Full & Default Power

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.75	32.80	32.77	**34.00**	23.75	23.80	23.77	25.00
GPRS 1 Tx slot		32.72	32.77	32.69	**34.00**	23.72	23.77	23.69	25.00
GPRS 2 Tx slots		29.83	29.70	29.68	**31.00**	23.83	23.70	23.68	25.00
GPRS 3 Tx slots		27.88	27.93	27.85	**29.20**	23.62	23.67	23.59	24.94
GPRS 4 Tx slots		27.15	26.68	26.70	**28.50**	24.15	23.68	23.70	25.50
EDGE(GMSK 1 Tx slot)		32.57	32.75	32.54	**34.00**	23.57	23.75	23.54	25.00
EDGE(GMSK 2 Tx slot)		29.68	29.55	29.63	**31.00**	23.68	23.55	23.63	25.00
EDGE(GMSK 3 Tx slot)		27.73	27.91	27.71	**29.20**	23.47	23.65	23.45	24.94
EDGE(GMSK 4 Tx slot)		27.05	26.66	26.55	**28.50**	24.05	23.66	23.55	25.50
EDGE 1 Tx slot		26.95	26.77	26.82	**28.00**	17.95	17.77	17.82	19.00
EDGE 2 Tx slots		23.85	23.79	23.70	**25.00**	17.85	17.79	17.70	19.00
EDGE 3 Tx slots		22.08	21.68	21.66	**23.50**	17.82	17.42	17.40	19.24
EDGE 4 Tx slots		21.00	20.66	20.69	**22.50**	18.00	17.66	17.69	19.50
DTM Multi-slot class 5	GSM 1 Tx slot	29.54	29.44	29.58	**31.00**	23.56	23.44	23.57	24.98
	GPRS 1 Tx slot	29.62	29.48	29.60	**31.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.55	29.41	29.50	**31.00**	23.55	23.43	23.49	24.98
	GPRS 1 Tx slot	29.59	29.49	29.53	**31.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.59	27.76	27.56	**29.20**	23.35	23.56	23.31	24.94
	GPRS 2 Tx slots	27.62	27.85	27.58	**29.20**				
DTM Multi-slot class 5	GSM 1 Tx slot	29.61	29.48	29.51	**31.00**	21.59	21.46	21.48	22.94
	EDGE 1 Tx slot	23.80	23.66	23.64	**25.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.60	29.46	29.54	**31.00**	21.57	21.44	21.49	22.94
	EDGE 1 Tx slot	23.72	23.66	23.57	**25.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.60	27.83	27.60	**29.20**	20.46	20.50	20.32	22.04
	EDGE 2 Tx slots	21.96	21.62	21.55	**23.50**				

GSM1900_Ant 5		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.66	30.60	30.77	**31.50**	21.66	21.60	21.77	22.50
GPRS 1 Tx slot		30.63	30.57	30.72	**31.50**	21.63	21.57	21.72	22.50
GPRS 2 Tx slots		27.00	26.97	26.92	**28.00**	21.00	20.97	20.92	22.00
GPRS 3 Tx slots		25.22	25.28	25.52	**26.50**	20.96	21.02	21.26	22.24
GPRS 4 Tx slots		24.20	24.30	24.55	**25.50**	21.20	21.30	21.55	22.50
EDGE(GMSK 1 Tx slot)		30.48	30.46	30.63	**31.50**	21.48	21.46	21.63	22.50
EDGE(GMSK 2 Tx slot)		26.99	26.87	26.86	**28.00**	20.99	20.87	20.86	22.00
EDGE(GMSK 3 Tx slot)		25.08	25.26	25.41	**26.50**	20.82	21.00	21.15	22.24
EDGE(GMSK 4 Tx slot)		24.06	24.15	24.53	**25.50**	21.06	21.15	21.53	22.50
EDGE 1 Tx slot		26.20	26.15	26.12	**27.00**	17.20	17.15	17.12	18.00
EDGE 2 Tx slots		23.10	23.22	23.18	**24.00**	17.10	17.22	17.18	18.00
EDGE 3 Tx slots		21.88	22.00	21.92	**22.80**	17.62	17.74	17.66	18.54
EDGE 4 Tx slots		21.65	21.70	21.64	**22.60**	18.65	18.70	18.64	19.60
DTM Multi-slot class 5	GSM 1 Tx slot	26.86	26.74	26.76	**28.00**	20.86	20.74	20.77	21.98
	GPRS 1 Tx slot	26.91	26.79	26.82	**28.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.87	26.72	26.76	**28.00**	20.85	20.74	20.75	21.98
	GPRS 1 Tx slot	26.88	26.81	26.79	**28.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	24.96	25.11	25.34	**26.50**	20.72	20.88	21.14	22.24
	GPRS 2 Tx slots	24.99	25.16	25.43	**26.50**				
DTM Multi-slot class 5	GSM 1 Tx slot	26.87	26.80	26.79	**28.00**	19.33	19.31	19.31	20.42
	EDGE 1 Tx slot	23.00	23.09	23.11	**24.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.88	26.78	26.80	**28.00**	19.35	19.30	19.30	20.42
	EDGE 1 Tx slot	23.04	23.12	23.07	**24.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	25.00	25.13	25.29	**26.50**	18.87	18.98	19.03	20.15
	EDGE 2 Tx slots	21.76	21.85	21.79	**22.80**				

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.26	23.29	23.21	**24.80**	24.17	24.22	24.14	**25.00**
3GPP Rel 99	RMC 12.2Kbps	23.32	23.35	23.30	**24.80**	24.22	24.30	24.20	**25.00**
3GPP Rel 6	HSDPA Subtest-1	22.44	22.51	22.45	**23.80**	23.48	23.54	23.44	**24.00**
3GPP Rel 6	HSDPA Subtest-2	22.49	22.53	22.47	**23.80**	23.51	23.56	23.47	**24.00**
3GPP Rel 6	HSDPA Subtest-3	21.94	22.02	21.96	**23.30**	23.02	23.06	22.96	**23.50**
3GPP Rel 6	HSDPA Subtest-4	21.95	21.99	21.95	**23.30**	22.97	23.05	22.94	**23.50**
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.36	22.37	**23.80**	23.43	23.44	23.38	**24.00**
3GPP Rel 8	DC-HSDPA Subtest-2	22.35	22.46	22.32	**23.80**	23.36	23.51	23.34	**24.00**
3GPP Rel 8	DC-HSDPA Subtest-3	21.85	21.95	21.86	**23.30**	22.92	22.99	22.86	**23.50**
3GPP Rel 8	DC-HSDPA Subtest-4	21.82	21.93	21.80	**23.30**	22.89	23.00	22.84	**23.50**
3GPP Rel 6	HSUPA Subtest-1	22.47	22.58	22.57	**23.80**	23.54	23.60	23.56	**24.00**
3GPP Rel 6	HSUPA Subtest-2	20.46	20.54	20.54	**21.80**	21.46	21.63	21.54	**22.00**
3GPP Rel 6	HSUPA Subtest-3	21.46	21.60	21.53	**22.80**	22.49	22.61	22.54	**23.00**
3GPP Rel 6	HSUPA Subtest-4	20.45	20.57	20.52	**21.80**	21.47	21.60	21.51	**22.00**
3GPP Rel 6	HSUPA Subtest-5	22.40	22.60	22.60	**23.80**	23.50	23.60	23.50	**24.00**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.34	20.45	20.44	**21.80**	21.41	21.52	21.36	**22.00**

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.22	24.27	24.20	**24.80**	24.24	24.25	24.22	**25.00**
3GPP Rel 99	RMC 12.2Kbps	24.25	24.32	24.28	**24.80**	24.30	24.34	24.28	**25.00**
3GPP Rel 6	HSDPA Subtest-1	23.51	23.55	23.48	**23.80**	23.56	23.54	23.55	**24.00**
3GPP Rel 6	HSDPA Subtest-2	23.54	23.58	23.51	**23.80**	23.55	23.55	23.58	**24.00**
3GPP Rel 6	HSDPA Subtest-3	23.04	23.02	22.98	**23.30**	23.02	23.08	23.04	**23.50**
3GPP Rel 6	HSDPA Subtest-4	23.05	23.05	22.95	**23.30**	23.03	23.01	23.09	**23.50**
3GPP Rel 8	DC-HSDPA Subtest-1	23.38	23.41	23.34	**23.80**	23.45	23.46	23.50	**24.00**
3GPP Rel 8	DC-HSDPA Subtest-2	23.42	23.47	23.43	**23.80**	23.49	23.50	23.46	**24.00**
3GPP Rel 8	DC-HSDPA Subtest-3	22.92	22.89	22.89	**23.30**	22.92	22.93	22.94	**23.50**
3GPP Rel 8	DC-HSDPA Subtest-4	22.99	22.97	22.88	**23.30**	22.91	22.89	22.96	**23.50**
3GPP Rel 6	HSUPA Subtest-1	23.45	23.54	23.52	**23.80**	23.55	23.59	23.61	**24.00**
3GPP Rel 6	HSUPA Subtest-2	21.45	21.53	21.50	**21.80**	21.54	21.60	21.59	**22.00**
3GPP Rel 6	HSUPA Subtest-3	22.47	22.45	22.53	**22.80**	22.53	22.59	22.65	**23.00**
3GPP Rel 6	HSUPA Subtest-4	21.50	21.55	21.48	**21.80**	21.55	21.54	21.63	**22.00**
3GPP Rel 6	HSUPA Subtest-5	23.50	23.50	23.50	**23.80**	23.50	23.60	23.60	**24.00**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.39	21.42	21.42	**21.80**	21.43	21.39	21.51	**22.00**

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.65	23.72	23.68	**24.80**	24.15	24.12	24.05	**24.80**
3GPP Rel 99	RMC 12.2Kbps	23.72	23.80	23.75	**24.80**	24.17	24.20	24.13	**24.80**
3GPP Rel 6	HSDPA Subtest-1	22.76	22.65	22.57	**23.80**	23.04	22.97	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-2	22.76	22.66	22.57	**23.80**	23.06	22.94	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-3	22.26	22.14	22.04	**23.30**	22.57	22.44	22.40	**23.30**
3GPP Rel 6	HSDPA Subtest-4	22.24	22.16	22.05	**23.30**	22.54	22.44	22.39	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-1	22.61	22.57	22.50	**23.80**	22.89	22.84	22.74	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-2	22.71	22.51	22.51	**23.80**	23.01	22.83	22.83	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-3	22.20	21.99	21.93	**23.30**	22.50	22.36	22.28	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-4	22.10	22.08	21.94	**23.30**	22.40	22.29	22.31	**23.30**
3GPP Rel 6	HSUPA Subtest-1	22.59	22.64	22.60	**23.80**	23.01	22.95	22.89	**23.80**
3GPP Rel 6	HSUPA Subtest-2	20.70	20.64	20.56	**21.80**	21.03	20.91	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-3	21.59	21.67	21.53	**22.80**	22.01	21.96	21.86	**22.80**
3GPP Rel 6	HSUPA Subtest-4	20.57	20.63	20.54	**21.80**	21.01	20.90	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-5	22.20	22.60	22.50	**23.80**	23.00	22.90	22.90	**23.80**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.46	20.58	20.39	**21.80**	20.96	20.79	20.76	**21.80**

Band 2_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.24	24.18	24.15	25
20	QPSK	1	49	24.30	24.35	24.25	
20	QPSK	1	99	24.18	24.07	24.12	
20	QPSK	50	0	23.90	23.90	23.23	
20	QPSK	50	24	23.38	23.40	23.33	24
20	QPSK	50	50	23.31	23.22	23.21	
20	QPSK	100	0	23.24	23.33	23.16	
20	16QAM	1	0	23.75	23.45	23.57	
20	16QAM	1	49	23.57	23.67	23.37	24
20	16QAM	1	99	23.50	23.48	23.44	
20	16QAM	50	0	23.28	23.22	23.23	
20	16QAM	50	24	22.39	22.20	22.31	23
20	16QAM	50	50	22.32	22.37	22.28	
20	16QAM	100	0	22.38	22.18	22.16	
20	64QAM	1	0	22.57	22.50	22.41	
20	64QAM	1	49	22.55	22.45	22.21	23
20	64QAM	1	99	22.22	22.28	22.52	
20	64QAM	50	0	21.28	21.24	21.19	
20	64QAM	50	24	21.45	21.34	21.26	22
20	64QAM	50	50	21.22	21.22	21.22	
20	64QAM	100	0	21.30	21.30	21.30	
20	256QAM	1	0	19.17	19.15	19.20	
20	256QAM	1	49	19.10	19.00	19.18	20
20	256QAM	1	99	19.05	19.06	19.14	
20	256QAM	50	0	19.06	19.09	19.08	
20	256QAM	50	24	18.14	19.11	19.16	20
20	256QAM	50	50	19.09	19.03	19.09	
20	256QAM	100	0	19.10	19.08	19.05	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.20	24.08	24.11	25
15	QPSK	1	37	24.26	24.27	24.10	
15	QPSK	1	74	24.05	23.96	24.00	
15	QPSK	36	0	23.18	23.17	23.19	
15	QPSK	36	20	23.23	23.29	23.21	24
15	QPSK	36	39	23.26	23.17	23.19	
15	QPSK	75	0	23.15	23.32	23.11	
15	16QAM	1	0	23.63	23.30	23.56	
15	16QAM	1	37	23.53	23.55	23.25	24
15	16QAM	1	74	23.44	23.46	23.42	
15	16QAM	36	0	22.14	22.15	22.21	
15	16QAM	36	20	22.37	22.11	22.28	23
15	16QAM	36	39	22.28	22.22	22.16	
15	16QAM	75	0	22.37	22.13	22.13	
15	64QAM	1	0	22.31	22.41	22.36	
15	64QAM	1	37	22.40	22.42	22.20	23
15	64QAM	1	74	22.13	22.24	22.41	
15	64QAM	36	0	21.15	21.10	21.06	
15	64QAM	36	20	21.36	21.26	21.25	22
15	64QAM	36	39	21.18	21.12	21.11	
15	64QAM	75	0	21.22	21.15	21.24	
15	256QAM	1	0	19.02	19.11	19.13	
15	256QAM	1	37	19.01	18.99	19.04	20
15	256QAM	1	74	18.95	18.97	19.07	
15	256QAM	36	0	19.03	18.94	18.94	
15	256QAM	36	20	19.09	18.98	19.06	20
15	256QAM	36	39	19.01	18.97	19.00	
15	256QAM	75	0	19.03	19.00	18.93	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.23	24.04	24.01	25
10	QPSK	1	25	24.19	24.24	24.15	
10	QPSK	1	49	24.12	24.00	24.02	
10	QPSK	25	0	23.15	23.06	23.22	
10	QPSK	25	12	23.33	23.39	23.31	24
10	QPSK	25	25	23.28	23.20	23.20	
10	QPSK	50	0	23.14	23.21	23.13	
10	16QAM	1	0	23.61	23.32	23.55	
10	16QAM	1	25	23.48	23.61	23.29	24
10	16QAM	1	49	23.35	23.47	23.38	
10	16QAM	25	0	22.21	22.10	22.12	
10	16QAM	25	12	22.32	22.15	22.24	23
10	16QAM	25	25	22.26	22.23	22.13	
10	16QAM	50	0	22.36	22.17	22.15	
10	64QAM	1	0	22.38	22.44	22.33	
10	64QAM	1	25	22.52	22.38	22.07	23
10	64QAM	1	49	22.21	22.14	22.45	
10	64QAM	25	0	21.13	21.22	21.14	
10	64QAM	25	12	21.33	21.21	21.15	22
10	64QAM	25	25	21.11	21.07	21.12	
10	64QAM	50	0	21.23	21.27	21.28	
10	256QAM	1	0	19.13	19.10	19.16	
10	256QAM	1	25	19.06	18.87	19.13	20
10	256QAM	1	49	19.04	19.00	18.99	
10	256QAM	25	0	19.03	18.99	19.00	
10	256QAM	25	12	19.03	18.96	19.02	20
10	256QAM	25	25	19.01	18.97	19.05	
10	256QAM	50	0	19.04	18.97	19.03	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.22	24.12	24.08	
5	QPSK	1	12	24.16	24.24	24.16	25
5	QPSK	1	24	24.09	24.03	24.08	
5	QPSK	12	0	23.29	23.17	23.08	
5	QPSK	12	7	23.25	23.28	23.27	24
5	QPSK	12	13	23.26	23.07	23.09	
5	QPSK	25	0	23.17	23.27	23.12	
5	16QAM	1	0	23.74	23.31	23.45	
5	16QAM	1	12	23.43	23.58	23.36	24
5	16QAM	1	24	23.49	23.31	23.29	
5	16QAM	12	0	22.20	22.16	22.10	
5	16QAM	12	7	22.32	22.17	22.20	23
5	16QAM	12	13	22.23	22.31	22.22	
5	16QAM	25	0	22.29	22.09	22.08	
5	64QAM	1	0	22.27	22.36	22.34	
5	64QAM	1	12	22.42	22.40	22.14	23
5	64QAM	1	24	22.18	22.26	22.44	
5	64QAM	12	0	21.26	21.18	21.08	
5	64QAM	12	7	21.41	21.19	21.24	22
5	64QAM	12	13	21.07	21.11	21.07	
5	64QAM	25	0	21.24	21.15	21.22	
5	256QAM	1	0	19.16	19.11	19.12	
5	256QAM	1	12	19.06	18.87	19.06	20
5	256QAM	1	24	18.99	19.04	19.04	
5	256QAM	12	0	18.91	19.02	19.06	
5	256QAM	12	7	19.05	19.08	19.01	20
5	256QAM	12	13	19.05	18.90	18.94	
5	256QAM	25	0	19.07	18.95	19.03	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	24.20	24.14	24.08	
3	QPSK	1	8	24.20	24.34	24.12	25
3	QPSK	1	14	24.08	24.04	24.07	
3	QPSK	8	0	23.25	23.13	23.09	
3	QPSK	8	4	23.37	23.32	23.29	24
3	QPSK	8	7	23.25	23.10	23.09	
3	QPSK	15	0	23.15	23.30	23.01	
3	16QAM	1	0	23.63	23.39	23.47	
3	16QAM	1	8	23.55	23.52	23.25	24
3	16QAM	1	14	23.42	23.41	23.34	
3	16QAM	8	0	22.20	22.15	22.13	
3	16QAM	8	4	22.29	22.09	22.26	23
3	16QAM	8	7	22.19	22.23	22.27	
3	16QAM	15	0	22.23	22.10	22.01	
3	64QAM	1	0	22.39	22.39	22.28	
3	64QAM	1	8	22.50	22.36	22.07	23
3	64QAM	1	14	22.09	22.15	22.45	
3	64QAM	8	0	21.25	21.10	21.13	
3	64QAM	8	4	21.44	21.29	21.22	22
3	64QAM	8	7	21.16	21.09	21.09	
3	64QAM	15	0	21.22	21.22	21.20	
3	256QAM	1	0	19.06	19.04	19.09	
3	256QAM	1	8	19.08	18.92	19.11	20
3	256QAM	1	14	18.91	18.96	19.08	
3	256QAM	8	0	18.91	19.08	18.99	
3	256QAM	8	4	19.00	19.05	19.08	20
3	256QAM	8	7	18.97	18.91	18.97	
3	256QAM	15	0	19.00	18.94	18.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.14	24.05	24.10	
1.4	QPSK	1	3	24.16	24.23	24.22	
1.4	QPSK	1	5	24.14	24.02	24.08	25
1.4	QPSK	3	0	24.09	24.05	24.01	
1.4	QPSK	3	1	24.28	24.25	24.21	
1.4	QPSK	3	3	24.05	24.00	24.02	
1.4	QPSK	6	0	23.17	23.24	23.08	24
1.4	16QAM	1	0	23.60	23.43	23.46	
1.4	16QAM	1	3	23.43	23.53	23.40	
1.4	16QAM	1	5	23.35	23.45	23.42	24
1.4	16QAM	3	0	23.58	23.41	23.42	
1.4	16QAM	3	1	23.36	23.46	23.30	
1.4	16QAM	3	3	23.24	23.41	23.35	
1.4	16QAM	6	0	22.14	22.14	22.11	23
1.4	64QAM	1	0	22.19	21.97	22.20	
1.4	64QAM	1	3	22.11	22.09	22.19	
1.4	64QAM	1	5	22.16	22.12	22.09	23
1.4	64QAM	3	0	22.23	22.00	22.15	
1.4	64QAM	3	1	22.09	22.22	22.16	
1.4	64QAM	3	3	22.11	21.97	21.87	
1.4	64QAM	6	0	21.23	21.19	21.28	22
1.4	256QAM	1	0	19.11	19.14	19.17	
1.4	256QAM	1	3	19.11	18.95	19.11	
1.4	256QAM	1	5	19.00	18.96	19.10	20
1.4	256QAM	3	0	18.98	18.99	19.03	
1.4	256QAM	3	1	19.07	19.02	19.11	
1.4	256QAM	3	3	18.98	18.89	19.08	
1.4	256QAM	6	0	19.07	19.05	18.99	20

Band 2_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)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.90	23.81	23.96	
20	QPSK	1	49	23.94	24.10	24.02	24.8
20	QPSK	1	99	23.79	23.75	23.76	
20	QPSK	50	0	23.05	22.98	22.97	
20	QPSK	50	24	23.08	23.10	23.05	23.8
20	QPSK	50	50	22.93	22.99	22.95	
20	QPSK	100	0	22.95	23.00	22.87	
20	16QAM	1	0	22.86	22.94	22.90	
20	16QAM	1	49	22.89	22.91	22.81	23.8
20	16QAM	1	99	22.86	22.92	22.88	
20	16QAM	50	0	21.94	21.98	22.00	
20	16QAM	50	24	21.99	22.03	21.92	22.8
20	16QAM	50	50	21.96	21.99	21.92	
20	16QAM	100	0	22.02	21.89	21.95	
20	64QAM	1	0	22.05	22.00	22.08	
20	64QAM	1	49	21.98	21.85	22.07	22.8
20	64QAM	1	99	21.92	21.89	22.01	
20	64QAM	50	0	20.95	21.02	20.99	
20	64QAM	50	24	21.04	20.96	20.91	21.8
20	64QAM	50	50	20.97	20.92	20.93	
20	64QAM	100	0	21.05	21.00	20.80	
20	256QAM	1	0	19.08	19.07	19.14	
20	256QAM	1	49	19.03	18.94	19.11	19.8
20	256QAM	1	99	18.91	18.99	19.08	
20	256QAM	50	0	18.95	18.96	18.93	
20	256QAM	50	24	19.12	19.05	19.04	19.8
20	256QAM	50	50	19.02	18.91	19.03	
20	256QAM	100	0	18.97	19.02	18.92	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.81	23.81	23.81	
15	QPSK	1	37	23.81	23.96	23.88	24.8
15	QPSK	1	74	23.67	23.71	23.74	
15	QPSK	36	0	22.96	22.95	22.96	
15	QPSK	36	20	23.02	23.03	22.99	23.8
15	QPSK	36	39	22.78	22.95	22.83	
15	QPSK	75	0	22.82	22.91	22.77	
15	16QAM	1	0	22.74	22.88	22.86	
15	16QAM	1	37	22.84	22.85	22.77	23.8
15	16QAM	1	74	22.80	22.91	22.81	
15	16QAM	36	0	21.87	21.87	21.85	
15	16QAM	36	20	21.92	21.87	21.77	22.8
15	16QAM	36	39	21.94	21.95	21.78	
15	16QAM	75	0	22.01	21.85	21.89	
15	64QAM	1	0	21.96	21.86	21.97	
15	64QAM	1	37	21.86	21.92	22.04	22.8
15	64QAM	1	74	21.87	21.78	21.98	
15	64QAM	36	0	20.82	20.95	20.87	
15	64QAM	36	20	20.89	20.89	20.86	21.8
15	64QAM	36	39	20.86	20.81	20.88	
15	64QAM	75	0	21.02	20.93	20.72	
15	256QAM	1	0	19.05	19.08	19.08	
15	256QAM	1	37	19.01	18.89	19.04	19.8
15	256QAM	1	74	18.91	18.97	19.03	
15	256QAM	36	0	19.04	18.97	19.04	
15	256QAM	36	20	19.05	19.03	19.04	19.8
15	256QAM	36	39	18.94	18.96	19.00	
15	256QAM	75	0	18.96	18.93	19.03	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.82	23.70	23.90	
10	QPSK	1	25	23.85	23.95	23.99	24.8
10	QPSK	1	49	23.77	23.72	23.61	
10	QPSK	25	0	23.00	22.97	22.86	
10	QPSK	25	12	23.02	22.97	22.95	23.8
10	QPSK	25	25	22.81	22.89	22.87	
10	QPSK	50	0	22.87	22.99	22.75	
10	16QAM	1	0	22.76	22.80	22.87	
10	16QAM	1	25	22.66	22.80	22.73	23.8
10	16QAM	1	49	22.78	22.80	22.85	
10	16QAM	25	0	21.90	21.79	21.89	
10	16QAM	25	12	21.84	22.00	21.77	22.8
10	16QAM	25	25	21.95	21.91	21.83	
10	16QAM	50	0	21.99	21.75	21.88	
10	64QAM	1	0	22.02	21.87	21.98	
10	64QAM	1	25	21.95	21.71	21.94	22.8
10	64QAM	1	49	21.80	21.87	21.91	
10	64QAM	25	0	20.90	20.97	20.96	
10	64QAM	25	12	20.99	20.93	20.81	21.8
10	64QAM	25	25	20.92	20.86	20.90	
10	64QAM	50	0	20.98	20.85	20.70	
10	256QAM	1	0	19.15	19.02	19.06	
10	256QAM	1	25	19.04	18.91	19.05	19.8
10	256QAM	1	49	18.94	18.96	19.06	
10	256QAM	25	0	19.03	18.98	19.01	
10	256QAM	25	12	19.10	19.08	19.05	19.8
10	256QAM	25	25	19.08	18.90	18.98	
10	256QAM	50	0	18.98	18.99	19.03	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.77	23.74	23.94	
5	QPSK	1	12	23.89	24.04	23.95	24.8
5	QPSK	1	24	23.77	23.73	23.71	
5	QPSK	12	0	22.96	22.89	22.94	
5	QPSK	12	7	23.06	23.09	22.97	23.8
5	QPSK	12	13	22.87	22.93	22.80	
5	QPSK	25	0	22.80	22.91	22.77	
5	16QAM	1	0	22.76	22.80	22.84	
5	16QAM	1	12	22.87	22.88	22.68	23.8
5	16QAM	1	24	22.82	22.87	22.83	
5	16QAM	12	0	21.79	21.85	21.95	
5	16QAM	12	7	21.96	21.91	21.90	22.8
5	16QAM	12	13	21.85	21.95	21.87	
5	16QAM	25	0	21.88	21.85	21.86	
5	64QAM	1	0	21.95	21.93	21.95	
5	64QAM	1	12	21.91	21.78	21.98	22.8
5	64QAM	1	24	21.88	21.78	21.99	
5	64QAM	12	0	20.93	20.88	20.84	
5	64QAM	12	7	20.98	20.87	20.77	21.8
5	64QAM	12	13	20.96	20.80	20.86	
5	64QAM	25	0	21.01	20.90	20.76	
5	256QAM	1	0	19.16	19.09	19.19	
5	256QAM	1	12	19.07	18.94	19.10	19.8
5	256QAM	1	24	18.95	18.98	19.00	
5	256QAM	12	0	19.05	18.93	18.93	
5	256QAM	12	7	19.04	19.04	19.02	19.8
5	256QAM	12	13	18.98	18.90	19.00	
5	256QAM	25	0	19.00	18.99	19.01	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.82	23.80	23.83	
3	QPSK	1	8	23.91	24.00	23.89	24.8
3	QPSK	1	14	23.70	23.72	23.71	
3	QPSK	8	0	23.03	22.89	22.92	
3	QPSK	8	4	23.07	23.09	22.94	23.8
3	QPSK	8	7	22.80	22.95	22.84	
3	QPSK	15	0	22.87	22.78	22.78	
3	16QAM	1	0	22.81	22.82	22.86	
3	16QAM	1	8	22.81	22.80	22.76	23.8
3	16QAM	1	14	22.74	22.85	22.84	
3	16QAM	8	0	21.84	21.75	21.97	
3	16QAM	8	4	21.88	21.94	21.86	22.8
3	16QAM	8	7	21.85	21.95	21.80	
3	16QAM	15	0	21.87	21.74	21.89	
3	64QAM	1	0	21.91	21.82	22.02	
3	64QAM	1	8	21.89	21.74	21.97	22.8
3	64QAM	1	14	21.86	21.76	21.94	
3	64QAM	8	0	20.90	20.93	20.90	
3	64QAM	8	4	20.93	20.85	20.79	21.8
3	64QAM	8	7	20.85	20.85	20.92	
3	64QAM	15	0	21.00	20.98	20.70	
3	256QAM	1	0	19.17	19.15	19.19	
3	256QAM	1	8	19.11	18.85	19.09	19.8
3	256QAM	1	14	18.92	18.92	19.11	
3	256QAM	8	0	18.96	19.05	18.93	
3	256QAM	8	4	18.99	19.01	19.15	19.8
3	256QAM	8	7	19.02	18.93	19.04	
3	256QAM	15	0	19.04	18.95	18.97	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.75	23.77	23.91	
1.4	QPSK	1	3	23.89	24.09	23.94	
1.4	QPSK	1	5	23.65	23.67	23.65	24.8
1.4	QPSK	3	0	23.77	23.82	23.81	
1.4	QPSK	3	1	23.87	24.05	23.90	
1.4	QPSK	3	3	23.65	23.64	23.70	
1.4	QPSK	6	0	22.80	22.97	22.73	23.8
1.4	16QAM	1	0	22.74	22.92	22.80	
1.4	16QAM	1	3	22.80	22.77	22.77	
1.4	16QAM	1	5	22.80	22.81	22.74	
1.4	16QAM	3	0	22.73	22.92	22.72	23.8
1.4	16QAM	3	1	22.62	22.79	22.77	
1.4	16QAM	3	3	22.78	22.71	22.71	
1.4	16QAM	6	0	21.88	21.86	21.90	22.8
1.4	64QAM	1	0	22.03	21.85	22.05	
1.4	64QAM	1	3	21.96	21.77	22.04	
1.4	64QAM	1	5	21.84	21.83	21.93	22.8
1.4	64QAM	3	0	21.83	21.76	21.81	
1.4	64QAM	3	1	21.92	21.77	21.93	
1.4	64QAM	3	3	21.92	21.64	21.93	
1.4	64QAM	6	0	20.98	20.91	20.76	21.8
1.4	256QAM	1	0	19.13	19.13	19.14	
1.4	256QAM	1	3	19.14	18.87	19.12	
1.4	256QAM	1	5	18.96	18.95	19.13	19.8
1.4	256QAM	3	0	19.05	19.06	19.01	
1.4	256QAM	3	1	18.99	18.97	19.02	
1.4	256QAM	3	3	19.07	18.93	19.07	
1.4	256QAM	6	0	19.02	19.00	19.01	19.8

Band 2_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.92	23.00	22.90	
20	QPSK	1	49	22.99	23.03	22.97	24
20	QPSK	1	99	22.91	22.98	22.87	
20	QPSK	50	0	22.40	22.50	22.41	
20	QPSK	50	24	22.51	22.55	22.48	23
20	QPSK	50	50	22.33	22.41	22.33	
20	QPSK	100	0	22.43	22.49	22.46	
20	16QAM	1	0	22.55	22.60	22.52	
20	16QAM	1	49	22.45	22.47	22.40	23
20	16QAM	1	99	22.42	22.50	22.39	
20	16QAM	50	0	21.44	21.45	21.34	
20	16QAM	50	24	21.33	21.42	21.36	22
20	16QAM	50	50	21.35	21.39	21.36	
20	16QAM	100	0	21.26	21.38	21.33	
20	64QAM	1	0	21.50	21.51	21.47	
20	64QAM	1	49	21.34	21.49	21.37	22
20	64QAM	1	99	21.34	21.42	21.41	
20	64QAM	50	0	20.33	20.35	20.33	
20	64QAM	50	24	20.24	20.29	20.14	21
20	64QAM	50	50	20.09	20.20	20.09	
20	64QAM	100	0	20.14	20.24	20.14	
20	256QAM	1	0	18.72	18.78	18.71	
20	256QAM	1	49	18.70	18.73	18.70	19
20	256QAM	1	99	18.58	18.69	18.61	
20	256QAM	50	0	18.31	18.35	18.25	
20	256QAM	50	24	18.24	18.34	18.20	19
20	256QAM	50	50	18.15	18.23	18.22	
20	256QAM	100	0	18.24	18.27	18.26	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.83	22.98	22.86	

Band 4_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.86	23.88	23.94	24.8
20	QPSK	1	49	23.91	23.98	23.95	
20	QPSK	1	99	23.69	23.90	23.72	
20	QPSK	50	0	22.93	23.01	23.08	
20	QPSK	50	24	23.05	23.10	23.09	23.8
20	QPSK	50	50	22.89	22.93	22.98	
20	QPSK	100	0	23.10	23.12	22.98	
20	16QAM	1	0	23.22	23.40	23.45	
20	16QAM	1	49	23.27	23.25	23.37	23.8
20	16QAM	1	99	23.59	23.39	23.27	
20	16QAM	50	0	22.02	22.07	22.02	
20	16QAM	50	24	21.96	22.16	22.10	22.8
20	16QAM	50	50	22.02	22.05	22.05	
20	16QAM	100	0	22.01	22.06	21.95	
20	64QAM	1	0	22.04	22.11	22.18	
20	64QAM	1	49	22.10	22.01	22.06	22.8
20	64QAM	1	99	22.00	21.88	22.02	
20	64QAM	50	0	20.97	21.14	20.99	
20	64QAM	50	24	21.08	21.04	20.98	21.8
20	64QAM	50	50	20.88	21.00	21.09	
20	64QAM	100	0	21.06	21.01	21.05	
20	256QAM	1	0	18.92	18.84	18.96	
20	256QAM	1	49	18.91	18.94	18.87	19.8
20	256QAM	1	99	18.93	18.92	18.89	
20	256QAM	50	0	18.81	18.83	18.85	
20	256QAM	50	24	18.84	18.81	18.93	19.8
20	256QAM	50	50	18.95	18.88	18.99	
20	256QAM	100	0	18.95	18.84	18.86	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.82	23.87	23.93	24.8
15	QPSK	1	37	23.78	23.85	23.94	
15	QPSK	1	74	23.63	23.77	23.64	
15	QPSK	36	0	22.79	23.00	22.93	
15	QPSK	36	20	22.91	23.07	23.04	23.8
15	QPSK	36	39	22.85	22.80	22.83	
15	QPSK	75	0	23.01	23.10	22.93	
15	16QAM	1	0	23.15	23.27	23.43	
15	16QAM	1	37	23.13	23.18	23.25	23.8
15	16QAM	1	74	23.46	23.28	23.19	
15	16QAM	36	0	21.93	22.05	21.84	
15	16QAM	36	20	21.91	22.02	22.01	22.8
15	16QAM	36	39	21.88	22.01	22.00	
15	16QAM	75	0	21.98	21.96	21.81	
15	64QAM	1	0	21.96	22.07	22.10	
15	64QAM	1	37	21.88	21.98	22.05	22.8
15	64QAM	1	74	21.85	21.81	21.91	
15	64QAM	36	0	20.90	21.01	20.93	
15	64QAM	36	20	20.98	20.99	20.96	21.8
15	64QAM	36	39	20.79	20.97	20.96	
15	64QAM	75	0	20.98	20.97	21.04	
15	256QAM	1	0	18.88	18.79	18.95	
15	256QAM	1	37	18.84	18.86	18.77	19.8
15	256QAM	1	74	18.80	18.81	18.83	
15	256QAM	36	0	18.71	18.81	18.77	
15	256QAM	36	20	18.78	18.86	18.90	19.8
15	256QAM	36	39	18.83	18.82	18.84	
15	256QAM	75	0	18.83	18.70	18.82	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.81	23.78	23.82	24.8
10	QPSK	1	25	23.77	23.88	23.93	
10	QPSK	1	49	23.55	23.81	23.68	
10	QPSK	25	0	22.80	22.99	23.06	
10	QPSK	25	12	22.93	23.04	23.02	23.8
10	QPSK	25	25	22.77	22.79	22.94	
10	QPSK	50	0	22.99	23.09	22.89	
10	16QAM	1	0	23.13	23.30	23.37	
10	16QAM	1	25	23.23	23.13	23.33	23.8
10	16QAM	1	49	23.49	23.24	23.17	
10	16QAM	25	0	21.98	22.05	21.83	
10	16QAM	25	12	21.85	22.08	22.04	22.8
10	16QAM	25	25	21.91	21.93	21.90	
10	16QAM	50	0	21.87	21.95	21.84	
10	64QAM	1	0	22.00	22.05	22.03	
10	64QAM	1	25	22.02	21.88	21.94	22.8
10	64QAM	1	49	21.97	21.76	21.98	
10	64QAM	25	0	20.87	21.02	20.88	
10	64QAM	25	12	20.95	20.96	20.97	21.8
10	64QAM	25	25	20.83	20.85	21.03	
10	64QAM	50	0	20.92	20.94	20.99	
10	256QAM	1	0	18.89	18.69	18.82	
10	256QAM	1	25	18.88	18.91	18.80	19.8
10	256QAM	1	49	18.86	18.89	18.78	
10	256QAM	25	0	18.70	18.69	18.73	
10	256QAM	25	12	18.73	18.79	18.88	19.8
10	256QAM	25	25	18.80	18.85	18.92	
10	256QAM	50	0	18.94	18.81	18.73	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.79	23.84	23.93	24.8
5	QPSK	1	12	23.77	23.91	23.93	
5	QPSK	1	24	23.65	23.75	23.86	
5	QPSK	12	0	22.89	22.93	22.95	
5	QPSK	12	7	22.92	22.98	22.94	23.8
5	QPSK	12	13	22.74	22.79	22.86	
5	QPSK	25	0	23.01	23.02	22.88	
5	16QAM	1	0	23.17	23.38	23.32	
5	16QAM	1	12	23.18	23.22	23.23	23.8
5	16QAM	1	24	23.52	23.27	23.26	
5	16QAM	12	0	21.97	22.06	21.77	
5	16QAM	12	7	21.81	22.03	22.01	22.8
5	16QAM	12	13	21.99	22.03	21.94	
5	16QAM	25	0	21.96	21.95	21.91	
5	64QAM	1	0	22.02	22.01	22.11	
5	64QAM	1	12	22.02	21.92	21.94	22.8
5	64QAM	1	24	21.91	21.80	21.88	
5	64QAM	12	0	20.93	21.01	20.98	
5	64QAM	12	7	20.94	20.94	20.84	21.8
5	64QAM	12	13	20.86	20.96	21.06	
5	64QAM	25	0	20.92	20.97	20.96	
5	256QAM	1	0	18.78	18.78	18.84	
5	256QAM	1	12	18.86	18.87	18.78	19.8
5	256QAM	1	24	18.79	18.77	18.85	
5	256QAM	12	0	18.69	18.68	18.73	
5	256QAM	12	7	18.74	18.88	18.85	19.8
5	256QAM	12	13	18.92	18.87	18.94	
5	256QAM	25	0	18.86	18.77	18.73	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.83	23.78	23.91	24.8
3	QPSK	1	8	23.78	23.90	23.92	
3	QPSK	1	14	23.64	23.86	23.58	
3	QPSK	8	0	22.81	22.92	22.95	
3	QPSK	8	4	22.96	23.02	23.05	23.8
3	QPSK	8	7	22.86	22.84	22.83	
3	QPSK	15	0	23.02	23.05	22.94	
3	16QAM	1	0	23.10	23.25	23.31	
3	16QAM	1	8	23.14	23.13	23.36	23.8
3	16QAM	1	14	23.45	23.31	23.16	
3	16QAM	8	0	21.95	21.92	21.91	
3	16QAM	8	4	21.86	22.05	22.00	22.8
3	16QAM	8	7	21.90	21.95	21.94	
3	16QAM	15	0	21.91	22.04	21.86	
3	64QAM	1	0	21.91	22.05	22.12	
3	64QAM	1	8	22.09	21.95	22.00	22.8
3	64QAM	1	14	21.98	21.87	21.96	
3	64QAM	8	0	20.93	21.04	20.87	
3	64QAM	8	4	21.03	20.89	20.94	21.8
3	64QAM	8	7	20.73	20.90	20.94	
3	64QAM	15	0	21.04	21.00	20.98	
3	256QAM	1	0	18.90	18.83	18.94	
3	256QAM	1	8	18.83	18.86	18.72	19.8
3	256QAM	1	14	18.86	18.87	18.79	
3	256QAM	8	0	18.79	18.80	18.79	
3	256QAM	8	4	18.74	18.80	18.80	19.8
3	256QAM	8	7	18.90	18.77	18.96	
3	256QAM	15	0	18.80	18.72	18.81	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.82	23.78	23.83	24.8
1.4	QPSK	1	3	23.86	23.92	23.81	
1.4	QPSK	1	5	23.68	23.86	23.65	
1.4	QPSK	3	0	23.82	23.95	23.82	
1.4	QPSK	3	1	23.86	23.95	23.81	
1.4	QPSK	3	3	23.70	23.78	23.67	
1.4	QPSK	6	0	23.07	23.07	22.94	23.8
1.4	16QAM	1	0	23.15	23.26	23.41	
1.4	16QAM	1	3	23.21	23.20	23.27	
1.4	16QAM	1	5	23.35	23.31	23.30	23.8
1.4	16QAM	3	0	23.12	23.24	23.40	
1.4	16QAM	3	1	23.16	23.19	23.25	
1.4	16QAM	3	3	23.42	23.30	23.20	
1.4	16QAM	6	0	21.99	21.99	21.89	22.8
1.4	64QAM	1	0	21.94	21.99	22.14	
1.4	64QAM	1	3	22.05	22.00	21.93	
1.4	64QAM	1	5	21.87	21.83	21.90	22.8
1.4	64QAM	3	0	21.79	21.85	22.04	
1.4	64QAM	3	1	21.97	21.95	21.85	
1.4	64QAM	3	3	21.76	21.81	21.85	
1.4	64QAM	6	0	21.00	20.88	20.90	21.8
1.4	256QAM	1	0	18.77	18.77	18.93	
1.4	256QAM	1	3	18.88	18.84	18.77	
1.4	256QAM	1	5	18.91	18.80	18.86	19.8
1.4	256QAM	3	0	18.73	18.82	18.74	
1.4	256QAM	3	1	18.77	18.85	18.82	
1.4	256QAM	3	3	18.82	18.73	18.98	
1.4	256QAM	6	0	18.81	18.72	18.77	19.8

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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)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.77	23.81	23.89	24.8
20	QPSK	1	49	23.88	23.95	23.94	
20	QPSK	1	99	23.69	23.76	23.92	
20	QPSK	50	0	22.86	22.94	22.94	
20	QPSK	50	24	22.98	23.00	22.95	23.8
20	QPSK	50	50	22.92	22.84	22.90	
20	QPSK	100	0	22.88	22.96	22.83	
20	16QAM	1	0	23.07	23.00	23.10	
20	16QAM	1	49	23.06	23.18	23.08	23.8
20	16QAM	1	99	22.83	23.02	23.06	
20	16QAM	50	0	21.86	21.83	21.85	
20	16QAM	50	24	21.96	21.89	21.91	22.8
20	16QAM	50	50	21.85	21.94	21.91	
20	16QAM	100	0	21.88	21.91	21.90	
20	64QAM	1	0	21.95	21.98	22.02	
20	64QAM	1	49	21.90	22.14	22.04	22.8
20	64QAM	1	99	22.00	21.82	22.00	
20	64QAM	50	0	20.93	20.92	20.80	
20	64QAM	50	24	20.99	20.94	20.86	21.8
20	64QAM	50	50	20.90	20.93	20.95	
20	64QAM	100	0	20.93	20.95	20.96	
20	256QAM	1	0	18.82	18.87	18.98	
20	256QAM	1	49	18.91	18.92	18.87	19.8
20	256QAM	1	99	18.81	18.94	18.87	
20	256QAM	50	0	18.86	18.87	18.85	
20	256QAM	50	24	18.84	18.88	18.95	19.8
20	256QAM	50	50	18.94	18.90	18.93	
20	256QAM	100	0	18.95	18.97	18.99	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.67	23.72	23.77	24.8
15	QPSK	1	37	23.75	23.92	23.86	
15	QPSK	1	74	23.61	23.61	23.87	
15	QPSK	36	0	22.77	22.70	22.90	
15	QPSK	36	20	22.84	22.82	22.82	23.8
15	QPSK	36	39	22.79	22.80	22.85	
15	QPSK	75	0	22.75	22.82	22.74	
15	16QAM	1	0	22.94	22.85	23.05	
15	16QAM	1	37	22.96	23.01	23.09	23.8
15	16QAM	1	74	22.74	22.87	22.99	
15	16QAM	36	0	21.71	21.79	21.74	
15	16QAM	36	20	21.95	21.81	21.76	22.8
15	16QAM	36	39	21.72	21.83	21.80	
15	16QAM	75	0	21.87	21.89	21.81	
15	64QAM	1	0	21.92	21.84	21.99	
15	64QAM	1	37	21.78	21.92	22.02	22.8
15	64QAM	1	74	21.84	21.78	21.85	
15	64QAM	36	0	20.90	20.80	20.67	
15	64QAM	36	20	20.98	20.86	20.74	21.8
15	64QAM	36	39	20.86	20.82	20.90	
15	64QAM	75	0	20.83	20.87	20.81	
15	256QAM	1	0	18.80	18.78	18.89	
15	256QAM	1	37	18.86	18.91	18.72	19.8
15	256QAM	1	74	18.66	18.87	18.72	
15	256QAM	36	0	18.83	18.82	18.78	
15	256QAM	36	20	18.80	18.83	18.93	19.8
15	256QAM	36	39	18.83	18.89	18.79	
15	256QAM	75	0	18.93	18.90	18.84	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.75	23.72	23.80	24.8
10	QPSK	1	25	23.86	23.93	23.88	
10	QPSK	1	49	23.56	23.65	23.81	
10	QPSK	25	0	22.83	22.81	22.82	
10	QPSK	25	12	22.96	22.92	22.82	23.8
10	QPSK	25	25	22.82	22.79	22.85	
10	QPSK	50	0	22.87	22.83	22.76	
10	16QAM	1	0	22.96	22.90	22.99	
10	16QAM	1	25	22.91	23.14	22.93	23.8
10	16QAM	1	49	22.79	22.95	22.95	
10	16QAM	25	0	21.84	21.68	21.77	
10	16QAM	25	12	21.94	21.85	21.90	22.8
10	16QAM	25	25	21.70	21.83	21.78	
10	16QAM	50	0	21.79	21.86	21.81	
10	64QAM	1	0	21.83	21.88	21.89	
10	64QAM	1	25	21.75	22.08	21.90	22.8
10	64QAM	1	49	21.87	21.81	21.89	
10	64QAM	25	0	20.82	20.89	20.77	
10	64QAM	25	12	20.98	20.80	20.77	21.8
10	64QAM	25	25	20.86	20.80	20.83	
10	64QAM	50	0	20.81	20.80	20.81	
10	256QAM	1	0	18.68	18.86	18.89	
10	256QAM	1	25	18.89	18.90	18.83	19.8
10	256QAM	1	49	18.73	18.81	18.81	
10	256QAM	25	0	18.78	18.74	18.82	
10	256QAM	25	12	18.84	18.81	18.81	19.8
10	256QAM	25	25	18.92	18.76	18.90	
10	256QAM	50	0	18.91	18.81	18.84	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.62	23.66	23.74	24.8
5	QPSK	1	12	23.84	23.84	23.84	
5	QPSK	1	24	23.64	23.63	23.77	
5	QPSK	12	0	22.75	22.77	22.89	
5	QPSK	12	7	22.92	22.86	22.85	23.8
5	QPSK	12	13	22.83	22.76	22.87	
5	QPSK	25	0	22.81	22.86	22.74	
5	16QAM	1	0	22.96	22.99	23.04	
5	16QAM	1	12	23.05	23.11	23.01	23.8
5	16QAM	1	24	22.82	22.87	22.97	
5	16QAM	12	0	21.83	21.77	21.81	
5	16QAM	12	7	21.95	21.85	21.77	22.8
5	16QAM	12	13	21.73	21.82	21.88	
5	16QAM	25	0	21.74	21.79	21.80	
5	64QAM	1	0	21.85	21.96	22.01	
5	64QAM	1	12	21.83	22.09	21.89	22.8
5	64QAM	1	24	21.87	21.73	21.87	
5	64QAM	12	0	20.87	20.80	20.73	
5	64QAM	12	7	20.89	20.88	20.83	21.8
5	64QAM	12	13	20.83	20.86	20.88	
5	64QAM	25	0	20.78	20.82	20.88	
5	256QAM	1	0	18.80	18.85	18.95	
5	256QAM	1	12	18.77	18.84	18.83	19.8
5	256QAM	1	24	18.73	18.81	18.84	
5	256QAM	12	0	18.76	18.77	18.70	
5	256QAM	12	7	18.92	18.80	18.91	19.8
5	256QAM	12	13	18.87	18.83	18.80	
5	256QAM	25	0	18.81	18.90	18.87	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.63	23.69	23.85	24.8
3	QPSK	1	8	23.85	23.94	23.87	
3	QPSK	1	14	23.62	23.70	23.77	
3	QPSK	8	0	22.80	22.92	22.85	
3	QPSK	8	4	22.88	22.86	22.94	23.8
3	QPSK	8	7	22.80	22.80	22.85	
3	QPSK	15	0	22.86	22.85	22.77	
3	16QAM	1	0	23.06	22.95	23.06	
3	16QAM	1	8	22.95	23.08	22.94	23.8
3	16QAM	1	14	22.78	22.93	22.98	
3	16QAM	8	0	21.79	21.73	21.80	
3	16QAM	8	4	21.88	21.82	21.77	22.8
3	16QAM	8	7	21.71	21.83	21.87	
3	16QAM	15	0	21.84	21.89	21.87	
3	64QAM	1	0	21.92	21.83	21.93	
3	64QAM	1	8	21.88	22.02	21.94	22.8
3	64QAM	1	14	21.94	21.70	21.96	
3	64QAM	8	0	20.91	20.90	20.67	
3	64QAM	8	4	20.87	20.87	20.80	21.8
3	64QAM	8	7	20.88	20.79	20.82	
3	64QAM	15	0	20.91	20.87	20.93	
3	256QAM	1	0	18.83	18.96	18.96	
3	256QAM	1	8	18.89	18.86	18.71	19.8
3	256QAM	1	14	18.72	18.80	18.77	
3	256QAM	8	0	18.85	18.83	18.79	
3	256QAM	8	4	18.81	18.93	18.84	19.8
3	256QAM	8	7	18.88	18.77	18.80	
3	256QAM	15	0	18.85	18.89	18.92	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.69	23.75	23.82	24.8
1.4	QPSK	1	3	23.76	23.84	23.82	
1.4	QPSK	1	5	23.65	23.70	23.86	
1.4	QPSK	3	0	23.76	23.86	23.78	
1.4	QPSK	3	1	23.84	23.84	23.84	
1.4	QPSK	3	3	23.68	23.68	23.87	
1.4	QPSK	6	0	22.75	22.85	22.68	23.8
1.4	16QAM	1	0	22.97	22.93	22.95	
1.4	16QAM	1	3	23.05	23.15	23.04	
1.4	16QAM	1	5	22.80	22.88	23.01	23.8
1.4	16QAM	3	0	22.91	22.90	22.82	
1.4	16QAM	3	1	22.97	23.06	23.03	
1.4	16QAM	3	3	22.88	22.85	22.87	
1.4	16QAM	6	0	21.82	21.84	21.79	22.8
1.4	64QAM	1	0	21.74	21.71	21.76	
1.4	64QAM	1	3	21.87	21.92	21.91	
1.4	64QAM	1	5	21.72	21.78	21.67	22.8
1.4	64QAM	3	0	21.85	21.83	21.99	
1.4	64QAM	3	1	21.70	21.82	21.78	
1.4	64QAM	3	3	21.77	21.84	21.99	
1.4	64QAM	6	0	20.85	20.88	20.89	21.8
1.4	256QAM	1	0	18.77	18.86	18.96	
1.4	256QAM	1	3	18.89	18.88	18.72	
1.4	256QAM	1	5	18.68	18.81	18.78	19.8
1.4	256QAM	3	0	18.80	18.80	18.74	
1.4	256QAM	3	1	18.79	18.88	18.87	
1.4	256QAM	3	3	18.92	18.87	18.88	
1.4	256QAM	6	0	18.83	18.95	18.88	19.8

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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)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.18	23.33	23.26	23.8
20	QPSK	1	49	23.34	23.37	23.36	
20	QPSK	1	99	23.16	23.28	23.23	
20	QPSK	50	0	22.56	22.57	22.52	
20	QPSK	50	24	22.57	22.60	22.55	22.8
20	QPSK	50	50	22.48	22.55	22.52	
20	QPSK	100	0	22.45	22.55	22.53	
20	16QAM	1	0	22.55	22.55	22.60	
20	16QAM	1	49	22.46	22.56	22.46	22.8
20	16QAM	1	99	22.41	22.51	22.45	
20	16QAM	50	0	21.36	21.47	21.46	
20	16QAM	50	24	21.35	21.40	21.31	21.8
20	16QAM	50	50	21.37	21.39	21.30	
20	16QAM	100	0	21.28	21.43	21.35	
20	64QAM	1	0	21.23	21.35	21.25	
20	64QAM	1	49	21.17	21.32	21.29	21.8
20	64QAM	1	99	21.35	21.46	21.32	
20	64QAM	50	0	20.22	20.36	20.32	
20	64QAM	50	24	20.25	20.29	20.22	20.8
20	64QAM	50	50	20.26	20.33	20.26	
20	64QAM	100	0	20.24	20.38	20.34	
20	256QAM	1	0	18.46	18.60	18.58	
20	256QAM	1	49	18.45	18.54	18.43	18.8
20	256QAM	1	99	18.44	18.53	18.43	
20	256QAM	50	0	18.25	18.40	18.30	
20	256QAM	50	24	18.24	18.27	18.35	18.8
20	256QAM	50	50	18.13	18.26	18.19	
20	256QAM

Band 5_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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.45	23.61	23.51	25
10	QPSK	1	25	23.68	23.70	23.65	
10	QPSK	1	49	23.63	23.57	23.49	
10	QPSK	25	0	22.84	22.91	22.87	24
10	QPSK	25	12	22.98	23.00	22.95	
10	QPSK	25	25	22.92	22.78	22.71	
10	QPSK	50	0	22.93	22.94	22.78	
10	16QAM	1	0	23.13	23.08	23.13	24
10	16QAM	1	25	23.20	23.07	23.02	
10	16QAM	1	49	23.23	23.12	23.00	
10	16QAM	25	0	22.01	21.93	21.85	23
10	16QAM	25	12	22.05	21.99	21.90	
10	16QAM	25	25	21.98	21.79	21.82	
10	16QAM	50	0	21.97	21.78	21.92	
10	64QAM	1	0	22.10	22.16	22.15	23
10	64QAM	1	25	21.98	22.02	22.12	
10	64QAM	1	49	22.26	22.12	21.89	
10	64QAM	25	0	20.97	20.90	20.83	22
10	64QAM	25	12	21.05	20.98	20.90	
10	64QAM	25	25	20.93	20.87	20.82	
10	64QAM	50	0	20.85	20.87	20.84	
10	256QAM	1	0	18.75	18.67	18.72	20
10	256QAM	1	25	18.72	18.69	18.79	
10	256QAM	1	49	18.68	18.74	18.79	
10	256QAM	25	0	18.68	18.74	18.71	20
10	256QAM	25	12	18.74	18.68	18.68	
10	256QAM	25	25	18.74	18.75	18.77	
10	256QAM	50	0	18.62	18.74	18.74	
Channel				25	4245	8515	Tune-up limit (dBm)
Frequency (MHz)				851.5	424.5	2.5	
5	QPSK	1	0	23.39	23.59	23.49	25
5	QPSK	1	12	23.60	23.67	23.52	
5	QPSK	1	24	23.51	23.54	23.48	
5	QPSK	12	0	22.72	22.84	22.85	24
5	QPSK	12	7	22.93	22.91	22.84	
5	QPSK	12	13	22.79	22.77	22.65	
5	QPSK	25	0	22.80	22.82	22.67	
5	16QAM	1	0	23.07	23.02	22.98	24
5	16QAM	1	12	23.17	22.92	22.95	
5	16QAM	1	24	23.11	23.09	22.96	
5	16QAM	12	0	21.95	21.79	21.70	23
5	16QAM	12	7	21.98	21.91	21.77	
5	16QAM	12	13	21.84	21.71	21.77	
5	16QAM	25	0	21.82	21.73	21.91	
5	64QAM	1	0	21.96	22.12	22.04	23
5	64QAM	1	12	21.97	21.92	22.03	
5	64QAM	1	24	22.12	22.07	21.76	
5	64QAM	12	0	20.91	20.75	20.68	22
5	64QAM	12	7	20.98	20.85	20.82	
5	64QAM	12	13	20.91	20.86	20.75	
5	64QAM	25	0	20.72	20.76	20.82	
5	256QAM	1	0	18.72	18.59	18.62	20
5	256QAM	1	12	18.68	18.58	18.65	
5	256QAM	1	24	18.65	18.60	18.70	
5	256QAM	12	0	18.65	18.70	18.66	20
5	256QAM	12	7	18.69	18.53	18.54	
5	256QAM	12	13	18.73	18.69	18.65	
5	256QAM	25	0	18.49	18.60	18.68	
Channel				15	4245	8505	Tune-up limit (dBm)
Frequency (MHz)				850.5	424.5	1.5	
3	QPSK	1	0	23.44	23.47	23.48	25
3	QPSK	1	8	23.60	23.62	23.61	
3	QPSK	1	14	23.48	23.50	23.45	
3	QPSK	8	0	22.76	22.77	22.76	24
3	QPSK	8	4	22.96	22.94	22.91	
3	QPSK	8	7	22.78	22.63	22.69	
3	QPSK	15	0	22.85	22.83	22.69	
3	16QAM	1	0	23.10	23.06	23.11	24
3	16QAM	1	8	23.14	23.03	22.90	
3	16QAM	1	14	23.10	22.99	22.90	
3	16QAM	8	0	22.00	21.91	21.82	23
3	16QAM	8	4	21.95	21.95	21.75	
3	16QAM	8	7	21.95	21.68	21.79	
3	16QAM	15	0	21.91	21.77	21.87	
3	64QAM	1	0	22.01	22.12	22.04	23
3	64QAM	1	8	21.87	21.95	22.01	
3	64QAM	1	14	22.20	21.99	21.88	
3	64QAM	8	0	20.90	20.85	20.77	22
3	64QAM	8	4	20.91	20.94	20.83	
3	64QAM	8	7	20.83	20.83	20.73	
3	64QAM	15	0	20.76	20.86	20.83	
3	256QAM	1	0	18.61	18.65	18.66	20
3	256QAM	1	8	18.71	18.62	18.75	
3	256QAM	1	14	18.63	18.61	18.74	
3	256QAM	8	0	18.53	18.72	18.60	20
3	256QAM	8	4	18.73	18.53	18.64	
3	256QAM	8	7	18.71	18.69	18.75	
3	256QAM	15	0	18.59	18.64	18.63	
Channel				7	4245	8497	Tune-up limit (dBm)
Frequency (MHz)				849.7	424.5	0.7	
1.4	QPSK	1	0	23.48	23.56	23.50	25
1.4	QPSK	1	3	23.56	23.60	23.62	
1.4	QPSK	1	5	23.58	23.58	23.45	
1.4	QPSK	3	0	23.43	23.42	23.45	
1.4	QPSK	3	1	23.45	23.56	23.56	
1.4	QPSK	3	3	23.44	23.54	23.41	
1.4	QPSK	6	0	22.81	22.85	22.77	24
1.4	16QAM	1	0	22.98	22.99	22.98	24
1.4	16QAM	1	3	23.07	23.00	22.99	
1.4	16QAM	1	5	23.04	23.04	22.94	
1.4	16QAM	3	0	22.84	22.86	22.96	
1.4	16QAM	3	1	23.05	22.94	22.90	
1.4	16QAM	3	3	23.08	23.03	22.89	
1.4	16QAM	6	0	21.82	21.69	21.76	23
1.4	64QAM	1	0	22.05	22.10	22.02	23
1.4	64QAM	1	3	21.89	21.95	22.05	
1.4	64QAM	1	5	22.12	22.01	21.82	
1.4	64QAM	3	0	21.97	22.08	21.96	
1.4	64QAM	3	1	21.87	21.81	22.00	
1.4	64QAM	3	3	22.11	21.87	21.78	
1.4	64QAM	6	0	20.80	20.83	20.80	22
1.4	256QAM	1	0	18.64	18.61	18.70	20
1.4	256QAM	1	3	18.67	18.57	18.72	
1.4	256QAM	1	5	18.66	18.63	18.67	
1.4	256QAM	3	0	18.56	18.59	18.63	
1.4	256QAM	3	1	18.60	18.61	18.61	
1.4	256QAM	3	3	18.61	18.60	18.63	
1.4	256QAM	6	0	18.50	18.70	18.63	20

Band 5_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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.65	23.69	23.59	24.8
10	QPSK	1	25	23.71	23.75	23.67	
10	QPSK	1	49	23.43	23.46	23.37	
10	QPSK	25	0	22.67	22.65	22.58	23.8
10	QPSK	25	12	22.68	22.70	22.65	
10	QPSK	25	25	22.63	22.66	22.43	
10	QPSK	50	0	22.64	22.65	22.48	
10	16QAM	1	0	22.80	22.58	22.66	23.8
10	16QAM	1	25	22.65	22.59	22.70	
10	16QAM	1	49	22.56	22.55	22.58	22.8
10	16QAM	25	0	21.66	21.61	21.61	
10	16QAM	25	12	21.78	21.66	21.66	
10	16QAM	25	25	21.78	21.63	21.44	
10	16QAM	50	0	21.67	21.61	21.69	
10	64QAM	1	0	21.75	21.72	21.66	22.8
10	64QAM	1	25	21.63	21.69	21.56	
10	64QAM	1	49	21.73	21.61	21.57	
10	64QAM	25	0	20.56	20.66	20.75	21.8
10	64QAM	25	12	20.76	20.55	20.66	
10	64QAM	25	25	20.65	20.65	20.57	
10	64QAM	50	0	20.70	20.55	20.50	
10	256QAM	1	0	18.50	18.62	18.54	19.8
10	256QAM	1	25	18.55	18.58	18.61	
10	256QAM	1	49	18.49	18.53	18.54	
10	256QAM	25	0	18.49	18.59	18.55	19.8
10	256QAM	25	12	18.58	18.60	18.61	
10	256QAM	25	25	18.57	18.51	18.56	
10	256QAM	50	0	18.46	18.55	18.58	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.53	23.58	23.54	24.8
5	QPSK	1	12	23.69	23.72	23.57	
5	QPSK	1	24	23.30	23.43	23.23	
5	QPSK	12	0	22.58	22.54	22.51	23.8
5	QPSK	12	7	22.57	22.59	22.60	
5	QPSK	12	13	22.58	22.60	22.29	
5	QPSK	25	0	22.49	22.52	22.45	
5	16QAM	1	0	22.53	22.53	22.59	23.8
5	16QAM	1	12	22.60	22.55	22.57	
5	16QAM	1	24	22.51	22.50	22.55	
5	16QAM	12	0	21.59	21.59	21.49	22.8
5	16QAM	12	7	21.63	21.63	21.58	
5	16QAM	12	13	21.68	21.52	21.31	
5	16QAM	25	0	21.65	21.55	21.64	
5	64QAM	1	0	21.69	21.71	21.58	22.8
5	64QAM	1	12	21.50	21.66	21.55	
5	64QAM	1	24	21.68	21.52	21.56	
5	64QAM	12	0	20.41	20.61	20.66	21.8
5	64QAM	12	7	20.67	20.44	20.55	
5	64QAM	12	13	20.64	20.50	20.50	
5	64QAM	25	0	20.69	20.48	20.49	
5	256QAM	1	0	18.44	18.48	18.50	19.8
5	256QAM	1	12	18.40	18.41	18.60	
5	256QAM	1	24	18.48	18.51	18.47	
5	256QAM	12	0	18.34	18.47	18.43	19.8
5	256QAM	12	7	18.47	18.55	18.54	
5	256QAM	12	13	18.42	18.39	18.43	
5	256QAM	25	0	18.38	18.44	18.50	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.56	23.62	23.58	24.8
3	QPSK	1	8	23.64	23.63	23.52	
3	QPSK	1	14	23.39	23.38	23.31	
3	QPSK	8	0	22.61	22.53	22.55	23.8
3	QPSK	8	4	22.60	22.55	22.57	
3	QPSK	8	7	22.60	22.54	22.58	
3	QPSK	15	0	22.53	22.62	22.37	
3	16QAM	1	0	22.56	22.44	22.61	23.8
3	16QAM	1	8	22.50	22.46	22.68	
3	16QAM	1	14	22.50	22.48	22.49	
3	16QAM	8	0	21.61	21.60	21.58	22.8
3	16QAM	8	4	21.74	21.54	21.52	
3	16QAM	8	7	21.67	21.53	21.34	
3	16QAM	15	0	21.55	21.58	21.65	
3	64QAM	1	0	21.68	21.60	21.59	22.8
3	64QAM	1	8	21.55	21.64	21.50	
3	64QAM	1	14	21.63	21.54	21.43	
3	64QAM	8	0	20.48	20.57	20.64	21.8
3	64QAM	8	4	20.69	20.46	20.56	
3	64QAM	8	7	20.51	20.62	20.56	
3	64QAM	15	0	20.65	20.53	20.47	
3	256QAM	1	0	18.47	18.53	18.50	19.8
3	256QAM	1	8	18.48	18.53	18.49	
3	256QAM	1	14	18.46	18.49	18.47	
3	256QAM	8	0	18.45	18.54	18.54	19.8
3	256QAM	8	4	18.45	18.47	18.49	
3	256QAM	8	7	18.50	18.37	18.47	
3	256QAM	15	0	18.37	18.51	18.51	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.56	23.61	23.57	24.8
1.4	QPSK	1	3	23.67	23.70	23.54	
1.4	QPSK	1	5	23.61	23.38	23.42	
1.4	QPSK	3	0	23.50	23.60	23.53	
1.4	QPSK	3	1	23.57	23.56	23.43	
1.4	QPSK	3	3	23.42	23.45	23.44	
1.4	QPSK	6	0	22.56	22.59	22.39	23.8
1.4	16QAM	1	0	22.56	22.52	22.60	23.8
1.4	16QAM	1	3	22.62	22.49	22.63	
1.4	16QAM	1	5	22.46	22.41	22.46	
1.4	16QAM	3	0	22.43	22.42	22.58	
1.4	16QAM	3	1	22.61	22.36	22.51	
1.4	16QAM	3	3	22.33	22.35	22.42	
1.4	16QAM	6	0	21.61	21.46	21.60	22.8
1.4	64QAM	1	0	21.70	21.70	21.52	22.8
1.4	64QAM	1	3	21.48	21.66	21.53	
1.4	64QAM	1	5	21.72	21.58	21.49	
1.4	64QAM	3	0	21.69	21.51	21.47	
1.4	64QAM	3	1	21.35	21.53	21.42	
1.4	64QAM	3	3	21.71	21.49	21.44	
1.4	64QAM	6	0	20.67	20.49	20.48	21.8
1.4	256QAM	1	0	18.43	18.57	18.40	19.8
1.4	256QAM	1	3	18.43	18.40	18.47	
1.4	256QAM	1	5	18.42	18.49	18.48	
1.4	256QAM	3	0	18.38	18.56	18.51	
1.4	256QAM	3	1	18.44	18.46	18.54	
1.4	256QAM	3	3	18.42	18.45	18.49	
1.4	256QAM	6	0	18.38	18.47	18.56	19.8

Band 7_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.54	23.79	23.78	24.3
20	QPSK	1	49	23.96	23.99	23.92	
20	QPSK	1	99	23.92	23.96	23.85	
20	QPSK	50	0	22.74	22.90	22.88	23.3
20	QPSK	50	24	22.89	23.03	23.01	
20	QPSK	50	50	22.81	23.00	22.95	
20	QPSK	100	0	22.75	22.95	22.90	
20	16QAM	1	0	22.93	23.11	22.94	23.3
20	16QAM	1	49	22.90	23.05	22.97	
20	16QAM	1	99	22.99	23.14	23.07	
20	16QAM	50	0	21.72	21.92	21.97	22.3
20	16QAM	50	24	21.86	22.04	22.02	
20	16QAM	50	50	21.85	22.03	22.04	
20	16QAM	100	0	21.76	21.95	21.99	
20	64QAM	1	0	22.14	22.16	22.20	22.3
20	64QAM	1	49	22.11	22.12	22.10	
20	64QAM	1	99	22.04	22.06	22.05	
20	64QAM	50	0	20.88	20.99	20.83	21.3
20	64QAM	50	24	20.84	21.05	20.96	
20	64QAM	50	50	20.80	21.07	21.02	
20	64QAM	100	0	20.80	20.93	20.97	
20	256QAM	1	0	18.87	18.93	18.90	19.3
20	256QAM	1	49	18.93	18.94	18.87	
20	256QAM	1	99	18.87	18.95	18.89	
20	256QAM	50	0	18.94	18.97	18.86	19.3
20	256QAM	50	24	18.87	18.85	18.86	
20	256QAM	50	50	18.92	18.90	18.97	
20	256QAM	100	0	18.84	18.91	18.90	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.46	23.69	23.69	24.3
15	QPSK	1	37	23.95	23.91	23.88	
15	QPSK	1	74	23.84	23.81	23.81	
15	QPSK	36	0	22.67	22.83	22.79	23.3
15	QPSK	36	20	22.76	22.97	22.99	
15	QPSK	36	39	22.76	22.87	22.81	
15	QPSK	75	0	22.71	22.89	22.84	
15	16QAM	1	0	22.92	23.00	22.80	23.3
15	16QAM	1	37	22.89	22.90	22.94	
15	16QAM	1	74	22.88	23.08	22.98	
15	16QAM	36	0	21.62	21.88	21.90	22.3
15	16QAM	36	20	21.72	21.92	21.98	
15	16QAM	36	39	21.77	21.98	21.91	
15	16QAM	75	0	21.74	21.85	21.93	
15	64QAM	1	0	22.11	22.16	22.15	22.3
15	64QAM	1	37	21.97	21.97	21.96	
15	64QAM	1	74	21.92	21.99	21.98	
15	64QAM	36	0	20.86	20.92	20.68	21.3
15	64QAM	36	20	20.78	20.93	20.92	
15	64QAM	36	39	20.73	21.01	20.99	
15	64QAM	75	0	20.67	20.83	20.87	
15	256QAM	1	0	18.76	18.86	18.79	19.3
15	256QAM	1	37	18.82	18.82	18.72	
15	256QAM	1	74	18.83	18.83	18.75	
15	256QAM	36	0	18.91	18.82	18.71	19.3
15	256QAM	36	20	18.77	18.72	18.77	
15	256QAM	36	39	18.86	18.79	18.96	
15	256QAM	75	0	18.75	18.81	18.80	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.50	23.77	23.64	24.3
10	QPSK	1	25	23.89	23.87	23.79	
10	QPSK	1	49	23.85	23.94	23.73	
10	QPSK	25	0	22.70	22.76	22.82	23.3
10	QPSK	25	12	22.76	22.95	22.88	
10	QPSK	25	25	22.76	22.85	22.89	
10	QPSK	50	0	22.63	22.88	22.84	
10	16QAM	1	0	22.88	23.05	22.93	23.3
10	16QAM	1	25	22.85	23.01	22.94	
10	16QAM	1	49	22.84	23.05	23.01	
10	16QAM	25	0	21.57	21.82	21.87	22.3
10	16QAM	25	12	21.77	21.92	21.98	
10	16QAM	25	25	21.82	22.02	21.94	
10	16QAM	50	0	21.72	21.82	21.95	
10	64QAM	1	0	22.00	22.06	22.15	22.3
10	64QAM	1	25	22.08	22.01	21.95	
10	64QAM	1	49	21.96	21.91	21.99	
10	64QAM	25	0	20.75	20.90	20.72	21.3
10	64QAM	25	12	20.78	21.04	20.82	
10	64QAM	25	25	20.67	20.99	20.93	
10	64QAM	50	0	20.76	20.92	20.84	
10	256QAM	1	0	18.77	18.92	18.83	19.3
10	256QAM	1	25	18.79	18.92	18.77	
10	256QAM	1	49	18.73	18.85	18.85	
10	256QAM	25	0	18.81	18.96	18.82	19.3
10	256QAM	25	12	18.84	18.77	18.80	
10	256QAM	25	25	18.86	18.83	18.89	
10	256QAM	50	0	18.74	18.81	18.77	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.45	23.68	23.76	24.3
5	QPSK	1	12	23.94	23.92	23.88	
5	QPSK	1	24	23.90	23.93	23.75	
5	QPSK	12	0	22.64	22.89	22.74	23.3
5	QPSK	12	7	22.73	22.93	22.99	
5	QPSK	12	13	22.71	22.92	22.92	
5	QPSK	25	0	22.60	22.90	22.89	
5	16QAM	1	0	22.82	23.10	22.79	23.3
5	16QAM	1	12	22.86	23.02	22.96	
5	16QAM	1	24	22.94	23.06	23.03	
5	16QAM	12	0	21.57	21.78	21.93	22.3
5	16QAM	12	7	21.79	22.00	21.91	
5	16QAM	12	13	21.70	21.93	21.89	
5	16QAM	25	0	21.70	21.87	21.91	
5	64QAM	1	0	22.10	22.06	22.16	22.3
5	64QAM	1	12	21.97	22.09	21.96	
5	64QAM	1	24	22.03	22.01	21.96	
5	64QAM	12	0	20.85	20.96	20.78	21.3
5	64QAM	12	7	20.82	21.01	20.85	
5	64QAM	12	13	20.65	20.94	20.98	
5	64QAM	25	0	20.68	20.92	20.96	
5	256QAM	1	0	18.85	18.88	18.89	19.3
5	256QAM	1	12	18.78	18.87	18.83	
5	256QAM	1	24	18.75	18.80	18.75	
5	256QAM	12	0	18.87	18.96	18.74	19.3
5	256QAM	12	7	18.80	18.83	18.80	
5	256QAM	12	13	18.81	18.76	18.89	
5	256QAM	25	0	18.74	18.84	18.77	

Band 7_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)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.28	23.23	23.25	23.8
20	QPSK	1	49	23.33	23.45	23.40	
20	QPSK	1	99	23.27	23.30	23.35	
20	QPSK	50	0	22.07	22.25	22.26	22.8
20	QPSK	50	24	22.30	22.38	22.32	
20	QPSK	50	50	22.21	22.36	22.30	
20	QPSK	100	0	22.28	22.35	22.31	
20	16QAM	1	0	22.23	22.25	22.29	22.8
20	16QAM	1	49	22.15	22.30	22.24	
20	16QAM	1	99	22.22	22.22	22.16	21.8
20	16QAM	50	0	21.10	21.29	21.37	
20	16QAM	50	24	21.18	21.37	21.42	
20	16QAM	50	50	21.28	21.40	21.46	
20	16QAM	100	0	21.19	21.37	21.38	
20	64QAM	1	0	21.30	21.56	21.46	21.8
20	64QAM	1	49	21.35	21.53	21.42	
20	64QAM	1	99	21.29	21.54	21.48	
20	64QAM	50	0	20.17	20.28	20.23	20.8
20	64QAM	50	24	20.30	20.42	20.46	
20	64QAM	50	50	20.19	20.47	20.39	
20	64QAM	100	0	20.18	20.33	20.33	
20	256QAM	1	0	18.27	18.28	18.23	18.8
20	256QAM	1	49	18.31	18.23	18.23	
20	256QAM	1	99	18.28	18.28	18.28	
20	256QAM	50	0	18.36	18.16	18.28	18.8
20	256QAM	50	24	18.36	18.20	18.34	
20	256QAM	50	50	18.29	18.29	18.30	
20	256QAM	100

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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)
Channel				20650	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.14	23.39	23.36	23.8
20	QPSK	1	49	23.40	23.54	23.38	
20	QPSK	1	99	23.33	23.48	23.35	
20	QPSK	50	0	22.19	22.48	22.37	22.8
20	QPSK	50	24	22.36	22.50	22.44	
20	QPSK	50	50	22.35	22.45	22.41	
20	QPSK	100	0	22.33	22.43	22.35	
20	16QAM	1	0	22.37	22.48	22.37	22.8
20	16QAM	1	49	22.21	22.33	22.32	
20	16QAM	1	99	22.26	22.34	22.23	
20	16QAM	50	0	21.26	21.50	21.39	21.8
20	16QAM	50	24	21.38	21.53	21.42	
20	16QAM	50	50	21.38	21.57	21.45	
20	16QAM	100	0	21.35	21.47	21.38	
20	64QAM	1	0	21.18	21.38	21.27	21.8
20	64QAM	1	49	21.26	21.44	21.39	
20	64QAM	1	99	21.23	21.55	21.40	
20	64QAM	50	0	20.55	20.52	20.60	20.8
20	64QAM	50	24	20.42	20.51	20.56	
20	64QAM	50	50	20.47	20.37	20.49	
20	64QAM	100	0	20.40	20.46	20.47	
20	256QAM	1	0	18.33	18.25	18.21	18.8
20	256QAM	1	49	18.22	18.11	18.13	
20	256QAM	1	99	18.23	18.13	18.20	
20	256QAM	50	0	18.31	18.10	18.07	18.8
20	256QAM	50	24	18.18	18.11	18.11	
20	256QAM	50	50	18.32	18.15	18.06	
20	256QAM	100	0	18.31	18.10	18.16	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.00	23.35	23.27	23.8
15	QPSK	1	37	23.27	23.41	23.34	
15	QPSK	1	74	23.22	23.35	23.25	
15	QPSK	36	0	22.13	22.40	22.29	22.8
15	QPSK	36	20	22.21	22.44	22.30	
15	QPSK	36	39	22.31	22.33	22.40	
15	QPSK	75	0	22.30	22.29	22.21	
15	16QAM	1	0	22.13	22.33	22.24	22.8
15	16QAM	1	37	22.19	22.32	22.29	
15	16QAM	1	74	22.21	22.28	22.08	
15	16QAM	36	0	21.17	21.47	21.33	21.8
15	16QAM	36	20	21.33	21.51	21.39	
15	16QAM	36	39	21.25	21.51	21.38	
15	16QAM	75	0	21.20	21.45	21.29	
15	64QAM	1	0	21.14	21.23	21.20	21.8
15	64QAM	1	37	21.17	21.32	21.31	
15	64QAM	1	74	21.14	21.42	21.33	
15	64QAM	36	0	20.52	20.43	20.47	20.8
15	64QAM	36	20	20.34	20.39	20.44	
15	64QAM	36	39	20.37	20.39	20.41	
15	64QAM	75	0	20.27	20.38	20.34	
15	256QAM	1	0	18.21	18.13	18.19	18.8
15	256QAM	1	37	18.07	18.01	18.06	
15	256QAM	1	74	18.18	18.04	18.05	
15	256QAM	36	0	18.25	18.04	18.04	18.8
15	256QAM	36	20	18.08	18.04	18.07	
15	256QAM	36	39	18.23	18.14	17.91	
15	256QAM	75	0	18.21	17.96	18.03	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.03	23.29	23.24	23.8
10	QPSK	1	25	23.31	23.47	23.24	
10	QPSK	1	49	23.24	23.47	23.30	
10	QPSK	25	0	22.18	22.33	22.36	22.8
10	QPSK	25	12	22.34	22.42	22.41	
10	QPSK	25	25	22.30	22.31	22.39	
10	QPSK	50	0	22.29	22.37	22.25	
10	16QAM	1	0	22.26	22.37	22.22	22.8
10	16QAM	1	25	22.20	22.24	22.24	
10	16QAM	1	49	22.25	22.20	22.19	
10	16QAM	25	0	21.22	21.43	21.28	21.8
10	16QAM	25	12	21.26	21.42	21.37	
10	16QAM	25	25	21.36	21.46	21.39	
10	16QAM	50	0	21.32	21.39	21.37	
10	64QAM	1	0	21.03	21.27	21.23	21.8
10	64QAM	1	25	21.24	21.42	21.28	
10	64QAM	1	49	21.13	21.46	21.28	
10	64QAM	25	0	20.53	20.45	20.48	20.8
10	64QAM	25	12	20.41	20.48	20.48	
10	64QAM	25	25	20.46	20.31	20.39	
10	64QAM	50	0	20.26	20.42	20.32	
10	256QAM	1	0	18.25	18.13	18.08	18.8
10	256QAM	1	25	18.20	17.98	18.07	
10	256QAM	1	49	18.10	18.11	18.10	
10	256QAM	25	0	18.30	17.96	18.06	18.8
10	256QAM	25	12	18.16	18.06	18.09	
10	256QAM	25	25	18.20	18.03	17.95	
10	256QAM	50	0	18.28	18.02	18.02	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.08	23.25	23.31	23.8
5	QPSK	1	12	23.33	23.43	23.23	
5	QPSK	1	24	23.37	23.46	23.27	
5	QPSK	12	0	22.06	22.42	22.35	22.8
5	QPSK	12	7	22.26	22.43	22.37	
5	QPSK	12	13	22.29	22.38	22.28	
5	QPSK	25	0	22.29	22.35	22.33	
5	16QAM	1	0	22.15	22.33	22.30	22.8
5	16QAM	1	12	22.16	22.22	22.18	
5	16QAM	1	24	22.24	22.25	22.36	
5	16QAM	12	0	21.23	21.37	21.29	21.8
5	16QAM	12	7	21.24	21.39	21.37	
5	16QAM	12	13	21.34	21.54	21.43	
5	16QAM	25	0	21.32	21.35	21.33	
5	64QAM	1	0	21.13	21.34	21.15	21.8
5	64QAM	1	12	21.16	21.33	21.27	
5	64QAM	1	24	21.09	21.41	21.37	
5	64QAM	12	0	20.40	20.47	20.51	20.8
5	64QAM	12	7	20.29	20.44	20.53	
5	64QAM	12	13	20.46	20.26	20.41	
5	64QAM	25	0	20.25	20.42	20.32	
5	256QAM	1	0	18.20	18.19	18.06	18.8
5	256QAM	1	12	18.10	18.01	18.07	
5	256QAM	1	24	18.21	18.02	18.18	
5	256QAM	12	0	18.18	18.06	18.01	18.8
5	256QAM	12	7	18.08	18.08	18.04	
5	256QAM	12	13	18.28	18.08	18.04	
5	256QAM	25	0	18.30	18.09	18.08	

Band 7_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.31	23.59	23.58	23.8
20	QPSK	1	49	23.66	23.70	23.69	
20	QPSK	1	99	23.59	23.62	23.43	
20	QPSK	50	0	22.45	22.60	22.63	22.8
20	QPSK	50	24	22.60	22.65	22.54	
20	QPSK	50	50	22.55	22.58	22.57	
20	QPSK	100	0	22.54	22.61	22.59	
20	16QAM	1	0	22.51	22.62	22.53	22.8
20	16QAM	1	49	22.42	22.48	22.54	
20	16QAM	1	99	22.39	22.55	22.46	
20	16QAM	50	0	21.46	21.60	21.58	21.8
20	16QAM	50	24	21.43	21.56	21.46	
20	16QAM	50	50	21.35	21.57	21.57	
20	16QAM	100	0	21.33	21.51	21.51	
20	64QAM	1	0	21.35	21.46	21.56	21.8
20	64QAM	1	49	21.37	21.45	21.57	
20	64QAM	1	99	21.42	21.45	21.50	
20	64QAM	50	0	20.50	20.67	20.62	20.8
20	64QAM	50	24	20.36	20.59	20.53	
20	64QAM	50	50	20.41	20.59	20.55	
20	64QAM	100	0	20.38	20.59	20.51	
20	256QAM	1	0	18.35	18.40	18.32	18.8
20	256QAM	1	49	18.27	18.35	18.27	
20	256QAM	1	99	18.28	18.38	18.22	
20	256QAM	50	0	18.29	18.39	18.18	18.8
20	256QAM	50	24	18.22	18.36	18.25	
20	256QAM	50	50	18.30	18.34	18.27	
20	256QAM	100	0	18.29	18.30	18.25	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.21	23.48	23.54	23.8
15	QPSK	1	37	23.62	23.58	23.63	
15	QPSK	1	74	23.48	23.59	23.38	
15	QPSK	36	0	22.35	22.55	22.49	22.8
15	QPSK	36	20	22.59	22.58	22.53	
15	QPSK	36	39	22.45	22.55	22.42	
15	QPSK	75	0	22.49	22.50	22.55	
15	16QAM	1	0	22.39	22.53	22.51	22.8
15	16QAM	1	37	22.28	22.43	22.39	
15	16QAM	1	74	22.35	22.51	22.43	
15	16QAM	36	0	21.32	21.47	21.48	21.8
15	16QAM	36	20	21.39	21.53	21.31	
15	16QAM	36	39	21.27	21.52	21.46	
15	16QAM	75	0	21.18	21.45	21.46	
15	64QAM	1	0	21.32	21.45	21.54	21.8
15	64QAM	1	37	21.26	21.41	21.44	
15	64QAM	1	74	21.36	21.36	21.44	
15	64QAM	36	0	20.49	20.59	20.60	20.8
15	64QAM	36	20	20.28	20.51	20.43	
15	64QAM	36	39	20.39	20.49	20.46	
15	64QAM	75	0	20.29	20.46	20.45	
15	256QAM	1	0	18.21	18.37	18.30	18.8
15	256QAM	1	37	18.14	18.25	18.13	
15	256QAM	1	74	18.24	18.32	18.21	
15	256QAM	36	0	18.17	18.24	18.05	18.8
15	256QAM	36	20	18.16	18.33	18.12	
15	256QAM	36	39	18.25	18.32	18.25	
15	256QAM	75	0	18.16	18.18	18.20	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.30	23.54	23.47	23.8
10	QPSK	1	25	23.52	23.65	23.62	
10	QPSK	1	49	23.51	23.50	23.42	
10	QPSK	25	0	22.35	22.55	22.61	22.8
10	QPSK	25	12	22.54	22.63	22.51	
10	QPSK	25	25	22.44	22.49	22.44	
10	QPSK	50	0	22.45	22.48	22.54	
10	16QAM	1	0	22.39	22.56	22.47	22.8
10	16QAM	1	25	22.36	22.47	22.50	
10	16QAM	1	49	22.36	22.51	22.32	
10	16QAM	25	0	21.42	21.47	21.46	21.8
10	16QAM	25	12	21.31	21.41	21.41	
10	16QAM	25	25	21.34	21.49	21.42	
10	16QAM	50	0	21.22	21.40	21.42	
10	64QAM	1	0	21.23	21.38	21.51	21.8
10	64QAM	1	25	21.25	21.33	21.50	
10	64QAM	1	49	21.41	21.37	21.46	
10	64QAM	25	0	20.47	20.65	20.50	20.8
10	64QAM	25	12	20.33	20.57	20.46	
10	64QAM	25	25	20.31	20.57	20.43	
10	64QAM	50	0	20.27	20.57	20.48	
10	256QAM	1	0	18.25	18.29	18.21	18.8
10	256QAM	1	25	18.14	18.31	18.23	
10	256QAM	1	49	18.14	18.34	18.07	
10	256QAM	25	0	18.27	18.37	18.16	18.8
10	256QAM	25	12	18.08	18.35	18.10	
10	256QAM	25	25	18.27	18.23	18.12	
10	256QAM	50	0	18.21	18.37	18.10	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.21	23.56	23.45	23.8
5	QPSK	1	12	23.64	23.63	23.60	
5	QPSK	1	24	23.55	23.59	23.28	
5	QPSK	12	0	22.33	22.51	22.60	22.8
5	QPSK	12	7	22.47	22.57	22.63	
5	QPSK	12	13	22.53	22.48	22.42	
5	QPSK	25	0	22.48	22.51	22.45	
5	16QAM	1	0	22.48	22.47	22.50	22.8
5	16QAM	1	12	22.27	22.45	22.43	
5	16QAM	1	24	22.36	22.52	22.36	
5	16QAM	12	0	21.35	21.48	21.55	21.8
5	16QAM	12	7	21.37	21.45	21.45	
5	16QAM	12	13	21.23	21.43	21.47	
5	16QAM	25	0	21.42	21.43	21.49	
5	64QAM	1	0	21.23	21.36	21.45	21.8
5	64QAM	1	12	21.22	21.40	21.45	
5	64QAM	1	24	21.32	21.42	21.38	
5	64QAM	12	0	20.35	20.47	20.54	20.8
5	64QAM	12	7	20.32	20.47	20.42	
5	64QAM	12	13	20.28	20.54	20.48	
5	64QAM	25	0	20.32	20.56	20.46	
5	256QAM	1	0	18.34	18.28	18.23	18.8
5	256QAM	1	12	18.26	18.29	18.23	
5	256QAM	1	24	18.20	18.23	18.16	
5	256QAM	12	0	18.15	18.30	18.07	18.8
5	256QAM	12	7	18.11	18.30	18.24	
5	256QAM	12	13	18.20	18.28	18.14	
5	256QAM	25	0	18.15	18.22	18.16	

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.88	23.80	23.79	25
10	QPSK	1	25	23.90	23.85	23.88	
10	QPSK	1	49	23.80	23.71	23.82	
10	QPSK	25	0	22.68	22.70	22.73	24
10	QPSK	25	12	22.86	22.85	22.83	
10	QPSK	25	25	22.82	22.84	22.80	
10	QPSK	50	0	22.76	22.71	22.70	
10	16QAM	1	0	22.77	22.75	22.82	24
10	16QAM	1	25	22.74	22.72	22.75	
10	16QAM	1	49	22.85	22.75	22.82	
10	16QAM	25	0	21.72	21.81	21.72	23
10	16QAM	25	12	21.89	21.86	21.73	
10	16QAM	25	25	21.82	21.83	21.86	
10	16QAM	50	0	21.70	21.71	21.71	
10	64QAM	1	0	22.13	22.00	22.04	23
10	64QAM	1	25	21.95	21.93	21.96	
10	64QAM	1	49	22.08	22.10	22.15	
10	64QAM	25	0	20.65	20.87	20.82	22
10	64QAM	25	12	20.96	20.89	20.89	
10	64QAM	25	25	20.98	20.86	20.85	
10	64QAM	50	0	20.82	20.78	20.78	
10	256QAM	1	0	18.76	18.76	18.77	20
10	256QAM	1	25	18.86	18.75	18.80	
10	256QAM	1	49	18.83	18.75	18.77	
10	256QAM	25	0	18.82	18.69	18.71	20
10	256QAM	25	12	18.76	18.63	18.75	
10	256QAM	25	25	18.78	18.63	18.75	
10	256QAM	50	0	18.84	18.71	18.83	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.77	23.77	23.76	25
5	QPSK	1	12	23.80	23.84	23.81	
5	QPSK	1	24	23.71	23.57	23.77	
5	QPSK	12	0	22.55	22.67	22.71	24
5	QPSK	12	7	22.79	22.81	22.77	
5	QPSK	12	13	22.68	22.82	22.70	
5	QPSK	25	0	22.70	22.63	22.60	
5	16QAM	1	0	22.67	22.74	22.77	24
5	16QAM	1	12	22.59	22.60	22.62	
5	16QAM	1	24	22.84	22.64	22.67	
5	16QAM	12	0	21.67	21.66	21.58	23
5	16QAM	12	7	21.88	21.83	21.69	
5	16QAM	12	13	21.71	21.82	21.80	
5	16QAM	25	0	21.57	21.67	21.69	
5	64QAM	1	0	21.99	21.95	21.99	23
5	64QAM	1	12	21.89	21.80	21.90	
5	64QAM	1	24	21.98	21.99	22.07	
5	64QAM	12	0	20.50	20.77	20.67	22
5	64QAM	12	7	20.89	20.88	20.85	
5	64QAM	12	13	20.83	20.79	20.77	
5	64QAM	25	0	20.70	20.65	20.72	
5	256QAM	1	0	18.75	18.62	18.69	20
5	256QAM	1	12	18.80	18.74	18.66	
5	256QAM	1	24	18.68	18.74	18.62	
5	256QAM	12	0	18.70	18.59	18.60	20
5	256QAM	12	7	18.68	18.50	18.69	
5	256QAM	12	13	18.67	18.52	18.60	
5	256QAM	25	0	18.72	18.68	18.76	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.82	23.70	23.77	25
3	QPSK	1	8	23.85	23.75	23.85	
3	QPSK	1	14	23.67	23.58	23.75	
3	QPSK	8	0	22.54	22.56	22.58	24
3	QPSK	8	4	22.85	22.74	22.82	
3	QPSK	8	7	22.78	22.67	22.73	
3	QPSK	15	0	22.64	22.68	22.66	
3	16QAM	1	0	22.71	22.63	22.67	24
3	16QAM	1	8	22.62	22.67	22.61	
3	16QAM	1	14	22.78	22.60	22.68	
3	16QAM	8	0	21.69	21.67	21.71	23
3	16QAM	8	4	21.75	21.78	21.69	
3	16QAM	8	7	21.75	21.78	21.82	
3	16QAM	15	0	21.59	21.59	21.59	
3	64QAM	1	0	22.12	21.94	22.02	23
3	64QAM	1	8	21.82	21.87	21.88	
3	64QAM	1	14	21.97	22.04	22.02	
3	64QAM	8	0	20.59	20.75	20.74	22
3	64QAM	8	4	20.92	20.80	20.75	
3	64QAM	8	7	20.92	20.80	20.72	
3	64QAM	15	0	20.70	20.67	20.69	
3	256QAM	1	0	18.70	18.65	18.73	20
3	256QAM	1	8	18.80	18.72	18.66	
3	256QAM	1	14	18.77	18.67	18.64	
3	256QAM	8	0	18.80	18.57	18.65	20
3	256QAM	8	4	18.61	18.50	18.65	
3	256QAM	8	7	18.72	18.49	18.71	
3	256QAM	15	0	18.81	18.66	18.80	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.83	23.68	23.71	25
1.4	QPSK	1	3	23.82	23.73	23.75	
1.4	QPSK	1	5	23.74	23.65	23.74	
1.4	QPSK	3	0	23.74	23.57	23.65	
1.4	QPSK	3	1	23.79	23.59	23.63	
1.4	QPSK	3	3	23.80	23.62	23.61	
1.4	QPSK	6	0	22.74	22.63	22.65	24
1.4	16QAM	1	0	22.73	22.68	22.71	24
1.4	16QAM	1	3	22.59	22.65	22.64	
1.4	16QAM	1	5	22.76	22.58	22.62	
1.4	16QAM	3	0	22.72	22.54	22.61	
1.4	16QAM	3	1	22.51	22.50	22.60	
1.4	16QAM	3	3	22.61	22.52	22.65	
1.4	16QAM	6	0	21.57	21.58	21.66	23
1.4	64QAM	1	0	22.00	21.94	21.89	23
1.4	64QAM	1	3	21.93	21.82	21.85	
1.4	64QAM	1	5	22.06	21.99	22.10	
1.4	64QAM	3	0	21.97	21.89	21.88	
1.4	64QAM	3	1	21.80	21.69	21.77	
1.4	64QAM	3	3	21.97	21.89	22.06	
1.4	64QAM	6	0	20.76	20.76	20.75	22
1.4	256QAM	1	0	18.75	18.68	18.65	20
1.4	256QAM	1	3	18.81	18.64	18.79	
1.4	256QAM	1	5	18.75	18.70	18.63	
1.4	256QAM	3	0	18.76	18.64	18.68	
1.4	256QAM	3	1	18.73	18.52	18.65	
1.4	256QAM	3	3	18.66	18.53	18.64	
1.4	256QAM	6	0	18.79	18.61	18.79	20

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.50	23.50	23.53	24.8
10	QPSK	1	25	23.58	23.55	23.54	
10	QPSK	1	49	23.45	23.32	23.41	
10	QPSK	25	0	22.51	22.59	22.60	23.8
10	QPSK	25	12	22.69	22.87	22.86	
10	QPSK	25	25	22.59	22.66	22.65	
10	QPSK	50	0	22.61	22.57	22.50	
10	16QAM	1	0	22.61	22.63	22.54	23.8
10	16QAM	1	25	22.54	22.55	22.64	
10	16QAM	1	49	22.52	22.51	22.44	
10	16QAM	25	0	21.54	21.67	21.56	22.8
10	16QAM	25	12	21.68	21.69	21.45	
10	16QAM	25	25	21.78	21.69	21.76	
10	16QAM	50	0	21.67	21.55	21.65	
10	64QAM	1	0	21.78	21.68	21.74	22.8
10	64QAM	1	25	21.89	21.71	21.85	
10	64QAM	1	49	21.83	21.61	21.84	
10	64QAM	25	0	20.58	20.69	20.64	21.8
10	64QAM	25	12	20.58	20.53	20.66	
10	64QAM	25	25	20.57	20.70	20.69	
10	64QAM	50	0	20.62	20.50	20.54	
10	256QAM	1	0	18.55	18.60	18.52	19.8
10	256QAM	1	25	18.43	18.47	18.49	
10	256QAM	1	49	18.54	18.53	18.40	
10	256QAM	25	0	18.41	18.54	18.38	19.8
10	256QAM	25	12	18.41	18.57	18.51	
10	256QAM	25	25	18.46	18.59	18.40	
10	256QAM	50	0	18.54	18.57	18.41	
Channel				23035	23095	23155	Tune-up lim

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.34		24.8
10	QPSK	1	25		23.45		
10	QPSK	1	49		23.41		
10	QPSK	25	0		22.43		23.8
10	QPSK	25	12		22.58		
10	QPSK	25	25		22.55		
10	QPSK	50	0		22.46		
10	16QAM	1	0		22.76		23.8
10	16QAM	1	25		22.65		
10	16QAM	1	49		22.82		
10	16QAM	25	0		21.50		22.8
10	16QAM	25	12		21.54		
10	16QAM	25	25		21.60		
10	16QAM	50	0		21.42		
10	64QAM	1	0		21.29		22.8
10	64QAM	1	25		21.50		
10	64QAM	1	49		21.41		
10	64QAM	25	0		20.53		21.8
10	64QAM	25	12		20.57		
10	64QAM	25	25		20.60		
10	64QAM	50	0		20.53		
10	256QAM	1	0		18.40		19.8
10	256QAM	1	25		18.45		
10	256QAM	1	49		18.42		
10	256QAM	25	0		18.31		19.8
10	256QAM	25	12		18.39		
10	256QAM	25	25		18.34		
10	256QAM	50	0		18.29		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.23	23.26	23.30	24.8
5	QPSK	1	12	23.42	23.31	23.40	
5	QPSK	1	24	23.40	23.32	23.35	
5	QPSK	12	0	22.30	22.33	22.38	23.8
5	QPSK	12	7	22.55	22.54	22.50	
5	QPSK	12	13	22.40	22.53	22.40	
5	QPSK	25	0	22.42	22.43	22.34	
5	16QAM	1	0	22.65	22.65	22.61	23.8
5	16QAM	1	12	22.57	22.53	22.58	
5	16QAM	1	24	22.67	22.77	22.73	
5	16QAM	12	0	21.38	21.47	21.42	22.8
5	16QAM	12	7	21.48	21.51	21.44	
5	16QAM	12	13	21.59	21.53	21.45	
5	16QAM	25	0	21.28	21.31	21.28	
5	64QAM	1	0	21.21	21.25	21.27	22.8
5	64QAM	1	12	21.40	21.40	21.42	
5	64QAM	1	24	21.29	21.26	21.32	
5	64QAM	12	0	20.48	20.50	20.43	21.8
5	64QAM	12	7	20.52	20.53	20.56	
5	64QAM	12	13	20.50	20.48	20.47	
5	64QAM	25	0	20.41	20.44	20.40	
5	256QAM	1	0	18.28	18.26	18.32	19.8
5	256QAM	1	12	18.34	18.41	18.39	
5	256QAM	1	24	18.32	18.29	18.27	
5	256QAM	12	0	18.27	18.20	18.29	19.8
5	256QAM	12	7	18.32	18.31	18.32	
5	256QAM	12	13	18.23	18.30	18.30	
5	256QAM	25	0	18.22	18.20	18.16	

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		22.92		24.3
10	QPSK	1	25		23.25		
10	QPSK	1	49		23.11		
10	QPSK	25	0		22.10		23.3
10	QPSK	25	12		22.30		
10	QPSK	25	25		22.19		
10	QPSK	50	0		22.14		
10	16QAM	1	0		21.87		23.3
10	16QAM	1	25		22.11		
10	16QAM	1	49		22.00		
10	16QAM	25	0		21.10		22.3
10	16QAM	25	12		21.07		
10	16QAM	25	25		21.30		
10	16QAM	50	0		21.20		
10	64QAM	1	0		21.20		22.3
10	64QAM	1	25		21.39		
10	64QAM	1	49		21.38		
10	64QAM	25	0		20.07		21.3
10	64QAM	25	12		20.11		
10	64QAM	25	25		20.23		
10	64QAM	50	0		20.09		
10	256QAM	1	0		18.00		19.3
10	256QAM	1	25		18.05		
10	256QAM	1	49		18.02		
10	256QAM	25	0		17.99		19.3
10	256QAM	25	12		17.85		
10	256QAM	25	25		17.94		
10	256QAM	50	0		17.88		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.86	22.79	22.78	24.3
5	QPSK	1	12	23.17	23.10	23.18	
5	QPSK	1	24	23.04	22.96	23.06	
5	QPSK	12	0	22.00	22.07	22.06	23.3
5	QPSK	12	7	22.27	22.19	22.19	
5	QPSK	12	13	22.11	22.18	22.05	
5	QPSK	25	0	22.06	22.07	22.07	
5	16QAM	1	0	21.74	21.79	21.84	23.3
5	16QAM	1	12	22.10	21.96	22.05	
5	16QAM	1	24	21.97	21.93	21.92	
5	16QAM	12	0	21.09	21.02	21.09	22.3
5	16QAM	12	7	21.02	20.94	21.04	
5	16QAM	12	13	21.16	21.19	21.24	
5	16QAM	25	0	21.13	21.14	21.08	
5	64QAM	1	0	21.13	21.10	21.07	22.3
5	64QAM	1	12	21.26	21.32	21.28	
5	64QAM	1	24	21.36	21.30	21.33	
5	64QAM	12	0	19.99	20.04	19.92	21.3
5	64QAM	12	7	20.03	20.09	20.09	
5	64QAM	12	13	20.15	20.09	20.22	
5	64QAM	25	0	19.99	19.96	19.98	
5	256QAM	1	0	17.89	17.88	17.87	19.3
5	256QAM	1	12	17.95	17.98	17.96	
5	256QAM	1	24	17.91	17.90	17.92	
5	256QAM	12	0	17.95	17.91	17.86	19.3
5	256QAM	12	7	17.84	17.82	17.80	
5	256QAM	12	13	17.87	17.87	17.88	
5	256QAM	25	0	17.78	17.76	17.78	

Band 17_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)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.43	23.78	23.45	25
10	QPSK	1	25	23.75	23.80	23.71	
10	QPSK	1	49	23.65	23.56	23.66	
10	QPSK	25	0	22.60	22.65	22.64	24
10	QPSK	25	12	22.75	22.78	22.74	
10	QPSK	25	25	22.70	22.76	22.67	
10	QPSK	50	0	22.73	22.75	22.71	
10	16QAM	1	0	22.87	22.73	22.88	24
10	16QAM	1	25	22.86	22.83	22.76	
10	16QAM	1	49	22.99	22.79	23.08	
10	16QAM	25	0	21.69	21.66	21.72	23
10	16QAM	25	12	21.81	21.78	21.70	
10	16QAM	25	25	21.79	21.67	21.68	
10	16QAM	50	0	21.70	21.60	21.64	
10	64QAM	1	0	21.79	21.81	21.73	23
10	64QAM	1	25	21.91	21.93	21.95	
10	64QAM	1	49	21.83	21.78	22.01	
10	64QAM	25	0	20.61	20.73	20.63	22
10	64QAM	25	12	20.77	20.63	20.62	
10	64QAM	25	25	20.76	20.71	20.69	
10	64QAM	50	0	20.73	20.64	20.57	
10	256QAM	1	0	18.45	18.53	18.47	20
10	256QAM	1	25	18.46	18.60	18.46	
10	256QAM	1	49	18.55	18.56	18.51	
10	256QAM	25	0	18.50	18.51	18.49	20
10	256QAM	25	12	18.54	18.48	18.46	
10	256QAM	25	25	18.54	18.56	18.50	
10	256QAM	50	0	18.49	18.46	18.51	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.32	23.75	23.44	25
5	QPSK	1	12	23.71	23.72	23.59	
5	QPSK	1	24	23.60	23.51	23.51	
5	QPSK	12	0	22.55	22.55	22.62	24
5	QPSK	12	7	22.74	22.75	22.67	
5	QPSK	12	13	22.64	22.72	22.66	
5	QPSK	25	0	22.71	22.73	22.64	
5	16QAM	1	0	22.74	22.67	22.75	24
5	16QAM	1	12	22.80	22.81	22.69	
5	16QAM	1	24	22.93	22.72	23.04	
5	16QAM	12	0	21.61	21.52	21.62	23
5	16QAM	12	7	21.68	21.77	21.65	
5	16QAM	12	13	21.64	21.62	21.62	
5	16QAM	25	0	21.59	21.46	21.55	
5	64QAM	1	0	21.72	21.69	21.64	23
5	64QAM	1	12	21.77	21.78	21.81	
5	64QAM	1	24	21.82	21.72	22.00	
5	64QAM	12	0	20.46	20.67	20.54	22
5	64QAM	12	7	20.71	20.61	20.61	
5	64QAM	12	13	20.61	20.65	20.57	
5	64QAM	25	0	20.60	20.53	20.50	
5	256QAM	1	0	18.30	18.40	18.33	20
5	256QAM	1	12	18.43	18.45	18.40	
5	256QAM	1	24	18.41	18.41	18.47	
5	256QAM	12	0	18.40	18.40	18.39	20
5	256QAM	12	7	18.45	18.45	18.33	
5	256QAM	12	13	18.53	18.42	18.48	
5	256QAM	25	0	18.43	18.41	18.37	

Band 17_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)
Channel				23780	23799	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.41	23.48	23.40	24.8
10	QPSK	1	25	23.42	23.50	23.44	
10	QPSK	1	49	23.38	23.45	23.39	
10	QPSK	25	0	22.39	22.35	22.30	23.8
10	QPSK	25	12	22.40	22.45	22.38	
10	QPSK	25	25	22.29	22.34	22.31	
10	QPSK	50	0	22.37	22.40	22.39	
10	16QAM	1	0	22.86	22.80	22.83	23.8
10	16QAM	1	25	22.98	22.94	22.73	
10	16QAM	1	49	23.03	22.77	22.94	
10	16QAM	25	0	21.56	21.63	21.64	22.8
10	16QAM	25	12	21.74	21.64	21.66	
10	16QAM	25	25	21.80	21.71	21.71	
10	16QAM	50	0	21.74	21.53	21.62	
10	64QAM	1	0	21.85	21.90	21.84	22.8
10	64QAM	1	25	21.89	21.74	21.85	
10	64QAM	1	49	21.63	21.70	21.94	
10	64QAM	25	0	20.58	20.54	20.65	21.8
10	64QAM	25	12	20.74	20.64	20.81	
10	64QAM	25	25	20.76	20.81	20.73	
10	64QAM	50	0	20.66	20.65	20.64	
10	256QAM	1	0	18.54	18.55	18.50	19.8
10	256QAM	1	25	18.51	18.59	18.48	
10	256QAM	1	49	18.57	18.59	18.52	
10	256QAM	25	0	18.55	18.55	18.42	19.8
10	256QAM	25	12	18.52	18.57	18.41	
10	256QAM	25	25	18.49	18.58	18.49	
10	256QAM	50	0	18.59	18.49	18.44	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.28	23.40	23.33	24.8
5	QPSK	1	12	23.39	23.42	23.38	
5	QPSK	1	24	23.33	23.39	23.28	
5	QPSK	12	0	22.34	22.32	22.23	23.8
5	QPSK	12	7	22.32	22.37	22.27	
5	QPSK	12	13	22.26	22.30	22.26	
5	QPSK	25	0	22.27	22.34	22.33	
5	16QAM	1	0	22.80	22.67	22.70	23.8
5	16QAM	1	12	22.85	22.85	22.65	
5	16QAM	1	24	22.93	22.67	22.93	
5	16QAM	12	0	21.44	21.51	21.51	22.8
5	16QAM	12	7	21.62	21.53	21.65	
5	16QAM	12	13	21.67	21.66	21.67	
5	16QAM	25	0	21.63	21.46	21.47	
5	64QAM	1	0	21.76	21.50	21.80	22.8
5	64QAM	1	12	21.87	21.61	21.73	
5	64QAM	1	24	21.55	21.69	21.84	
5	64QAM	12	0	20.53	20.50	20.57	21.8
5	64QAM	12	7	20.72	20.57	20.80	
5	64QAM	12	13	20.64	20.72	20.64	
5	64QAM	25	0	20.53	20.62	20.54	
5	256QAM	1	0	18.45	18.43	18.35	19.8
5	256QAM	1	12	18.48	18.47	18.40	
5	256QAM	1	24	18.42	18.53	18.41	
5	256QAM	12	0	18.46	18.52	18.32	19.8
5	256QAM	12	7	18.37	18.44	18.27	
5	256QAM	12	13	18.38	18.50	18.39	
5	256QAM	25	0	18.45	18.41	18.43	

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1880	1880	1905	
20	QPSK	1	0	24.20	24.39	24.24	25
20	QPSK	1	49	24.33	24.40	24.30	
20	QPSK	1	99	24.22	24.11	24.23	
20	QPSK	50	0	23.26	23.32	23.26	
20	QPSK	50	24	23.37	23.39	23.32	24
20	QPSK	50	50	23.32	23.25	23.30	
20	QPSK	100	0	23.28	23.29	23.16	
20	16QAM	1	0	23.25	23.26	23.21	
20	16QAM	1	49	23.29	23.20	23.26	24
20	16QAM	1	99	23.24	23.28	23.08	
20	16QAM	50	0	22.31	22.23	22.23	
20	16QAM	50	24	22.28	22.41	22.16	23
20	16QAM	50	50	22.30	22.35	22.24	
20	16QAM	100	0	22.28	22.30	22.30	
20	64QAM	1	0	22.40	22.48	22.37	
20	64QAM	1	49	22.35	22.38	22.36	23
20	64QAM	1	99	22.33	22.38	22.22	
20	64QAM	50	0	21.38	21.21	21.19	
20	64QAM	50	24	21.35	21.40	21.22	22
20	64QAM	50	50	21.33	21.27	21.39	
20	64QAM	100	0	21.30	21.28	21.20	
20	256QAM	1	0	18.98	18.96	19.05	
20	256QAM	1	49	18.96	19.00	19.02	20
20	256QAM	1	99	18.87	19.00	19.00	
20	256QAM	50	0	18.88	18.97	19.05	
20	256QAM	50	24	18.93	18.97	19.07	20
20	256QAM	50	50	19.01	18.95	19.06	
20	256QAM	100	0	19.00	18.99	18.95	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.17	24.35	24.13	25
15	QPSK	1	37	24.22	24.26	24.25	
15	QPSK	1	74	24.11	24.03	24.20	
15	QPSK	36	0	23.16	23.23	23.13	
15	QPSK	36	20	23.29	23.27	23.25	24
15	QPSK	36	39	23.30	23.24	23.28	
15	QPSK	75	0	23.15	23.17	23.04	
15	16QAM	1	0	23.11	23.21	23.06	
15	16QAM	1	37	23.15	23.21	23.16	24
15	16QAM	1	74	23.11	23.27	23.03	
15	16QAM	36	0	22.23	22.18	22.10	
15	16QAM	36	20	22.19	22.28	22.05	23
15	16QAM	36	39	22.26	22.24	22.14	
15	16QAM	75	0	22.15	22.28	22.19	
15	64QAM	1	0	22.35	22.42	22.25	
15	64QAM	1	37	22.25	22.37	22.34	23
15	64QAM	1	74	22.19	22.23	22.21	
15	64QAM	36	0	21.35	21.09	21.18	
15	64QAM	36	20	21.24	21.29	21.18	22
15	64QAM	36	39	21.27	21.20	21.35	
15	64QAM	75	0	21.16	21.19	21.09	
15	256QAM	1	0	18.86	18.95	19.00	
15	256QAM	1	37	18.89	18.95	18.87	20
15	256QAM	1	74	18.83	18.99	18.93	
15	256QAM	36	0	18.85	18.94	18.95	
15	256QAM	36	20	18.83	18.86	18.98	20
15	256QAM	36	39	18.99	18.93	19.00	
15	256QAM	75	0	18.99	18.96	18.83	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.06	24.32	24.11	25
10	QPSK	1	25	24.18	24.29	24.16	
10	QPSK	1	49	24.17	24.01	24.13	
10	QPSK	25	0	23.14	23.28	23.25	
10	QPSK	25	12	23.36	23.33	23.31	24
10	QPSK	25	25	23.25	23.13	23.24	
10	QPSK	50	0	23.16	23.15	23.02	
10	16QAM	1	0	23.17	23.16	23.20	
10	16QAM	1	25	23.22	23.17	23.17	24
10	16QAM	1	49	23.21	23.16	22.99	
10	16QAM	25	0	22.26	22.24	22.10	
10	16QAM	25	12	22.19	22.29	22.04	23
10	16QAM	25	25	22.24	22.30	22.23	
10	16QAM	50	0	22.21	22.22	22.15	
10	64QAM	1	0	22.32	22.46	22.24	
10	64QAM	1	25	22.23	22.25	22.30	23
10	64QAM	1	49	22.28	22.31	22.13	
10	64QAM	25	0	21.31	21.17	21.06	
10	64QAM	25	12	21.25	21.39	21.14	22
10	64QAM	25	25	21.21	21.15	21.25	
10	64QAM	50	0	21.29	21.14	21.16	
10	256QAM	1	0	18.97	18.91	18.91	
10	256QAM	1	25	18.94	19.02	18.99	20
10	256QAM	1	49	18.80	18.91	18.91	
10	256QAM	25	0	18.87	18.96	18.98	
10	256QAM	25	12	18.92	18.96	18.99	20
10	256QAM	25	25	18.93	18.83	18.95	
10	256QAM	50	0	18.92	18.95	18.86	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.06	24.26	24.18	25
5	QPSK	1	12	24.28	24.38	24.20	
5	QPSK	1	24	24.09	24.10	24.17	
5	QPSK	12	0	23.25	23.21	23.15	
5	QPSK	12	7	23.27	23.32	23.22	24
5	QPSK	12	13	23.26	23.20	23.25	
5	QPSK	25	0	23.13	23.23	23.02	
5	16QAM	1	0	23.17	23.23	23.08	
5	16QAM	1	12	23.27	23.07	23.25	24
5	16QAM	1	24	23.14	23.13	23.16	
5	16QAM	12	0	22.21	22.12	22.11	
5	16QAM	12	7	22.24	22.34	22.05	23
5	16QAM	12	13	22.29	22.29	22.19	
5	16QAM	25	0	22.13	22.15	22.24	
5	64QAM	1	0	22.27	22.36	22.28	
5	64QAM	1	12	22.34	22.24	22.28	23
5	64QAM	1	24	22.30	22.26	22.17	
5	64QAM	12	0	21.27	21.19	21.07	
5	64QAM	12	7	21.29	21.34	21.16	22
5	64QAM	12	13	21.32	21.26	21.33	
5	64QAM	25	0	21.18	21.20	21.06	
5	256QAM	1	0	18.96	18.87	18.90	
5	256QAM	1	12	18.87	18.95	18.97	20
5	256QAM	1	24	18.86	18.86	18.97	
5	256QAM	12	0	18.87	18.96	18.92	
5	256QAM	12	7	18.87	18.88	19.00	20
5	256QAM	12	13	18.98	18.84	18.96	
5	256QAM	25	0	18.94	18.97	18.82	
Channel				26065	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.10	24.25	24.16	25
3	QPSK	1	8	24.32	24.39	24.15	
3	QPSK	1	14	24.19	23.96	24.15	
3	QPSK	8	0	23.13	23.21	23.18	
3	QPSK	8	4	23.28	23.24	23.26	24
3	QPSK	8	7	23.17	23.19	23.22	
3	QPSK	15	0	23.27	23.23	23.12	
3	16QAM	1	0	23.11	23.11	23.11	
3	16QAM	1	8	23.19	23.13	23.21	24
3	16QAM	1	14	23.20	23.22	23.00	
3	16QAM	8	0	22.27	22.21	22.08	
3	16QAM	8	4	22.21	22.30	22.06	23
3	16QAM	8	7	22.23	22.33	22.20	
3	16QAM	15	0	22.27	22.29	22.23	
3	64QAM	1	0	22.32	22.40	22.30	
3	64QAM	1	8	22.31	22.28	22.25	23
3	64QAM	1	14	22.24	22.24	22.11	
3	64QAM	8	0	21.27	21.10	21.07	
3	64QAM	8	4	21.25	21.33	21.19	22
3	64QAM	8	7	21.24	21.13	21.25	
3	64QAM	15	0	21.17	21.13	21.09	
3	256QAM	1	0	18.96	18.88	18.93	
3	256QAM	1	8	18.87	18.95	18.90	20
3	256QAM	1	14	18.80	18.97	18.98	
3	256QAM	8	0	18.80	18.90	19.01	
3	256QAM	8	4	18.90	18.87	18.96	20
3	256QAM	8	7	18.86	18.80	18.91	
3	256QAM	15	0	18.94	18.94	18.91	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.14	24.24	24.09	25
1.4	QPSK	1	3	24.25	24.25	24.23	
1.4	QPSK	1	5	24.10	24.02	24.16	
1.4	QPSK	3	0	24.12	24.21	23.95	
1.4	QPSK	3	1	24.19	24.14	24.19	
1.4	QPSK	3	3	23.97	23.97	24.09	
1.4	QPSK	6	0	23.19	23.23	23.08	24
1.4	16QAM	1	0	23.24	23.19	23.06	
1.4	16QAM	1	3	23.23	23.18	23.19	
1.4	16QAM	1	5	23.21	23.25	22.94	24
1.4	16QAM	3	0	23.15	23.07	23.01	
1.4	16QAM	3	1	23.08	23.09	23.06	
1.4	16QAM	3	3	23.11	23.13	22.79	
1.4	16QAM	6	0	22.25	22.17	22.18	23
1.4	64QAM	1	0	22.30	22.47	22.34	
1.4	64QAM	1	3	22.20	22.28	22.35	
1.4	64QAM	1	5	22.26	22.35	22.19	23
1.4	64QAM	3	0	22.18	22.40	22.19	
1.4	64QAM	3	1	22.16	22.16	22.25	
1.4	64QAM	3	3	22.18	22.31	22.18	
1.4	64QAM	6	0	21.22	21.19	21.05	22
1.4	256QAM	1	0	18.87	18.94	18.91	
1.4	256QAM	1	3	18.94	18.99	18.97	
1.4	256QAM	1	5	18.82	18.92	18.88	20
1.4	256QAM	3	0	18.75	18.93	19.00	
1.4	256QAM	3	1	18.84	18.91	18.97	
1.4	256QAM	3	3	18.95	18.89	18.96	
1.4	256QAM	6	0	18.89	18.94	18.84	20

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.02	23.77	23.78	24.8
20	QPSK	1	49	24.08	24.12	24.10	
20	QPSK	1	99	23.94	23.76	23.86	
20	QPSK	50	0	23.03	23.05	22.93	
20	QPSK	50	24	23.10	23.16	23.08	23.8
20	QPSK	50	50	23.05	23.08	23.02	
20	QPSK	100	0	23.02	23.12	23.07	
20	16QAM	1	0	22.85	23.06	22.95	
20	16QAM	1	49	23.01	23.07	22.94	23.8
20	16QAM	1	99	22.92	22.97	22.98	
20	16QAM	50	0	22.13	22.05	22.04	
20	16QAM	50	24	22.11	22.13	22.07	22.8
20	16QAM	50	50	22.07	22.06	22.02	
20	16QAM	100	0	22.08	22.00	22.08	
20	64QAM	1	0	22.07	21.90	21.87	
20	64QAM	1	49	22.05	21.77	21.75	22.8
20	64QAM	1	99	21.98	21.84	21.75	
20	64QAM	50	0	21.08	21.01	21.08	
20	64QAM	50	24	21.03	21.05	20.92	21.8
20	64QAM	50	50	20.92	21.05	21.02	
20	64QAM	100	0	21.04	21.00	21.02	
20	256QAM	1	0	18.42	18.80	18.83	
20	256QAM	1	49	18.68	18.84	18.81	19.8
20	256QAM	1	99	18.75	18.84	18.76	
20	256QAM	50	0	18.67	18.75	18.78	
20	256QAM	50	24	18.79	18.74	18.81	19.8
20	256QAM	50	50	18.77	18.73	18.79	
20	256QAM	100	0	18.71	18.84	18.85	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.01	23.77	23.78	24.8
15	QPSK	1	37	23.89	23.92	23.77	
15	QPSK	1	74	23.80	23.67	23.81	
15	QPSK	36	0	23.03	22.91	22.70	
15	QPSK	36	20	23.00	23.10	23.07	23.8
15	QPSK	36	39	22.99	23.04	22.87	
15	QPSK	75	0	22.99	23.06	23.03	
15	16QAM	1	0	22.81	22.94	22.84	
15	16QAM	1	37	22.92	22.96	22.82	23.8
15	16QAM	1	74	22.89	22.83	22.96	
15	16QAM	36	0	22.07	22.04	21.99	
15	16QAM	36	20	22.00	22.06	21.94	22.8
15	16QAM	36	39	22.03	21.99	22.01	
15	16QAM	75	0	21.98	21.89	22.05	
15	64QAM	1	0	21.97	21.78	21.74	
15	64QAM	1	37	22.01	21.73	21.72	22.8
15	64QAM	1	74	21.91	21.78	21.72	
15	64QAM	36	0	21.02	21.00	20.94	
15	64QAM	36	20	20.88	20.99	20.78	21.8
15	64QAM	36	39	20.80	21.01	21.00	
15	64QAM	75	0	20.95	20.99	21.01	
15	256QAM	1	0	18.70	18.74	18.72	
15	256QAM	1	37	18.67	18.74	18.60	19.8
15	256QAM	1	74	18.66	18.71	18.74	
15	256QAM	36	0	18.66	18.64	18.65	
15	256QAM	36	20	18.70	18.63	18.80	19.8
15	256QAM	36	39	18.75	18.62	18.77	
15	256QAM	75	0	18.57	18.81	18.81	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.96	23.73	23.76	24.8
10	QPSK	1	25	24.08	24.00	23.81	
10	QPSK	1	49	23.88	23.66	23.83	
10	QPSK	25	0	22.94	22.95	22.80	
10	QPSK	25	12	22.95	23.05	22.98	23.8
10	QPSK	25	25	22.93	23.02	22.96	
10	QPSK	50	0	22.95	22.99	22.96	
10	16QAM	1	0	22.92	22.94	22.89	
10	16QAM	1	25	22.97	22.90	22.86	23.8
10	16QAM	1	49	22.85	22.83	22.84	
10	16QAM	25	0	22.08	21.94	21.96	
10	16QAM	25	12	22.09	22.12	21.99	22.8
10	16QAM	25	25	22.02	21.93	22.01	
10	16QAM	50	0	22.03	21.99	22.01	
10	64QAM	1	0	21.92	21.79	21.75	
10	64QAM	1	25	21.93	21.75	21.82	22.8
10	64QAM	1	49	21.86	21.77	21.67	
10	64QAM	25	0	21.05	20.87	20.97	
10	64QAM	25	12	20.93	20.91	20.85	21.8
10	64QAM	25	25	20.82	21.03	20.95	
10	64QAM	50	0	20.98	20.94	20.95	
10	256QAM	1	0	18.71	18.76	18.71	
10	256QAM	1	25	18.60	18.69	18.72	19.8
10	256QAM	1	49	18.60	18.75	18.63	
10	256QAM	25	0	18.66	18.69	18.72	
10	256QAM	25	12	18.74	18.71	18.79	19.8
10	256QAM	25	25	18.69	18.72	18.65	
10	256QAM	50	0	18.72	18.73	18.63	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.88	23.74	23.64	24.8
5	QPSK	1	12	23.93	23.98	23.81	
5	QPSK	1	24	23.87	23.82	23.74	
5	QPSK	12	0	22.94	22.98	22.78	
5	QPSK	12	7	23.07	23.06	23.02	23.8
5	QPSK	12	13	22.96	23.14	23.01	
5	QPSK	25	0	22.96	23.04	23.06	
5	16QAM	1	0	22.89	22.97	22.82	
5	16QAM	1	12	22.95	22.96	22.85	23.8
5	16QAM	1	24	22.85	22.87	22.87	
5	16QAM	12	0	21.98	21.97	22.01	
5	16QAM	12	7	22.08	22.11	22.05	22.8
5	16QAM	12	13	21.98	22.02	21.87	
5	16QAM	25	0	21.99	21.98	21.93	
5	64QAM	1	0	22.06	21.79	21.86	
5	64QAM	1	12	21.90	21.71	21.70	22.8
5	64QAM	1	24	21.93	21.77	21.70	
5	64QAM	12	0	20.94	20.86	21.05	
5	64QAM	12	7	20.89	20.90	20.88	21.8
5	64QAM	12	13	20.90	20.93	20.99	
5	64QAM	25	0	21.01	20.88	20.89	
5	256QAM	1	0	18.69	18.78	18.72	
5	256QAM	1	12	18.56	18.79	18.58	19.8
5	256QAM	1	24	18.74	18.71	18.61	
5	256QAM	12	0	18.52	18.61	18.63	
5	256QAM	12	7	18.64	18.68	18.66	19.8
5	256QAM	12	13	18.68	18.62	18.73	
5	256QAM	25	0	18.56	18.78	18.71	
Channel				26065	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.96	23.69	23.76	24.8
3	QPSK	1	8	23.92	24.01	23.83	
3	QPSK	1	14	23.86	23.73	23.77	
3	QPSK	8	0	22.90	23.01	22.68	
3	QPSK	8	4	22.99	23.11	22.94	23.8
3	QPSK	8	7	22.93	22.99	22.93	
3	QPSK	15	0	22.96	22.99	22.99	
3	16QAM	1	0	22.86	22.92	22.80	
3	16QAM	1	8	22.86	23.03	22.91	23.8
3	16QAM	1	14	22.80	22.93	22.84	
3	16QAM	8	0	21.90	21.93	21.93	
3	16QAM	8	4	22.10	22.11	22.06	22.8
3	16QAM	8	7	22.03	21.96	21.91	
3	16QAM	15	0	21.94	21.92	22.06	
3	64QAM	1	0	22.02	21.84	21.75	
3	64QAM	1	8	21.96	21.76	21.62	22.8
3	64QAM	1	14	21.90	21.76	21.63	
3	64QAM	8	0	20.94	20.86	21.06	
3	64QAM	8	4	21.00	20.92	20.88	21.8
3	64QAM	8	7	20.82	20.92	20.93	
3	64QAM	15	0	20.96	20.92	20.92	
3	256QAM	1	0	18.72	18.70	18.70	
3	256QAM	1	8	18.54	18.76	18.70	19.8
3	256QAM	1	14	18.60	18.79	18.63	
3	256QAM	8	0	18.56	18.60	18.75	
3	256QAM	8	4	18.67	18.61	18.77	19.8
3	256QAM	8	7	18.65	18.59	18.71	
3	256QAM	15	0	18.66	18.73	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.87	23.76	23.76	24.8
1.4	QPSK	1	3	24.03	23.99	23.77	
1.4	QPSK	1	5	23.93	23.61	23.74	
1.4	QPSK	3	0	23.80	23.81	23.73	
1.4	QPSK	3	1	24.00	23.88	23.76	
1.4	QPSK	3	3	23.81	23.57	23.73	
1.4	QPSK	6	0	22.92	23.09	23.05	23.8
1.4	16QAM	1	0	22.83	22.96	22.92	
1.4	16QAM	1	3	22.87	23.01	22.88	
1.4	16QAM	1	5	22.84	22.85	22.96	23.8
1.4	16QAM	3	0	22.75	22.87	22.83	
1.4	16QAM	3	1	22.79	22.95	22.75	
1.4	16QAM	3	3	22.77	22.81	22.81	
1.4	16QAM	6	0	22.05	21.95	21.97	22.8
1.4	64QAM	1	0	21.98	21.87	21.72	
1.4	64QAM	1	3	21.92	21.62	21.69	
1.4	64QAM	1	5	21.87	21.75	21.67	22.8
1.4	64QAM	3	0	21.91	21.78	21.77	
1.4	64QAM	3	1	21.82	21.69	21.73	
1.4	64QAM	3	3	21.75	21.71	21.70	
1.4	64QAM	6	0	20.99	20.96	20.89	21.8
1.4	256QAM	1	0	18.59	18.67	18.75	
1.4	256QAM	1	3	18.59	18.81	18.61	
1.4	256QAM	1	5	18.66	18.81	18.69	19.8
1.4	256QAM	3	0	18.59	18.61	18.77	
1.4	256QAM	3	1	18.78	18.65	18.77	
1.4	256QAM	3	3	18.62	18.62	18.67	
1.4	256QAM	6	0	18.63	18.82	18.71	19.8

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.60	23.62	23.63	24
20	QPSK	1	49	23.63	23.69	23.65	
20	QPSK	1	99	23.51	23.53	23.60	
20	QPSK	50	0	22.68	22.65	22.66	
20	QPSK	50	24	22.75	22.78	22.73	23
20	QPSK	50	50	22.66	22.67	22.67	
20	QPSK	100	0	22.70	22.73	22.68	
20	16QAM	1	0	22.85	22.80	22.87	
20	16QAM	1	49	22.95	22.94	22.90	23
20	16QAM	1	99	22.77	22.76	22.85	
20	16QAM	50	0	21.74	21.69	21.65	
20	16QAM	50	24	21.79	21.76	21.66	22
20	16QAM	50	50	21.70	21.64	21.68	
20	16QAM	100	0	21.71	21.69	21.70	
20	64QAM	1	0	21.60	21.54	21.52	
20	64QAM	1	49	21.65	21.69	21.51	22
20	64QAM	1	99	21.59	21.63	21.57	
20	64QAM	50	0	20.70	20.66	20.65	
20	64QAM	50	24	20.74	20.70	20.68	21
20	64QAM	50	50	20.69	20.66	20.67	
20	64QAM	100	0	20.69	20.68	20.70	
20	256QAM	1	0	18.40	18.38	18.40	
20	256QAM	1	49	18.38	18.35	18.40	19
20	256QAM	1	99	18.30	18.43	18.35	
20	256QAM	50	0	18.33	18.39	18.44	
20	256QAM	50	24	18.31	18.31	18.39	19
20	256QAM	50	50	18.40	18.35	18.44	
20	256QAM	100	0	18.35	18.41	18.41	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.51	23.39	23.61	24

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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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.79	23.66	23.71	25
15	QPSK	1	37	23.92	23.80	23.79	
15	QPSK	1	74	23.89	23.70	23.64	
15	QPSK	36	0	22.71	22.68	22.65	24
15	QPSK	36	20	22.88	22.82	22.80	
15	QPSK	36	39	22.84	22.78	22.59	
15	QPSK	75	0	22.80	22.78	22.77	
15	16QAM	1	0	23.14	23.01	22.88	24
15	16QAM	1	37	23.15	23.10	22.81	
15	16QAM	1	74	23.00	22.80	23.08	
15	16QAM	36	0	21.75	21.69	21.62	23
15	16QAM	36	20	21.86	21.81	21.72	
15	16QAM	36	39	21.86	21.76	21.78	
15	16QAM	75	0	21.74	21.68	21.70	
15	64QAM	1	0	21.99	21.85	22.06	23
15	64QAM	1	37	21.90	21.71	21.93	
15	64QAM	1	74	21.91	21.70	22.04	
15	64QAM	36	0	20.60	20.67	20.68	22
15	64QAM	36	20	20.79	20.80	20.91	
15	64QAM	36	39	20.84	20.77	20.82	
15	64QAM	75	0	20.84	20.75	20.76	
15	256QAM	1	0	18.53	18.53	18.54	20
15	256QAM	1	37	18.51	18.56	18.55	
15	256QAM	1	74	18.47	18.61	18.53	
15	256QAM	36	0	18.60	18.60	18.53	20
15	256QAM	36	20	18.61	18.55	18.60	
15	256QAM	36	39	18.57	18.60	18.62	
15	256QAM	75	0	18.47	18.66	18.51	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.70	23.67	23.67	25
10	QPSK	1	25	23.83	23.79	23.66	
10	QPSK	1	49	23.88	23.60	23.54	
10	QPSK	25	0	22.60	22.59	22.58	24
10	QPSK	25	12	22.81	22.77	22.73	
10	QPSK	25	25	22.72	22.77	22.57	
10	QPSK	50	0	22.69	22.73	22.67	
10	16QAM	1	0	23.02	23.04	22.83	24
10	16QAM	1	25	23.12	22.96	22.71	
10	16QAM	1	49	22.87	22.67	23.00	
10	16QAM	25	0	21.61	21.66	21.60	23
10	16QAM	25	12	21.75	21.76	21.59	
10	16QAM	25	25	21.82	21.75	21.76	
10	16QAM	50	0	21.61	21.54	21.57	
10	64QAM	1	0	21.88	21.81	21.91	23
10	64QAM	1	25	21.77	21.69	21.82	
10	64QAM	1	49	21.84	21.58	21.96	
10	64QAM	25	0	20.47	20.53	20.65	22
10	64QAM	25	12	20.74	20.72	20.80	
10	64QAM	25	25	20.82	20.72	20.78	
10	64QAM	50	0	20.78	20.64	20.61	
10	256QAM	1	0	18.46	18.39	18.52	20
10	256QAM	1	25	18.48	18.42	18.52	
10	256QAM	1	49	18.42	18.48	18.41	
10	256QAM	25	0	18.52	18.53	18.46	20
10	256QAM	25	12	18.59	18.40	18.50	
10	256QAM	25	25	18.55	18.59	18.57	
10	256QAM	50	0	18.44	18.54	18.42	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.66	23.61	23.59	25
5	QPSK	1	12	23.78	23.70	23.77	
5	QPSK	1	24	23.76	23.58	23.62	
5	QPSK	12	0	22.66	22.57	22.63	24
5	QPSK	12	7	22.75	22.68	22.68	
5	QPSK	12	13	22.80	22.75	22.46	
5	QPSK	25	0	22.75	22.66	22.66	
5	16QAM	1	0	23.08	23.04	22.87	24
5	16QAM	1	12	23.08	22.99	22.73	
5	16QAM	1	24	22.93	22.67	22.99	
5	16QAM	12	0	21.74	21.68	21.58	23
5	16QAM	12	7	21.77	21.72	21.65	
5	16QAM	12	13	21.81	21.64	21.70	
5	16QAM	25	0	21.59	21.56	21.66	
5	64QAM	1	0	21.86	21.73	22.02	23
5	64QAM	1	12	21.84	21.66	21.81	
5	64QAM	1	24	21.83	21.55	22.02	
5	64QAM	12	0	20.45	20.62	20.61	22
5	64QAM	12	7	20.74	20.76	20.78	
5	64QAM	12	13	20.78	20.72	20.70	
5	64QAM	25	0	20.74	20.71	20.72	
5	256QAM	1	0	18.44	18.48	18.43	20
5	256QAM	1	12	18.37	18.53	18.49	
5	256QAM	1	24	18.39	18.51	18.39	
5	256QAM	12	0	18.48	18.48	18.41	20
5	256QAM	12	7	18.49	18.50	18.54	
5	256QAM	12	13	18.52	18.53	18.51	
5	256QAM	25	0	18.34	18.59	18.44	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.66	23.64	23.62	25
3	QPSK	1	8	23.87	23.69	23.74	
3	QPSK	1	14	23.74	23.56	23.55	
3	QPSK	8	0	22.56	22.62	22.51	24
3	QPSK	8	4	22.79	22.72	22.71	
3	QPSK	8	7	22.79	22.65	22.57	
3	QPSK	15	0	22.71	22.62	22.69	
3	16QAM	1	0	23.01	22.92	22.84	24
3	16QAM	1	8	23.14	22.95	22.68	
3	16QAM	1	14	22.91	22.75	23.06	
3	16QAM	8	0	21.71	21.65	21.59	23
3	16QAM	8	4	21.84	21.78	21.68	
3	16QAM	8	7	21.72	21.65	21.75	
3	16QAM	15	0	21.65	21.57	21.68	
3	64QAM	1	0	21.87	21.74	21.99	23
3	64QAM	1	8	21.81	21.61	21.88	
3	64QAM	1	14	21.79	21.59	22.02	
3	64QAM	8	0	20.48	20.60	20.65	22
3	64QAM	8	4	20.72	20.69	20.67	
3	64QAM	8	7	20.83	20.66	20.80	
3	64QAM	15	0	20.82	20.74	20.63	
3	256QAM	1	0	18.44	18.38	18.48	20
3	256QAM	1	8	18.45	18.54	18.52	
3	256QAM	1	14	18.37	18.47	18.41	
3	256QAM	8	0	18.58	18.56	18.39	20
3	256QAM	8	4	18.54	18.49	18.59	
3	256QAM	8	7	18.44	18.47	18.47	
3	256QAM	15	0	18.42	18.63	18.46	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.74	23.56	23.57	25
1.4	QPSK	1	3	23.79	23.67	23.70	
1.4	QPSK	1	5	23.79	23.59	23.63	
1.4	QPSK	3	0	23.69	23.51	23.54	
1.4	QPSK	3	1	23.70	23.65	23.66	
1.4	QPSK	3	3	23.76	23.45	23.57	
1.4	QPSK	6	0	22.68	22.73	22.66	24
1.4	16QAM	1	0	23.11	22.99	22.90	24
1.4	16QAM	1	3	23.12	22.97	22.84	
1.4	16QAM	1	5	22.94	22.88	23.05	
1.4	16QAM	3	0	23.08	22.85	22.73	
1.4	16QAM	3	1	22.98	22.96	22.84	
1.4	16QAM	3	3	22.86	22.79	22.97	
1.4	16QAM	6	0	21.62	21.58	21.68	23
1.4	64QAM	1	0	21.98	21.83	22.00	23
1.4	64QAM	1	3	21.77	21.69	21.87	
1.4	64QAM	1	5	21.83	21.66	21.89	
1.4	64QAM	3	0	21.87	21.72	21.92	
1.4	64QAM	3	1	21.68	21.80	21.82	
1.4	64QAM	3	3	21.74	21.82	21.84	
1.4	64QAM	6	0	20.74	20.60	20.68	22
1.4	256QAM	1	0	18.51	18.52	18.44	20
1.4	256QAM	1	3	18.50	18.43	18.40	
1.4	256QAM	1	5	18.42	18.49	18.45	
1.4	256QAM	3	0	18.47	18.51	18.44	
1.4	256QAM	3	1	18.47	18.39	18.53	
1.4	256QAM	3	3	18.42	18.45	18.58	
1.4	256QAM	6	0	18.38	18.51	18.46	20

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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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.84	23.80	23.61	24.8
15	QPSK	1	37	23.88	23.82	23.75	
15	QPSK	1	74	23.80	23.56	23.60	
15	QPSK	36	0	22.71	22.69	22.60	23.8
15	QPSK	36	20	22.89	22.84	22.75	
15	QPSK	36	39	22.78	22.74	22.70	
15	QPSK	75	0	22.83	22.74	22.68	
15	16QAM	1	0	22.79	22.70	22.64	23.8
15	16QAM	1	37	22.67	22.65	22.60	
15	16QAM	1	74	22.69	22.64	22.56	
15	16QAM	36	0	21.66	21.68	21.57	22.8
15	16QAM	36	20	21.87	21.76	21.78	
15	16QAM	36	39	21.82	21.75	21.76	
15	16QAM	75	0	21.88	21.68	21.64	
15	64QAM	1	0	21.90	21.96	21.83	22.8
15	64QAM	1	37	21.96	21.67	21.77	
15	64QAM	1	74	21.78	21.76	21.88	
15	64QAM	36	0	20.75	20.67	20.63	21.8
15	64QAM	36	20	20.87	20.71	20.69	
15	64QAM	36	39	20.88	20.70	20.75	
15	64QAM	75	0	20.90	20.82	20.80	
15	256QAM	1	0	18.56	18.49	18.50	19.8
15	256QAM	1	37	18.49	18.57	18.53	
15	256QAM	1	74	18.51	18.56	18.46	
15	256QAM	36	0	18.56	18.54	18.56	19.8
15	256QAM	36	20	18.55	18.52	18.52	
15	256QAM	36	39	18.61	18.58	18.55	
15	256QAM	75	0	18.55	18.55	18.51	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.50	23.49	23.51	24.8
10	QPSK	1	25	23.81	23.78	23.71	
10	QPSK	1	49	23.74	23.48	23.51	
10	QPSK	25	0	22.60	22.60	22.53	23.8
10	QPSK	25	12	22.87	22.82	22.65	
10	QPSK	25	25	22.65	22.64	22.61	
10	QPSK	50	0	22.70	22.62	22.57	
10	16QAM	1	0	22.76	22.62	22.50	23.8
10	16QAM	1	25	22.60	22.64	22.47	
10	16QAM	1	49	22.63	22.53	22.41	
10	16QAM	25	0	21.52	21.54	21.51	22.8
10	16QAM	25	12	21.81	21.63	21.74	
10	16QAM	25	25	21.72	21.66	21.75	
10	16QAM	50	0	21.74	21.58	21.57	
10	64QAM	1	0	21.83	21.95	21.71	22.8
10	64QAM	1	25	21.86	21.65	21.66	
10	64QAM	1	49	21.66	21.66	21.82	
10	64QAM	25	0	20.71	20.63	20.49	21.8
10	64QAM	25	12	20.75	20.66	20.57	
10	64QAM	25	25	20.79	20.56	20.74	
10	64QAM	50	0	20.83	20.74	20.70	
10	256QAM	1	0	18.47	18.34	18.46	19.8
10	256QAM	1	25	18.43	18.47	18.44	
10	256QAM	1	49	18.49	18.45	18.40	
10	256QAM	25	0	18.52	18.43	18.43	19.8
10	256QAM	25	12	18.47	18.49	18.37	
10	256QAM	25	25	18.49	18.49	18.52	
10	256QAM	50	0	18.52	18.51	18.45	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.79	23.77	23.59	24.8
5	QPSK	1	12	23.82	23.73	23.63	
5	QPSK	1	24	23.70	23.42	23.58	
5	QPSK	12	0	22.63	22.55	22.49	23.8
5	QPSK	12	7	22.74	22.75	22.74	
5	QPSK	12	13	22.65	22.66	22.59	
5	QPSK	25	0	22.72	22.63	22.62	
5	16QAM	1	0	22.65	22.58	22.57	23.8
5	16QAM	1	12	22.66	22.56	22.50	
5	16QAM	1	24	22.57	22.60	22.45	
5	16QAM	12	0	21.51	21.59	21.45	22.8
5	16QAM	12	7	21.79	21.66	21.63	
5	16QAM	12	13	21.78	21.66	21.65	
5	16QAM	25	0	21.73	21.60	21.55	
5	64QAM	1	0	21.88	21.93	21.78	22.8
5	64QAM	1	12	21.85	21.52	21.72	
5	64QAM	1	24	21.71	21.62	21.77	
5	64QAM	12	0	20.74	20.62	20.50	21.8
5	64QAM	12	7	20.82	20.65	20.57	
5	64QAM	12	13	20.76	20.55	20.63	
5	64QAM	25	0	20.84	20.80	20.77	
5	256QAM	1	0	18.51	18.37	18.46	19.8
5	256QAM	1	12	18.42	18.50	18.52	
5	256QAM	1	24	18.42	18.45	18.37	
5	256QAM	12	0	18.45	18.45	18.49	19.8
5	256QAM	12	7	18.51	18.47	18.45	
5	256QAM	12	13	18.55	18.54	18.49	
5	256QAM	25	0	19.47	18.41	18.36	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.69	23.67	23.46	24.8
3	QPSK	1	8	23.77	23.77	23.67	
3	QPSK	1	14	23.74	23.41	23.54	
3	QPSK	8	0	22.59	22.67	22.56	23.8
3	QPSK	8	4	22.74	22.83	22.70	
3	QPSK	8	7	22.64	22.68	22.69	
3	QPSK	15	0	22.80	22.62	22.63	
3	16QAM	1	0	22.72	22.67	22.62	23.8
3	16QAM	1	8	22.63	22.53	22.50	
3	16QAM	1	14	22.54	22.52	22.55	
3	16QAM	8	0	21.56	21.62	21.54	22.8
3	16QAM	8	4	21.83	21.63	21.74	
3	16QAM	8	7	21.71	21.64	21.63	
3	16QAM	15	0	21.83	21.66	21.57	
3	64QAM	1	0	21.76	21.88	21.73	22.8
3	64QAM	1	8	21.94	21.60	21.70	
3	64QAM	1	14	21.74	21.63	21.85	
3	64QAM	8	0	20.74	20.53	20.62	21.8
3	64QAM	8	4	20.80	20.61	20.66	
3	64QAM	8	7	20.80	20.58	20.74	
3	64QAM	15	0	20.78	20.81	20.68	
3	256QAM	1	0	18.45	18.45	18.36	19.8
3	256QAM	1	8	18.40	18.49	18.52	
3	256QAM	1	14	18.38	18.52	18.39	
3	256QAM	8	0	18.47	18.53	18.52	19.8
3	256QAM	8	4	18.54	18.42	18.38	
3	256QAM	8	7	18.47	18.52	18.49	
3	256QAM	15	0	18.46	18.42	18.37	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.79	23.78	23.54	24.8
1.4	QPSK	1	3	23.75	23.69	23.64	
1.4	QPSK	1	5	23.75	23.46	23.57	
1.4	QPSK	3	0	23.71	23.77	23.46	
1.4	QPSK	3	1	23.70	23.68	23.53	
1.4	QPSK	3	3	23.72	23.39	23.53	
1.4	QPSK	6	0	22.74	22.64	22.65	23.8
1.4	16QAM	1	0	22.70	22.64	22.56	23.8
1.4	16QAM	1	3	22.61	22.59	22.52	
1.4	16QAM	1	5	22.58	22.63	22.47	
1.4	16QAM	3	0	22.69	22.53	22.52	
1.4	16QAM	3	1	22.52	22.53	22.43	
1.4	16QAM	3	3	22.50	22.59	22.35	
1.4	16QAM	6	0	21.79	21.65	21.55	22.8
1.4	64QAM	1	0	21.95	21.95	21.80	22.8
1.4	64QAM	1	3	21.88	21.55	21.65	
1.4	64QAM	1	5	21.67	21.61	21.82	
1.4	64QAM	3	0	21.75	21.93	21.74	
1.4	64QAM	3	1	21.74	21.49	21.50	
1.4	64QAM	3	3	21.58	21.52	21.77	
1.4	64QAM	6	0	20.85	20.74	20.67	21.8
1.4	256QAM	1	0	18.48	18.46	18.49	19.8
1.4	256QAM	1	3	18.39	18.51	18.44	
1.4	256QAM	1	5	18.50	18.48	18.34	
1.4	256QAM	3	0	18.54	18.47	18.41	
1.4	256QAM	3	1	18.41	18.38	18.42	
1.4	256QAM	3	3	18.53	18.57	18.54	
1.4	256QAM	6	0	18.52	18.47	18.36	19.8

Band 30_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.32		24.8
10	QPSK	1	25		24.40		
10	QPSK	1	49		24.35		
10	QPSK	25	0		23.44		23.8
10	QPSK	25	12		23.45		
10	QPSK	25	25		23.39		
10	QPSK	50	0		23.39		
10	16QAM	1	0		23.36		23.8
10	16QAM	1	25		23.37		
10	16QAM	1	49		23.35		
10	16QAM	25	0		22.52		22.8
10	16QAM	25	12		22.50		
10	16QAM	25	25		22.34		
10	16QAM	50	0		22.40		
10	64QAM	1	0		22.46		22.8
10	64QAM	1	25		22.28		
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.44		21.8
10	64QAM	25	12		21.50		
10	64QAM	25	25		21.42		
10	64QAM	50	0		21.32		
10	256QAM	1	0		19.30		19.8
10	256QAM	1	25		19.38		
10	256QAM	1	49		19.29		
10	256QAM	25	0		19.26		19.8
10	256QAM	25	12		19.27		
10	256QAM	25	25		19.25		
10	256QAM	50	0		19.26		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	24.21	24.17	24.21	24.8
5	QPSK	1	12	24.33	24.25	24.28	
5	QPSK	1	24	24.28	24.31	24.30	
5	QPSK	12	0	23.31	23.41	23.43	23.8
5	QPSK	12	7	23.32	23.32	23.31	
5	QPSK	12	13	23.37	23.24	23.31	
5	QPSK	25	0	23.30	23.24	23.35	
5	16QAM	1	0	23.27	23.35	23.21	23.8
5	16QAM	1	12	23.29	23.34	23.28	
5	16QAM	1	24	23.32	23.28	23.24	
5	16QAM	12	0	22.42	22.38	22.46	22.8
5	16QAM	12	7	22.44	22.35	22.39	
5	16QAM	12	13	22.32	22.22	22.33	
5	16QAM	25	0	22.32	22.29	22.37	
5	64QAM	1	0	22.36	22.35	22.39	22.8
5	64QAM	1	12	22.15	22.27	22.21	
5	64QAM	1	24	22.24	22.21	22.19	
5	64QAM	12	0	21.40	21.36	21.41	21.8
5	64QAM	12	7	21.49	21.45	21.40	
5	64QAM	12	13	21.35	21.38	21.31	
5	64QAM	25	0	21.31	21.21	21.29	
5	256QAM	1	0	19.17	19.20	19.15	19.8
5	256QAM	1	12	19.36	19.31	19.34	
5	256QAM	1	24	19.23	19.26	19.18	
5	256QAM	12	0	19.25	19.14	19.23	19.8
5	256QAM	12	7	19.23	19.19	19.17	
5	256QAM	12	13	19.16	19.23	19.14	
5	256QAM	25	0	19.12	19.24	19.25	

Band 30_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)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.59		23.8
10	QPSK	1	25		23.60		
10	QPSK	1	49		23.57		
10	QPSK	25	0		22.50		22.8
10	QPSK	25	12		22.58		
10	QPSK	25	25		22.55		
10	QPSK	50	0		22.56		
10	16QAM	1	0		22.55		22.8
10	16QAM	1	25		22.41		
10	16QAM	1	49		22.46		
10	16QAM	25	0		21.58		21.8
10	16QAM	25	12		21.70		
10	16QAM	25	25		21.59		
10	16QAM	50	0		21.50		
10	64QAM	1	0		21.65		21.8
10	64QAM	1	25		21.47		
10	64QAM	1	49		21.49		
10	64QAM	25	0		20.52		20.8
10	64QAM	25	12		20.57		
10	64QAM	25	25		20.55		
10	64QAM	50	0		20.57		
10	256QAM	1	0		18.41		18.8
10	256QAM	1	25		18.43		
10	256QAM	1	49		18.45		
10	256QAM	25	0		18.39		18.8
10	256QAM	25	12		18.46		
10	256QAM	25	25		18.44		
10	256QAM	50	0		18.46		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.56	23.45	23.57	23.8
5	QPSK	1	12	23.48	23.54	23.56	
5	QPSK	1	24	23.53	23.56	23.45	
5	QPSK	12	0	22.48	22.35	22.43	22.8
5	QPSK	12	7	22.49	22.51	22.54	
5	QPSK	12	13	22.51	22.40	22.53	
5	QPSK	25	0	22.53	22.48	22.51	
5	16QAM	1	0	22.42	22.46	22.52	22.8
5	16QAM	1	12	22.35	22.30	22.38	
5	16QAM	1	24	22.45	22.42	22.44	
5	16QAM	12	0	21.57	21.49	21.48	21.8
5	16QAM	12	7	21.59	21.59	21.59	
5	16QAM	12

Band 30_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.47		23.8
10	QPSK	1	25		22.52		
10	QPSK	1	49		22.45		
10	QPSK	25	0		21.98		22.8
10	QPSK	25	12		22.02		
10	QPSK	25	25		22.00		
10	QPSK	50	0		21.92		
10	16QAM	1	0		22.00		22.8
10	16QAM	1	25		21.96		
10	16QAM	1	49		22.00		
10	16QAM	25	0		20.88		21.8
10	16QAM	25	12		20.78		
10	16QAM	25	25		20.85		
10	16QAM	50	0		20.78		
10	64QAM	1	0		20.84		21.8
10	64QAM	1	25		20.81		
10	64QAM	1	49		20.80		
10	64QAM	25	0		19.82		20.8
10	64QAM	25	12		19.80		
10	64QAM	25	25		19.71		
10	64QAM	50	0		19.77		
10	256QAM	1	0		18.20		18.8
10	256QAM	1	25		18.06		
10	256QAM	1	49		18.13		
10	256QAM	25	0		17.70		18.8
10	256QAM	25	12		17.64		
10	256QAM	25	25		17.60		
10	256QAM	50	0		17.57		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.39	22.42	22.44	23.8
5	QPSK	1	12	22.44	22.47	22.48	
5	QPSK	1	24	22.33	22.34	22.38	
5	QPSK	12	0	21.83	21.90	21.91	22.8
5	QPSK	12	7	21.94	21.93	21.98	
5	QPSK	12	13	21.87	21.93	21.94	
5	QPSK	25	0	21.91	21.79	21.79	
5	16QAM	1	0	21.88	21.85	21.86	22.8
5	16QAM	1	12	21.95	21.86	21.84	
5	16QAM	1	24	21.85	21.88	21.95	
5	16QAM	12	0	20.80	20.84	20.85	21.8
5	16QAM	12	7	20.67	20.72	20.67	
5	16QAM	12	13	20.75	20.78	20.82	
5	16QAM	25	0	20.65	20.70	20.76	
5	64QAM	1	0	20.75	20.83	20.79	21.8
5	64QAM	1	12	20.80	20.73	20.73	
5	64QAM	1	24	20.79	20.74	20.71	
5	64QAM	12	0	19.68	19.70	19.81	20.8
5	64QAM	12	7	19.67	19.73	19.69	
5	64QAM	12	13	19.66	19.61	19.67	
5	64QAM	25	0	19.62	19.70	19.74	
5	256QAM	1	0	18.06	18.17	18.05	18.8
5	256QAM	1	12	18.00	18.00	18.00	
5	256QAM	1	24	17.99	18.03	17.98	
5	256QAM	12	0	17.58	17.66	17.59	18.8
5	256QAM	12	7	17.59	17.51	17.55	
5	256QAM	12	13	17.55	17.53	17.46	
5	256QAM	25	0	17.47	17.44	17.45	

Band 30_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.20		24.3
10	QPSK	1	25		23.27		
10	QPSK	1	49		23.24		
10	QPSK	25	0		22.49		23.3
10	QPSK	25	12		22.52		
10	QPSK	25	25		22.42		
10	QPSK	50	0		22.40		
10	16QAM	1	0		22.50		23.3
10	16QAM	1	25		22.51		
10	16QAM	1	49		22.46		
10	16QAM	25	0		21.53		22.3
10	16QAM	25	12		21.52		
10	16QAM	25	25		21.43		
10	16QAM	50	0		21.46		
10	64QAM	1	0		21.30		22.3
10	64QAM	1	25		21.15		
10	64QAM	1	49		21.22		
10	64QAM	25	0		20.50		21.3
10	64QAM	25	12		20.35		
10	64QAM	25	25		20.45		
10	64QAM	50	0		20.39		
10	256QAM	1	0		18.55		19.3
10	256QAM	1	25		18.48		
10	256QAM	1	49		18.52		
10	256QAM	25	0		18.30		19.3
10	256QAM	25	12		18.27		
10	256QAM	25	25		18.21		
10	256QAM	50	0		18.25		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.08	23.10	23.05	24.3
5	QPSK	1	12	23.19	23.25	23.16	
5	QPSK	1	24	23.16	23.19	23.03	
5	QPSK	12	0	22.30	22.37	22.33	23.3
5	QPSK	12	7	22.39	22.38	22.40	
5	QPSK	12	13	22.23	22.34	22.26	
5	QPSK	25	0	22.29	22.34	22.30	
5	16QAM	1	0	22.35	22.48	22.36	23.3
5	16QAM	1	12	22.32	22.37	22.35	
5	16QAM	1	24	22.29	22.33	22.23	
5	16QAM	12	0	21.38	21.52	21.42	22.3
5	16QAM	12	7	21.36	21.40	21.34	
5	16QAM	12	13	21.36	21.34	21.20	
5	16QAM	25	0	21.21	21.43	21.36	
5	64QAM	1	0	21.17	21.29	21.12	22.3
5	64QAM	1	12	20.96	21.00	21.11	
5	64QAM	1	24	21.09	21.18	21.12	
5	64QAM	12	0	20.34	20.43	20.25	21.3
5	64QAM	12	7	20.29	20.26	20.23	
5	64QAM	12	13	20.19	20.40	20.40	
5	64QAM	25	0	20.32	20.38	20.13	
5	256QAM	1	0	18.45	18.52	18.36	19.3
5	256QAM	1	12	18.21	18.36	18.25	
5	256QAM	1	24	18.42	18.42	18.43	
5	256QAM	12	0	18.13	18.19	18.13	19.3
5	256QAM	12	7	18.15	18.26	18.14	
5	256QAM	12	13	17.97	18.17	18.03	
5	256QAM	25	0	18.14	18.11	18.09	

Band 66_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.20	24.16	24.23	25
20	QPSK	1	49	24.28	24.33	24.32	
20	QPSK	1	99	24.02	24.00	24.16	
20	QPSK	50	0	23.20	23.28	23.25	24
20	QPSK	50	24	23.24	23.31	23.30	
20	QPSK	50	50	23.23	23.21	23.26	
20	QPSK	100	0	23.17	23.24	23.18	
20	16QAM	1	0	23.17	23.17	23.29	24
20	16QAM	1	49	23.15	23.12	23.15	
20	16QAM	1	99	23.12	23.09	23.09	
20	16QAM	50	0	22.20	22.25	22.40	23
20	16QAM	50	24	22.36	22.33	22.31	
20	16QAM	50	50	22.13	22.28	22.25	
20	16QAM	100	0	22.26	22.26	22.19	
20	64QAM	1	0	22.23	22.31	22.26	23
20	64QAM	1	49	22.03	22.17	22.10	
20	64QAM	1	99	22.24	22.19	22.10	
20	64QAM	50	0	21.23	21.34	21.21	22
20	64QAM	50	24	21.24	21.32	21.20	
20	64QAM	50	50	21.09	21.29	21.19	
20	64QAM	100	0	21.26	21.23	21.22	
20	256QAM	1	0	19.21	19.25	19.07	20
20	256QAM	1	49	19.16	19.15	19.07	
20	256QAM	1	99	19.10	19.23	19.07	
20	256QAM	50	0	19.11	19.13	19.08	20
20	256QAM	50	24	19.12	19.16	19.21	
20	256QAM	50	50	19.12	19.27	19.21	
20	256QAM	100	0	19.19	19.26	19.09	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.09	24.12	24.21	25
15	QPSK	1	37	24.15	24.20	24.28	
15	QPSK	1	74	23.89	23.93	24.13	
15	QPSK	36	0	23.12	23.24	23.15	24
15	QPSK	36	20	23.22	23.16	23.19	
15	QPSK	36	39	23.19	23.17	23.20	
15	QPSK	75	0	23.11	23.09	23.12	
15	16QAM	1	0	23.03	23.06	23.15	24
15	16QAM	1	37	23.12	23.07	23.04	
15	16QAM	1	74	23.00	22.98	23.08	
15	16QAM	36	0	22.09	22.22	22.32	23
15	16QAM	36	20	22.20	22.25	22.22	
15	16QAM	36	39	22.04	22.24	22.21	
15	16QAM	75	0	22.11	22.22	22.16	
15	64QAM	1	0	22.09	22.21	22.08	23
15	64QAM	1	37	22.19	22.22	22.01	
15	64QAM	1	74	22.23	22.17	22.05	
15	64QAM	36	0	21.21	21.31	21.07	22
15	64QAM	36	20	21.11	21.23	21.06	
15	64QAM	36	39	21.07	21.16	21.08	
15	64QAM	75	0	21.12	21.12	21.20	
15	256QAM	1	0	19.15	19.21	19.00	20
15	256QAM	1	37	19.01	19.05	19.05	
15	256QAM	1	74	18.97	19.10	18.93	
15	256QAM	36	0	19.05	19.08	19.04	20
15	256QAM	36	20	19.20	19.05	19.10	
15	256QAM	36	39	19.03	19.26	19.10	
15	256QAM	75	0	19.10	19.11	19.05	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.18	24.01	24.09	25
10	QPSK	1	25	24.13	24.26	24.28	
10	QPSK	1	49	24.01	23.96	24.07	
10	QPSK	25	0	23.13	23.16	23.13	24
10	QPSK	25	12	23.23	23.18	23.26	
10	QPSK	25	25	23.21	23.10	23.12	
10	QPSK	50	0	23.16	23.20	23.11	
10	16QAM	1	0	23.10	23.07	23.26	24
10	16QAM	1	25	23.05	22.97	23.00	
10	16QAM	1	49	23.08	23.08	23.06	
10	16QAM	25	0	22.11	22.16	22.38	23
10	16QAM	25	12	22.29	22.27	22.24	
10	16QAM	25	25	22.12	22.17	22.20	
10	16QAM	50	0	22.23	22.16	22.05	
10	64QAM	1	0	22.15	22.16	22.09	23
10	64QAM	1	25	21.96	22.07	21.96	
10	64QAM	1	49	22.21	22.17	22.03	
10	64QAM	25	0	21.21	21.22	21.13	22
10	64QAM	25	12	21.13	21.20	21.07	
10	64QAM	25	25	21.02	21.22	21.12	
10	64QAM	50	0	21.17	21.14	21.12	
10	256QAM	1	0	19.06	19.18	18.93	20
10	256QAM	1	25	19.05	19.02	19.03	
10	256QAM	1	49	18.97	19.15	18.96	
10	256QAM	25	0	19.05	19.04	18.94	20
10	256QAM	25	12	19.21	19.08	19.08	
10	256QAM	25	25	19.06	19.15	19.12	
10	256QAM	50	0	19.11	19.23	19.02	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.07	24.03	24.10	25
5	QPSK	1	12	24.26	24.32	24.31	
5	QPSK	1	24	23.90	23.96	24.05	
5	QPSK	12	0	23.12	23.21	23.20	24
5	QPSK	12	7	23.09	23.25	23.19	
5	QPSK	12	13	23.12	23.11	23.11	
5	QPSK	25	0	23.07	23.16	23.12	
5	16QAM	1	0	23.03	23.09	23.25	24
5	16QAM	1	12	23.02	23.08	23.01	
5	16QAM	1	24	22.98	22.96	22.95	
5	16QAM	12	0	22.14	22.11	22.32	23
5	16QAM	12	7	22.28	22.23	22.22	
5	16QAM	12	13	21.98	22.19	22.12	
5	16QAM	25	0	22.20	22.22	22.14	
5	64QAM	1	0	22.11	22.29	22.06	23
5	64QAM	1	12	21.93	22.11	22.07	
5	64QAM	1	24	22.10	22.13	22.07	
5	64QAM	12	0	21.21	21.31	21.08	22
5	64QAM	12	7	21.15	21.19	21.15	
5	64QAM	12	13	20.96	21.25	21.10	
5	64QAM	25	0	21.16	21.15	21.17	
5	256QAM	1	0	19.17	19.21	18.96	20
5	256QAM	1	12	18.99	19.14	19.02	
5	256QAM	1	24	19.01	19.15	19.03	
5	256QAM	12	0	18.97	19.12	18.94	20
5	256QAM	12	7	19.07	19.08	19.16	
5	256QAM	12	13	19.07	19.17	19.15	
5	256QAM	25	0	19.12	19.20	19.00	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.18	24.04	24.11	25
3	QPSK	1	8	24.26	24.18	24.17	
3	QPSK	1	14	23.96	23.91	24.07	
3	QPSK	8	0	23.05	23.15	23.13	24
3	QPSK	8	4	23.14	23.19	23.26	
3	QPSK	8	7	23.11	23.15	23.11	
3	QPSK	15	0	23.02	23.13	23.10	
3	16QAM	1	0	23.02	23.04	23.21	24
3	16QAM	1	8	23.07	23.09	23.08	
3	16QAM	1	14	23.09	23.01	22.97	
3	16QAM	8	0	22.06	22.24	22.29	23
3	16QAM	8	4	22.23	22.19	22.21	
3	16QAM	8	7	22.02	22.14	22.13	
3	16QAM	15	0	22.25	22.24	22.05	
3	64QAM	1	0	22.17	22.17	22.19	23
3	64QAM	1	8	21.88	22.13	22.07	
3	64QAM	1	14	22.20	22.12	21.99	
3	64QAM	8	0	21.19	21.24	21.15	22
3	64QAM	8	4	21.16	21.30	21.12	
3	64QAM	8	7	20.99	21.23	21.16	
3	64QAM	15	0	21.11	21.17	21.09	
3	256QAM	1	0	19.09	19.16	18.93	20
3	256QAM	1	8	19.09	19.13	18.97	
3	256QAM	1	14	19.00	19.10	18.99	
3	256QAM	8	0	18.99	19.11	18.99	20
3	256QAM	8	4	19.14	19.14	19.07	
3	256QAM	8	7	19.10	19.18	19.12	
3	256QAM	15	0	19.17	19.25	18.95	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.16	24.14	24.22	25
1.4	QPSK	1	3	24.16	24.21	24.20	
1.4	QPSK	1	5	23.91	23.93	24.01	
1.4	QPSK	3	0	24.02	24.02	24.10	
1.4	QPSK	3	1	24.02	24.08	24.13	
1.4	QPSK	3	3	23.88	23.82	23.90	
1.4	QPSK	6	0	23.06	23.17	23.12	24
1.4	16QAM	1	0	23.11	23.13	23.15	24
1.4	16QAM	1	3	23.09	23.10	23.12	
1.4	16QAM	1	5	22.98	23.00	22.97	
1.4	16QAM	3	0	23.03	22.99	23.14	
1.4	16QAM	3	1	22.99	22.98	23.09	
1.4	16QAM	3	3	22.97	22.95	22.93	
1.4	16QAM	6	0	22.25	22.16	22.12	23
1.4	64QAM	1	0	22.16	22.21	22.17	
1.4	64QAM	1	3	21.96	22.04	22.00	
1.4	64QAM	1	5	22.21	22.14	22.09	23
1.4	64QAM	3	0	22.13	22.14	22.09	
1.4	64QAM	3	1	21.90	21.98	21.86	
1.4	64QAM	3	3	22.17	22.04	22.08	
1.4	64QAM	6	0	21.20	21.16	21.15	22
1.4	256QAM	1	0	19.12	19.10	18.95	20
1.4	256QAM	1	3	19.11	19.01	19.03	
1.4	256QAM	1	5	19.04	19.14	19.05	
1.4	256QAM	3	0	19.07	19.12	19.02	
1.4	256QAM	3	1	19.11	19.08	19.11	
1.4	256QAM	3	3	19.01	19.25	19.07	
1.4	256QAM	6	0	19.12	19.17	19.05	20

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.27	24.36	24.24	24.8
20	QPSK	1	49	24.30	24.44	24.28	
20	QPSK	1	99	24.20	24.38	24.25	
20	QPSK	50	0	23.12	23.07	23.05	23.8
20	QPSK	50	24	23.15	23.18	23.12	
20	QPSK	50	50	23.10	23.04	23.10	
20	QPSK	100	0	23.05	23.06	23.03	
20	16QAM	1	0	23.03	23.12	23.03	23.8
20	16QAM	1	49	23.02	22.96	22.97	
20	16QAM	1	99	22.96	23.02	22.95	
20	16QAM	50	0	22.14	21.99	22.14	22.8
20	16QAM	50	24	22.07	22.16	22.09	
20	16QAM	50	50	22.19	22.04	22.02	
20	16QAM	100	0	22.03	22.14	22.05	
20	64QAM	1	0	22.02	22.14	22.06	22.8
20	64QAM	1	49	22.05	21.98	21.88	
20	64QAM	1	99	21.89	22.00	21.92	
20	64QAM	50	0	21.29	20.99	21.14	21.8
20	64QAM	50	24	21.07	21.19	21.13	
20	64QAM	50	50	21.08	21.01	21.09	
20	64QAM	100	0	21.16	21.09	21.04	
20	256QAM	1	0	19.27	19.24	19.18	19.8
20	256QAM	1	49	19.14	19.17	19.16	
20	256QAM	1	99	19.14	19.17	19.15	
20	256QAM	50	0	19.16	19.23	19.07	19.8
20	256QAM	50	24	19.27	19.24	19.20	
20	256QAM	50	50	19.19	19.19	19.07	
20	256QAM	100	0	19.24	19.16	19.11	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.35	24.12	24.12	24.8
15	QPSK	1	37	24.42	24.23	24.18	
15	QPSK	1	74	24.25	24.07	24.20	
15	QPSK	36	0	22.92	22.97	22.99	23.8
15	QPSK	36	20	23.15	23.09	22.98	
15	QPSK	36	39	23.00	23.03	22.97	
15	QPSK	75	0	23.05	23.02	23.00	
15	16QAM	1	0	23.05	22.94	22.98	23.8
15	16QAM	1	37	22.86	22.87	22.91	
15	16QAM	1	74	22.93	22.83	22.89	
15	16QAM	36	0	21.86	22.12	22.07	22.8
15	16QAM	36	20	22.12	21.97	22.06	
15	16QAM	36	39	21.96	22.07	21.99	
15	16QAM	75	0	22.03	21.90	21.91	
15	64QAM	1	0	21.99	21.99	22.04	22.8
15	64QAM	1	37	21.95	21.92	21.80	
15	64QAM	1	74	21.87	21.74	21.77	
15	64QAM	36	0	20.93	21.28	21.03	21.8
15	64QAM	36	20	21.06	20.97	21.00	
15	64QAM	36	39	20.86	21.01	20.95	
15	64QAM	75	0	20.95	21.06	20.93	
15	256QAM	1	0	19.12	19.13	19.04	19.8
15	256QAM	1	37	19.08	19.05	19.12	
15	256QAM	1	74	19.03	19.06	19.11	
15	256QAM	36	0	19.11	19.01	18.97	19.8
15	256QAM	36	20	19.17	19.20	19.19	
15	256QAM	36	39	19.14	19.09	18.95	
15	256QAM	75	0	19.04	19.11	19.06	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.25	24.18	24.13	24.8
10	QPSK	1	25	24.31	24.27	24.14	
10	QPSK	1	49	24.28	24.10	24.13	
10	QPSK	25	0	23.00	23.03	22.97	23.8
10	QPSK	25	12	23.05	23.01	23.01	
10	QPSK	25	25	23.02	22.95	23.05	
10	QPSK	50	0	22.98	22.90	22.94	
10	16QAM	1	0	23.07	22.98	22.96	23.8
10	16QAM	1	25	22.93	22.87	22.91	
10	16QAM	1	49	22.87	22.88	22.84	
10	16QAM	25	0	21.93	22.08	22.02	22.8
10	16QAM	25	12	22.15	21.92	21.95	
10	16QAM	25	25	21.98	22.10	22.00	
10	16QAM	50	0	22.01	21.91	21.95	
10	64QAM	1	0	22.07	22.01	21.94	22.8
10	64QAM	1	25	21.88	21.91	21.77	
10	64QAM	1	49	21.86	21.84	21.87	
10	64QAM	25	0	20.90	21.15	21.05	21.8
10	64QAM	25	12	21.13	20.94	21.01	
10	64QAM	25	25	20.91	21.07	21.08	
10	64QAM	50	0	20.94	21.05	20.91	
10	256QAM	1	0	19.23	19.12	19.17	19.8
10	256QAM	1	25	19.06	19.04	19.07	
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	19.19	19.01	19.01	19.8
10	256QAM	25	12	19.13	19.12	19.09	
10	256QAM	25	25	19.16	19.06	18.96	
10	256QAM	50	0	19.11	19.18	19.08	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.32	24.23	24.23	24.8
5	QPSK	1	12	24.32	24.25	24.18	
5	QPSK	1	24	24.36	24.11	24.24	
5	QPSK	12	0	23.03	22.99	22.93	23.8
5	QPSK	12	7	23.08	23.05	23.11	
5	QPSK	12	13	22.97	23.07	23.06	
5	QPSK	25	0	22.98	22.93	22.97	
5	16QAM	1	0	22.97	22.90	22.90	23.8
5	16QAM	1	12	22.85	22.99	22.93	
5	16QAM	1	24	22.92	22.85	22.86	
5	16QAM	12	0	21.87	22.05	22.08	22.8
5	16QAM	12	7	22.03	21.96	22.07	
5	16QAM	12	13	21.97	22.06	21.90	
5	16QAM	25	0	22.11	22.01	22.03	
5	64QAM	1	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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.21	24.37	24.40	24.8
20	QPSK	1	49	24.39	24.48	24.45	
20	QPSK	1	99	24.30	24.30	24.28	
20	QPSK	50	0	23.30	23.38	23.41	
20	QPSK	50	24	23.36	23.44	23.42	23.8
20	QPSK	50	50	23.27	23.31	23.34	
20	QPSK	100	0	23.28	23.32	23.30	
20	16QAM	1	0	23.50	23.71	23.65	
20	16QAM	1	49	23.66	23.70	23.71	23.8
20	16QAM	1	99	23.37	23.50	23.49	
20	16QAM	50	0	22.32	22.42	22.41	
20	16QAM	50	24	22.37	22.35	22.40	22.8
20	16QAM	50	50	22.30	22.38	22.34	
20	16QAM	100	0	22.33	22.33	22.35	
20	64QAM	1	0	22.47	22.55	22.67	
20	64QAM	1	49	22.54	22.50	22.59	22.8
20	64QAM	1	99	22.29	22.39	22.35	
20	64QAM	50	0	21.31	21.40	21.40	
20	64QAM	50	24	21.36	21.37	21.37	
20	64QAM	50	50	21.27	21.35	21.35	21.8
20	64QAM	100	0	21.34	21.30	21.30	
20	256QAM	1	0	19.10	19.21	19.14	
20	256QAM	1	49	19.16	19.18	19.18	19.8
20	256QAM	1	99	19.11	19.18	19.19	
20	256QAM	50	0	19.21	19.22	19.15	
20	256QAM	50	24	19.21	19.16	19.11	19.8
20	256QAM	50	50	19.18	19.15	19.10	
20	256QAM	100	0	19.23	19.15	19.21	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.14	24.29	24.27	24.8
15	QPSK	1	37	24.38	24.35	24.42	
15	QPSK	1	74	24.16	24.16	24.17	
15	QPSK	36	0	23.16	23.33	23.33	
15	QPSK	36	20	23.34	23.33	23.35	23.8
15	QPSK	36	39	23.18	23.29	23.22	
15	QPSK	75	0	23.15	23.19	23.24	
15	16QAM	1	0	23.49	23.60	23.52	
15	16QAM	1	37	23.60	23.66	23.69	23.8
15	16QAM	1	74	23.33	23.39	23.47	
15	16QAM	36	0	22.18	22.32	22.37	
15	16QAM	36	20	22.34	22.31	22.30	22.8
15	16QAM	36	39	22.23	22.36	22.31	
15	16QAM	75	0	22.20	22.18	22.28	
15	64QAM	1	0	22.44	22.52	22.54	
15	64QAM	1	37	22.43	22.37	22.50	22.8
15	64QAM	1	74	22.27	22.29	22.22	
15	64QAM	36	0	21.27	21.32	21.38	
15	64QAM	36	20	21.24	21.28	21.34	21.8
15	64QAM	36	39	21.14	21.22	21.30	
15	64QAM	75	0	21.29	21.19	21.22	
15	256QAM	1	0	19.01	19.07	19.01	
15	256QAM	1	37	19.05	19.06	19.06	19.8
15	256QAM	1	74	19.10	19.07	19.17	
15	256QAM	36	0	19.11	19.19	19.12	
15	256QAM	36	20	19.11	19.02	19.09	19.8
15	256QAM	36	39	19.15	19.13	18.96	
15	256QAM	75	0	19.18	19.02	19.14	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.14	24.30	24.28	24.8
10	QPSK	1	25	24.26	24.35	24.33	
10	QPSK	1	49	24.20	24.19	24.14	
10	QPSK	25	0	23.26	23.28	23.40	
10	QPSK	25	12	23.30	23.34	23.34	23.8
10	QPSK	25	25	23.13	23.28	23.23	
10	QPSK	50	0	23.19	23.17	23.27	
10	16QAM	1	0	23.40	23.61	23.55	
10	16QAM	1	25	23.53	23.66	23.68	23.8
10	16QAM	1	49	23.23	23.44	23.45	
10	16QAM	25	0	22.27	22.29	22.30	
10	16QAM	25	12	22.28	22.23	22.35	22.8
10	16QAM	25	25	22.23	22.34	22.26	
10	16QAM	50	0	22.28	22.31	22.31	
10	64QAM	1	0	22.45	22.43	22.61	
10	64QAM	1	25	22.41	22.39	22.48	22.8
10	64QAM	1	49	22.31	22.34	22.22	
10	64QAM	25	0	21.16	21.32	21.38	
10	64QAM	25	12	21.32	21.23	21.23	21.8
10	64QAM	25	25	21.19	21.27	21.30	
10	64QAM	50	0	21.20	21.18	21.16	
10	256QAM	1	0	19.00	19.06	19.10	
10	256QAM	1	25	19.11	19.07	19.17	19.8
10	256QAM	1	49	19.05	19.06	19.15	
10	256QAM	25	0	19.20	19.21	19.11	
10	256QAM	25	12	19.18	19.05	18.97	19.8
10	256QAM	25	25	19.12	19.00	19.07	
10	256QAM	50	0	19.19	19.10	19.11	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.08	24.22	24.39	24.8
5	QPSK	1	12	24.29	24.44	24.34	
5	QPSK	1	24	24.24	24.15	24.24	
5	QPSK	12	0	23.28	23.33	23.39	
5	QPSK	12	7	23.24	23.29	23.28	23.8
5	QPSK	12	13	23.24	23.19	23.27	
5	QPSK	25	0	23.19	23.18	23.26	
5	16QAM	1	0	23.48	23.60	23.59	
5	16QAM	1	12	23.51	23.63	23.67	23.8
5	16QAM	1	24	23.26	23.40	23.35	
5	16QAM	12	0	22.25	22.37	22.37	
5	16QAM	12	7	22.25	22.31	22.28	22.8
5	16QAM	12	13	22.27	22.32	22.21	
5	16QAM	25	0	22.22	22.30	22.20	
5	64QAM	1	0	22.38	22.49	22.65	
5	64QAM	1	12	22.52	22.44	22.48	22.8
5	64QAM	1	24	22.25	22.32	22.23	
5	64QAM	12	0	21.24	21.36	21.32	
5	64QAM	12	7	21.24	21.22	21.34	21.8
5	64QAM	12	13	21.20	21.26	21.33	
5	64QAM	25	0	21.20	21.20	21.16	
5	256QAM	1	0	18.95	19.18	19.04	
5	256QAM	1	12	19.10	19.04	19.07	19.8
5	256QAM	1	24	19.08	19.11	19.04	
5	256QAM	12	0	19.10	19.14	19.02	
5	256QAM	12	7	19.14	19.02	18.96	19.8
5	256QAM	12	13	19.10	19.03	19.02	
5	256QAM	25	0	19.10	19.03	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.09	24.24	24.36	24.8
3	QPSK	1	8	24.36	24.47	24.42	
3	QPSK	1	14	24.23	24.28	24.24	
3	QPSK	8	0	23.23	23.33	23.39	
3	QPSK	8	4	23.33	23.31	23.41	23.8
3	QPSK	8	7	23.12	23.21	23.21	
3	QPSK	15	0	23.18	23.28	23.27	
3	16QAM	1	0	23.44	23.65	23.57	
3	16QAM	1	8	23.55	23.58	23.60	23.8
3	16QAM	1	14	23.30	23.46	23.44	
3	16QAM	8	0	22.22	22.38	22.38	
3	16QAM	8	4	22.35	22.21	22.31	22.8
3	16QAM	8	7	22.27	22.32	22.21	
3	16QAM	15	0	22.31	22.27	22.27	
3	64QAM	1	0	22.36	22.53	22.55	
3	64QAM	1	8	22.47	22.37	22.56	22.8
3	64QAM	1	14	22.17	22.25	22.24	
3	64QAM	8	0	21.27	21.29	21.27	
3	64QAM	8	4	21.32	21.33	21.30	21.8
3	64QAM	8	7	21.20	21.24	21.34	
3	64QAM	15	0	21.31	21.26	21.29	
3	256QAM	1	0	19.05	19.15	19.13	
3	256QAM	1	8	19.06	19.16	19.05	19.8
3	256QAM	1	14	19.04	19.04	19.08	
3	256QAM	8	0	19.08	19.14	19.12	
3	256QAM	8	4	19.16	19.11	19.01	19.8
3	256QAM	8	7	19.10	19.10	18.95	
3	256QAM	15	0	19.21	19.12	19.11	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.11	24.28	24.28	24.8
1.4	QPSK	1	3	24.37	24.47	24.43	
1.4	QPSK	1	5	24.25	24.18	24.16	
1.4	QPSK	3	0	24.00	24.17	24.27	
1.4	QPSK	3	1	24.28	24.40	24.38	
1.4	QPSK	3	3	24.13	24.03	24.03	
1.4	QPSK	6	0	23.17	23.22	23.24	23.8
1.4	16QAM	1	0	23.49	23.64	23.53	
1.4	16QAM	1	3	23.59	23.66	23.70	
1.4	16QAM	1	5	23.25	23.38	23.42	23.8
1.4	16QAM	3	0	23.35	23.62	23.46	
1.4	16QAM	3	1	23.55	23.63	23.57	
1.4	16QAM	3	3	23.40	23.30	23.31	
1.4	16QAM	6	0	22.28	22.24	22.29	22.8
1.4	64QAM	1	0	22.37	22.50	22.54	
1.4	64QAM	1	3	22.49	22.35	22.47	
1.4	64QAM	1	5	22.21	22.26	22.25	22.8
1.4	64QAM	3	0	22.28	22.38	22.44	
1.4	64QAM	3	1	22.38	22.23	22.32	
1.4	64QAM	3	3	22.14	22.24	22.16	
1.4	64QAM	6	0	21.26	21.19	21.22	21.8
1.4	256QAM	1	0	19.08	19.12	19.08	
1.4	256QAM	1	3	19.08	19.10	19.04	
1.4	256QAM	1	5	19.00	19.04	19.09	19.8
1.4	256QAM	3	0	19.17	19.09	19.10	
1.4	256QAM	3	1	19.07	19.15	19.10	
1.4	256QAM	3	3	19.10	19.14	19.07	
1.4	256QAM	6	0	19.09	19.11	19.08	19.8

Band 66_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.21	24.45	24.41	25
20	QPSK	1	49	24.49	24.50	24.45	
20	QPSK	1	99	24.28	24.23	24.39	
20	QPSK	50	0	23.37	23.40	23.38	
20	QPSK	50	24	23.54	23.58	23.40	24
20	QPSK	50	50	23.39	23.41	23.31	
20	QPSK	100	0	23.35	23.41	23.36	
20	16QAM	1	0	23.46	23.49	23.36	
20	16QAM	1	49	23.28	23.37	23.27	24
20	16QAM	1	99	23.31	23.33	23.29	
20	16QAM	50	0	22.51	22.42	22.45	
20	16QAM	50	24	22.55	22.38	22.38	23
20	16QAM	50	50	22.40	22.37	22.36	
20	16QAM	100	0	22.43	22.34	22.30	
20	64QAM	1	0	22.47	22.32	22.37	
20	64QAM	1	49	22.32	22.30	22.22	23
20	64QAM	1	99	22.41	22.25	22.23	
20	64QAM	50	0	21.42	21.48	21.37	
20	64QAM	50	24	21.46	21.44	21.50	22
20	64QAM	50	50	21.29	21.46	21.42	
20	64QAM	100	0	21.41	21.28	21.30	
20	256QAM	1	0	19.10	19.18	19.16	
20	256QAM	1	49	19.21	19.19	19.10	20
20	256QAM	1	99	19.14	19.15	19.16	
20	256QAM	50	0	19.22	19.25	19.18	
20	256QAM	50	24	19.17	19.24	19.07	20
20	256QAM	50	50	19.16	19.13	19.11	
20	256QAM	100	0	19.24	19.14	19.10	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.18	24.32	24.30	25
15	QPSK	1	37	24.42	24.48	24.40	
15	QPSK	1	74	24.18	24.18	24.26	
15	QPSK	36	0	23.31	23.38	23.24	
15	QPSK	36	20	23.41	23.45	23.39	24
15	QPSK	36	39	23.26	23.35	23.25	
15	QPSK	75	0	23.22	23.39	23.22	
15	16QAM	1	0	23.34	23.40	23.26	
15	16QAM	1	37	23.18	23.27	23.15	24
15	16QAM	1	74	23.24	23.25	23.20	
15	16QAM	36	0	22.38	22.33	22.36	
15	16QAM	36	20	22.51	22.27	22.34	23
15	16QAM	36	39	22.35	22.28	22.25	
15	16QAM	75	0	22.32	22.26	22.18	
15	64QAM	1	0	22.42	22.24	22.30	
15	64QAM	1	37	22.17	22.20	22.12	23
15	64QAM	1	74	22.37	22.12	22.21	
15	64QAM	36	0	21.32	21.35	21.34	
15	64QAM	36	20	21.39	21.37	21.44	22
15	64QAM	36	39	21.27	21.31	21.27	
15	64QAM	75	0	21.32	21.21	21.26	
15	256QAM	1	0	18.95	19.07	19.02	
15	256QAM	1	37	19.17	19.05	18.97	20
15	256QAM	1	74	19.06	19.04	19.03	
15	256QAM	36	0	19.21	19.19	19.15	
15	256QAM	36	20	19.07	19.21	18.99	20
15	256QAM	36	39	19.09	19.01	19.09	
15	256QAM	75	0	19.15	19.02	19.02	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.11	24.40	24.40	25
10	QPSK	1	25	24.37	24.42	24.42	
10	QPSK	1	49	24.24	24.20	24.27	
10	QPSK	25	0	23.26	23.26	23.33	
10	QPSK	25	12	23.52	23.52	23.34	24
10	QPSK	25	25	23.24	23.27	23.17	
10	QPSK	50	0	23.26	23.28	23.32	
10	16QAM	1	0	23.30	23.48	23.33	
10	16QAM	1	25	23.13	23.26	23.17	24
10	16QAM	1	49	23.20	23.32	23.19	
10	16QAM	25	0	22.46	22.29	22.39	
10	16QAM	25	12	22.51	22.32	22.28	23
10	16QAM	25	25	22.27	22.32	22.34	
10	16QAM	50	0	22.35	22.29	22.18	
10	64QAM	1	0	22.39	22.26	22.30	
10	64QAM	1	25	22.21	22.26	22.14	23
10	64QAM	1	49	22.28	22.11	22.16	
10	64QAM	25	0	21.36	21.35	21.34	
10	64QAM	25	12	21.44	21.30	21.36	22
10	64QAM	25	25	21.25	21.38	21.29	
10	64QAM	50	0	21.37	21.26	21.29	
10	256QAM	1	0	19.00	19.14	19.03	
10	256QAM	1	25	19.18	19.08	19.07	20
10	256QAM	1	49	18.99	19.03	19.07	
10	256QAM	25	0	19.12	19.17	19.07	
10	256QAM	25	12	19.06	19.10	18.93	20
10	256QAM	25	25	19.07	19.09	19.10	
10	256QAM	50	0	19.15	19.15	18.96	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.06	24.42	24.40	25
5	QPSK	1	12	24.48	24.40	24.43	
5	QPSK	1	24	24.24	24.15	24.30	
5	QPSK	12	0	23.23	23.37	23.33	
5	QPSK	12	7	23.40	23.54	23.26	24
5	QPSK	12	13	23.38	23.36	23.17	
5	QPSK	25	0	23.32	23.28	23.33	
5	16QAM	1	0	23.34	23.43	23.24	
5	16QAM	1	12	23.22	23.31	23.19	24
5	16QAM	1	24	23.26	23.21	23.17	
5	16QAM	12	0	22.49	22.33	22.44	
5	16QAM	12	7	22.54	22.35	22.25	23
5	16QAM	12	13	22.26	22.31	22.32	
5	16QAM	25	0	22.35	22.23	22.20	
5	64QAM	1	0	22.36	22.20	22.31	
5	64QAM	1	12	22.31	22.24	22.11	23
5	64QAM	1	24	22.27	22.24	22.21	
5	64QAM	12	0	21.38	21.43	21.33	
5	64QAM	12	7	21.36	21.43	21.44	22
5	64QAM	12	13	21.25	21.35	21.40	
5	64QAM	25	0	21.40	21.24	21.16	
5	256QAM	1	0	19.03	19.12	19.02	
5	256QAM	1	12	19.08	19.07	19.09	20
5	256QAM	1	24	19.01	19.02	19.09	
5	256QAM	12	0	19.12	19.13	19.11	
5	256QAM	12	7	19.14	19.18	19.00	20
5	256QAM	12	13	19.15	19.11	18.96	
5	256QAM	25	0	19.13	19.06	18.96	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.08	24.32	24.29	25
3	QPSK	1	8	24.37	24.45	24.37	
3	QPSK	1	14	24.15	24.11	24.30	
3	QPSK	8	0	23.25	23.34	23.32	
3	QPSK	8	4	23.49	23.54	23.33	24
3	QPSK	8	7	23.35	23.27	23.21	
3	QPSK	15	0	23.23	23.33	23.21	
3	16QAM	1	0	23.33	23.37	23.25	
3	16QAM	1	8	23.18	23.31	23.21	24
3	16QAM	1	14	23.30	23.25	23.22	
3	16QAM	8	0	22.40	22.30	22.32	
3	16QAM	8	4	22.40	22.33	22.26	23
3	16QAM	8	7	22.25	22.34	22.34	
3	16QAM	15	0	22.40	22.31	22.20	
3	64QAM	1	0	22.40	22.31	22.28	
3	64QAM	1	8	22.25	22.20	22.17	23
3	64QAM	1	14	22.35	22.21	22.18	
3	64QAM	8	0	21.40	21.44	21.22	
3	64QAM	8	4	21.44	21.42	21.44	22
3	64QAM	8	7	21.17	21.44	21.41	
3	64QAM	15	0	21.39	21.16	21.15	
3	256QAM	1	0	19.01	19.11	19.03	
3	256QAM	1	8	19.14	19.09	19.09	20
3	256QAM	1	14	19.03	19.12	19.02	
3	256QAM	8	0	19.20	19.14	19.11	
3	256QAM	8	4	19.10	19.12	18.92	20
3	256QAM	8	7	19.11	19.00	19.08	
3	256QAM	15	0	19.11	19.11	19.03	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.33	24.31	24.34	25
1.4	QPSK	1	3	24.37	24.46	24.32	
1.4	QPSK	1	5	24.23	24.32	24.37	
1.4	QPSK	3	0	24.32	24.28	24.23	
1.4	QPSK	3	1	24.35	24.37	24.20	
1.4	QPSK	3	3	24.16	24.31	24.27	
1.4	QPSK	6	0	23.23	23.35	23.25	24
1.4	16QAM	1	0	23.33	23.44	23.29	
1.4	16QAM	1	3	23.19	23.27	23.23	
1.4	16QAM	1	5	23.16	23.18	23.24	24
1.4	16QAM	3	0	23.24	23.37	23.15	
1.4	16QAM	3	1	23.13	23.26	23.21	
1.4	16QAM	3	3	23.09	23.17	23.12	
1.4	16QAM	6	0	22.37	22.24	22.26	23
1.4	64QAM	1	0	22.36	22.21	22.22	
1.4	64QAM	1	3	22.26	22.25	22.29	
1.4	64QAM	1	5	22.32	22.13	22.11	23
1.4	64QAM	3	0	22.35	22.12	22.07	
1.4	64QAM	3	1	22.16	22.14	22.16	
1.4	64QAM	3	3	22.26	22.04	21.99	
1.4	64QAM	6	0	21.37	21.14	21.25	22
1.4	256QAM	1	0	19.08	19.03	19.07	
1.4	256QAM	1	3	19.17	19.08	19.03	
1.4	256QAM	1	5	19.09	19.08	19.15	20
1.4	256QAM	3	0	19.12	19.14	19.08	
1.4	256QAM	3	1	19.13	19.17	19.06	
1.4	256QAM	3	3	19.14	18.99	18.99	
1.4	256QAM	6	0	19.23	19.10	19.01	20

Band 71_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)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.74	23.80	23.76	24.8
20	QPSK	1	49	23.79	23.88	23.77	
20	QPSK	1	99	23.61	23.73	23.63	
20	QPSK	50	0	22.64	22.66	22.52	
20	QPSK	50	24	22.73	22.77	22.69	23.8
20	QPSK	50	50	22.65	22.69	22.67	
20	QPSK	100	0	22.58	22.72	22.59	
20	16QAM	1	0	22.65	22.70	22.63	
20	16QAM	1	49	22.56	22.68	22.57	23.8
20	16QAM	1	99	22.53	22.58	22.47	
20	16QAM	50	0	21.52	21.63	21.55	
20	16QAM	50	24	21.49	21.51	21.36	22.8
20	16QAM	50	50	21.36	21.50	21.41	
20	16QAM	100	0	21.49	21.62	21.50	
20	64QAM	1	0	21.60	21.74	21.60	
20	64QAM	1	49	21.35	21.48	21.45	22.8
20	64QAM	1	99	21.50	21.57	21.50	
20	64QAM	50	0	20.59	20.68	20.63	
20	64QAM	50	24	20.59	20.67	20.64	21.8
20	64QAM	50	50	20.53	20.61	20.58	
20	64QAM	100	0	20.54	20.62	20.52	
20	256QAM	1	0	18.51	18.48	18.45	
20	256QAM	1	49	18.38	18.56	18.54	19.8
20	256QAM	1	99	18.47	18.58	18.49	
20	256QAM	50	0	18.42	18.51	18.52	
20	256QAM	50	24	18.46	18.48	18.52	19.8
20	256QAM	50	50	18.46	18.46	18.42	
20	256QAM	100	0	18.41	18.48	18.42	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.69	23

Band 38_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.72	24.80	24.61	25
20	QPSK	1	49	24.77	24.85	24.84	
20	QPSK	1	99	24.71	24.81	24.74	
20	QPSK	50	0	23.74	23.77	23.70	24
20	QPSK	50	24	23.82	23.85	23.80	
20	QPSK	50	50	23.79	23.74	23.73	
20	QPSK	100	0	23.76	23.79	23.40	
20	16QAM	1	0	23.75	23.70	23.72	24
20	16QAM	1	49	23.82	23.85	23.74	
20	16QAM	1	99	23.62	23.74	23.51	
20	16QAM	50	0	22.87	22.78	22.72	23
20	16QAM	50	24	22.88	22.74	22.95	
20	16QAM	50	50	23.00	22.85	22.84	
20	16QAM	100	0	22.88	22.70	22.75	
20	64QAM	1	0	22.80	22.58	22.78	23
20	64QAM	1	49	22.52	22.48	22.70	
20	64QAM	1	99	22.82	22.57	22.60	
20	64QAM	50	0	21.80	21.73	21.65	22
20	64QAM	50	24	21.70	21.84	21.83	
20	64QAM	50	50	21.82	21.76	21.81	
20	64QAM	100	0	21.83	21.68	21.78	
20	256QAM	1	0	19.52	19.57	19.64	20
20	256QAM	1	49	19.47	19.49	19.65	
20	256QAM	1	99	19.53	19.57	19.51	
20	256QAM	50	0	19.45	19.54	19.60	20
20	256QAM	50	24	19.52	19.54	19.58	
20	256QAM	50	50	19.49	19.50	19.60	
20	256QAM	100	0	19.56	19.53	19.53	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.64	24.69	24.58	25
15	QPSK	1	37	24.74	24.77	24.81	
15	QPSK	1	74	24.68	24.70	24.80	
15	QPSK	36	0	23.59	23.76	23.61	24
15	QPSK	36	20	23.78	23.83	23.65	
15	QPSK	36	39	23.74	23.64	23.71	
15	QPSK	75	0	23.72	23.64	23.34	
15	16QAM	1	0	23.74	23.68	23.62	24
15	16QAM	1	37	23.77	23.78	23.64	
15	16QAM	1	74	23.47	23.66	23.40	
15	16QAM	36	0	22.74	22.70	22.70	23
15	16QAM	36	20	22.77	22.62	22.84	
15	16QAM	36	39	22.90	22.80	22.71	
15	16QAM	75	0	22.81	22.59	22.61	
15	64QAM	1	0	22.79	22.41	22.76	23
15	64QAM	1	37	22.44	22.37	22.66	
15	64QAM	1	74	22.70	22.43	22.58	
15	64QAM	36	0	21.69	21.68	21.61	22
15	64QAM	36	20	21.55	21.72	21.77	
15	64QAM	36	39	21.80	21.69	21.66	
15	64QAM	75	0	21.69	21.67	21.63	
15	256QAM	1	0	19.42	19.48	19.56	20
15	256QAM	1	37	19.32	19.44	19.61	
15	256QAM	1	74	19.47	19.49	19.36	
15	256QAM	36	0	19.40	19.44	19.54	20
15	256QAM	36	20	19.42	19.44	19.54	
15	256QAM	36	39	19.48	19.40	19.51	
15	256QAM	75	0	19.55	19.40	19.46	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.62	24.67	24.54	25
10	QPSK	1	25	24.66	24.77	24.75	
10	QPSK	1	49	24.68	24.77	24.70	
10	QPSK	25	0	23.59	23.66	23.59	24
10	QPSK	25	12	23.78	23.79	23.77	
10	QPSK	25	25	23.69	23.69	23.69	
10	QPSK	50	0	23.73	23.78	23.39	
10	16QAM	1	0	23.63	23.58	23.57	24
10	16QAM	1	25	23.68	23.84	23.63	
10	16QAM	1	49	23.55	23.67	23.48	
10	16QAM	25	0	22.82	22.77	22.60	23
10	16QAM	25	12	22.84	22.61	22.93	
10	16QAM	25	25	22.98	22.78	22.83	
10	16QAM	50	0	22.74	22.64	22.60	
10	64QAM	1	0	22.67	22.55	22.70	23
10	64QAM	1	25	22.39	22.44	22.69	
10	64QAM	1	49	22.73	22.55	22.57	
10	64QAM	25	0	21.70	21.71	21.52	22
10	64QAM	25	12	21.66	21.74	21.79	
10	64QAM	25	25	21.73	21.61	21.77	
10	64QAM	50	0	21.73	21.58	21.73	
10	256QAM	1	0	19.47	19.56	19.58	20
10	256QAM	1	25	19.45	19.34	19.56	
10	256QAM	1	49	19.45	19.55	19.46	
10	256QAM	25	0	19.42	19.39	19.49	20
10	256QAM	25	12	19.39	19.40	19.54	
10	256QAM	25	25	19.38	19.44	19.55	
10	256QAM	50	0	19.48	19.50	19.52	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.57	24.74	24.56	25
5	QPSK	1	12	24.73	24.80	24.71	
5	QPSK	1	24	24.66	24.66	24.60	
5	QPSK	12	0	23.64	23.68	23.59	24
5	QPSK	12	7	23.75	23.73	23.67	
5	QPSK	12	13	23.69	23.61	23.62	
5	QPSK	25	0	23.73	23.70	23.25	
5	16QAM	1	0	23.61	23.56	23.66	24
5	16QAM	1	12	23.69	23.70	23.64	
5	16QAM	1	24	23.50	23.63	23.39	
5	16QAM	12	0	22.85	22.75	22.67	23
5	16QAM	12	7	22.83	22.65	22.88	
5	16QAM	12	13	22.97	22.71	22.72	
5	16QAM	25	0	22.80	22.63	22.61	
5	64QAM	1	0	22.78	22.42	22.72	23
5	64QAM	1	12	22.43	22.40	22.65	
5	64QAM	1	24	22.79	22.53	22.45	
5	64QAM	12	0	21.79	21.58	21.53	22
5	64QAM	12	7	21.62	21.83	21.82	
5	64QAM	12	13	21.71	21.74	21.79	
5	64QAM	25	0	21.82	21.62	21.67	
5	256QAM	1	0	19.45	19.46	19.60	20
5	256QAM	1	12	19.33	19.46	19.52	
5	256QAM	1	24	19.46	19.48	19.37	
5	256QAM	12	0	19.34	19.47	19.46	20
5	256QAM	12	7	19.40	19.48	19.46	
5	256QAM	12	13	19.48	19.36	19.55	
5	256QAM	25	0	19.41	19.48	19.46	

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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)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.19	24.17	24.20	24.8
20	QPSK	1	49	24.25	24.33	24.30	
20	QPSK	1	99	24.13	24.13	24.28	
20	QPSK	50	0	23.11	23.17	23.11	23.8
20	QPSK	50	24	23.39	23.45	23.42	
20	QPSK	50	50	23.20	23.14	23.30	
20	QPSK	100	0	23.17	23.30	23.28	
20	16QAM	1	0	23.30	23.50	23.49	23.8
20	16QAM	1	49	23.21	23.43	23.55	
20	16QAM	1	99	23.43	23.39	23.52	
20	16QAM	50	0	22.16	22.15	22.12	22.8
20	16QAM	50	24	22.25	22.17	22.39	
20	16QAM	50	50	22.16	22.25	22.16	
20	16QAM	100	0	22.19	22.04	22.20	
20	64QAM	1	0	22.11	22.05	22.10	22.8
20	64QAM	1	49	22.07	22.23	22.02	
20	64QAM	1	99	22.14	21.91	22.11	
20	64QAM	50	0	21.10	21.08	21.32	21.8
20	64QAM	50	24	21.19	21.20	21.21	
20	64QAM	50	50	21.12	21.21	21.20	
20	64QAM	100	0	21.20	21.23	21.30	
20	256QAM	1	0	19.02	19.00	19.05	19.8
20	256QAM	1	49	18.93	18.99	18.92	
20	256QAM	1	99	18.94	18.87	19.01	
20	256QAM	50	0	18.96	18.86	18.98	19.8
20	256QAM	50	24	18.99	18.85	18.98	
20	256QAM	50	50	19.01	18.90	18.98	
20	256QAM	100	0	18.88	18.85	18.96	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.13	24.08	24.13	24.8
15	QPSK	1	37	24.15	24.20	24.29	
15	QPSK	1	74	24.10	24.05	24.21	
15	QPSK	36	0	22.98	23.08	22.96	23.8
15	QPSK	36	20	23.32	23.44	23.34	
15	QPSK	36	39	23.15	23.05	23.28	
15	QPSK	75	0	23.07	23.20	23.21	
15	16QAM	1	0	23.17	23.43	23.41	23.8
15	16QAM	1	37	23.19	23.30	23.45	
15	16QAM	1	74	23.39	23.36	23.40	
15	16QAM	36	0	22.09	22.07	22.03	22.8
15	16QAM	36	20	22.22	22.11	22.38	
15	16QAM	36	39	22.03	22.21	22.02	
15	16QAM	75	0	22.15	21.93	22.06	
15	64QAM	1	0	21.96	22.02	22.07	22.8
15	64QAM	1	37	22.03	22.15	21.97	
15	64QAM	1	74	22.02	21.76	22.09	
15	64QAM	36	0	21.06	21.07	21.19	21.8
15	64QAM	36	20	21.12	21.07	21.16	
15	64QAM	36	39	20.97	21.09	21.16	
15	64QAM	75	0	21.09	21.21	21.15	
15	256QAM	1	0	18.88	18.94	18.95	19.8
15	256QAM	1	37	18.78	18.97	18.85	
15	256QAM	1	74	18.81	18.80	18.94	
15	256QAM	36	0	18.92	18.76	18.84	19.8
15	256QAM	36	20	18.89	18.78	18.96	
15	256QAM	36	39	19.00	18.83	18.94	
15	256QAM	75	0	18.74	18.81	18.91	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.12	24.07	24.13	24.8
10	QPSK	1	25	24.11	24.29	24.18	
10	QPSK	1	49	24.03	24.05	24.21	
10	QPSK	25	0	23.02	23.08	23.07	23.8
10	QPSK	25	12	23.33	23.31	23.37	
10	QPSK	25	25	23.18	23.07	23.28	
10	QPSK	50	0	23.03	23.22	23.15	
10	16QAM	1	0	23.15	23.40	23.44	23.8
10	16QAM	1	25	23.13	23.31	23.51	
10	16QAM	1	49	23.32	23.30	23.39	
10	16QAM	25	0	22.06	22.10	22.09	22.8
10	16QAM	25	12	22.21	22.02	22.32	
10	16QAM	25	25	22.04	22.14	22.11	
10	16QAM	50	0	22.15	21.97	22.15	
10	64QAM	1	0	21.99	21.98	22.01	22.8
10	64QAM	1	25	22.05	22.22	21.93	
10	64QAM	1	49	22.11	21.77	22.00	
10	64QAM	25	0	20.97	20.99	21.27	21.8
10	64QAM	25	12	21.05	21.13	21.19	
10	64QAM	25	25	21.09	21.07	21.15	
10	64QAM	50	0	21.11	21.13	21.23	
10	256QAM	1	0	18.95	18.94	18.93	19.8
10	256QAM	1	25	18.84	18.85	18.77	
10	256QAM	1	49	18.87	18.76	18.97	
10	256QAM	25	0	18.94	18.75	18.87	19.8
10	256QAM	25	12	18.88	18.78	18.94	
10	256QAM	25	25	18.88	18.84	18.94	
10	256QAM	50	0	18.79	18.70	18.82	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.15	24.07	24.07	24.8
5	QPSK	1	12	24.20	24.22	24.15	
5	QPSK	1	24	24.02	24.12	24.19	
5	QPSK	12	0	23.05	23.02	23.01	23.8
5	QPSK	12	7	23.26	23.38	23.34	
5	QPSK	12	13	23.17	23.08	23.26	
5	QPSK	25	0	23.14	23.21	23.23	
5	16QAM	1	0	23.21	23.35	23.34	23.8
5	16QAM	1	12	23.13	23.40	23.46	
5	16QAM	1	24	23.40	23.27	23.51	
5	16QAM	12	0	22.01	22.02	22.11	22.8
5	16QAM	12	7	22.14	22.15	22.24	
5	16QAM	12	13	22.09	22.15	22.10	
5	16QAM	25	0	22.05	21.95	22.08	
5	64QAM	1	0	22.01	22.00	22.05	22.8
5	64QAM	1	12	21.99	22.17	21.96	
5	64QAM	1	24	22.08	21.84	21.99	
5	64QAM	12	0	21.06	20.93	21.17	21.8
5	64QAM	12	7	21.06	21.10	21.19	
5	64QAM	12	13	21.07	21.17	21.19	
5	64QAM	25	0	21.12	21.16	21.25	
5	256QAM	1	0	18.88	18.91	19.03	19.8
5	256QAM	1	12	18.81	18.87	18.83	
5	256QAM	1	24	18.83	18.74	19.00	
5	256QAM	12	0	18.95	18.77	18.97	19.8
5	256QAM	12	7	18.95	18.80	18.95	
5	256QAM	12	13	19.00	18.84	18.86	
5	256QAM	25	0	18.75	18.83	18.90	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.38	24.31	24.37	24.49	24.20	24.8
20	QPSK	1	49	24.53	24.60	24.55	24.52	24.42	
20	QPSK	1	99	24.46	24.59	24.50	24.55	24.32	
20	QPSK	50	0	23.39	23.43	23.45	23.42	23.43	23.8
20	QPSK	50	24	23.60	23.65	23.57	23.63	23.56	
20	QPSK	50	50	23.46	23.54	23.49	23.61	23.55	
20	QPSK	100	0	23.42	23.58	23.56	23.49	23.56	
20	16QAM	1	0	23.39	23.40	23.52	23.40	23.40	
20	16QAM	1	49	23.32	23.39	23.38	23.33	23.30	23.8
20	16QAM	1	99	23.36	23.25	23.42	23.32	23.30	
20	16QAM	50	0	22.31	22.39	22.43	22.67	22.49	
20	16QAM	50	24	22.47	22.59	22.64	22.54	22.58	22.8
20	16QAM	50	50	22.69	22.59	22.68	22.53	22.52	
20	16QAM	100	0	22.51	22.52	22.52	22.50	22.45	
20	64QAM	1	0	22.23	22.34	22.41	22.58	22.37	
20	64QAM	1	49	22.45	22.53	22.59	22.44	22.54	22.8
20	64QAM	1	99	22.54	22.57	22.63	22.52	22.38	
20	64QAM	50	0	21.27	21.62	21.58	21.52	21.51	
20	64QAM	50	24	21.42	21.66	21.62	21.54	21.58	21.8
20	64QAM	50	50	21.46	21.54	21.55	21.56	21.58	
20	64QAM	100	0	21.51	21.50	21.54	21.47	21.47	
20	256QAM	1	0	19.63	19.51	19.42	19.57	19.52	
20	256QAM	1	49	19.51	19.47	19.49	19.58	19.60	19.8
20	256QAM	1	99	19.54	19.59	19.50	19.49	19.60	
20	256QAM	50	0	19.52	19.45	19.42	19.49	19.49	
20	256QAM	50	24	19.54	19.55	19.39	19.50	19.53	19.8
20	256QAM	50	50	19.58	19.46	19.38	19.55	19.49	
20	256QAM	100	0	19.60	19.48	19.47	19.47	19.56	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.30	24.28	24.31	24.35	24.06	24.8
15	QPSK	1	37	24.52	24.46	24.51	24.40	24.29	
15	QPSK	1	74	24.33	24.53	24.46	24.28	24.28	
15	QPSK	36	0	23.38	23.30	23.31	23.32	23.33	
15	QPSK	36	20	23.49	23.64	23.50	23.50	23.55	23.8
15	QPSK	36	39	23.40	23.49	23.48	23.47	23.53	
15	QPSK	75	0	23.41	23.56	23.47	23.47	23.41	
15	16QAM	1	0	23.31	23.33	23.49	23.36	23.37	
15	16QAM	1	37	23.17	23.32	23.36	23.18	23.19	23.8
15	16QAM	1	74	23.35	23.10	23.32	23.30	23.25	
15	16QAM	36	0	22.22	22.31	22.38	22.66	22.47	
15	16QAM	36	20	22.32	22.53	22.50	22.50	22.47	22.8
15	16QAM	36	39	22.60	22.53	22.66	22.39	22.37	
15	16QAM	75	0	22.46	22.46	22.48	22.48	22.42	
15	64QAM	1	0	22.20	22.27	22.27	22.47	22.34	
15	64QAM	1	37	22.39	22.44	22.55	22.40	22.39	22.8
15	64QAM	1	74	22.49	22.52	22.52	22.47	22.24	
15	64QAM	36	0	21.24	21.54	21.46	21.40	21.42	
15	64QAM	36	20	21.41	21.60	21.49	21.49	21.51	21.8
15	64QAM	36	39	21.40	21.39	21.41	21.48	21.57	
15	64QAM	75	0	21.42	21.41	21.48	21.33	21.45	
15	256QAM	1	0	19.57	19.36	19.38	19.53	19.47	
15	256QAM	1	37	19.47	19.42	19.34	19.46	19.59	19.8
15	256QAM	1	74	19.41	19.54	19.48	19.40	19.48	
15	256QAM	36	0	19.45	19.42	19.34	19.42	19.34	
15	256QAM	36	20	19.40	19.48	19.34	19.40	19.39	19.8
15	256QAM	36	39	19.54	19.39	19.32	19.49	19.42	
15	256QAM	75	0	19.50	19.44	19.46	19.39	19.53	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.25	24.18	24.26	24.41	24.15	24.8
10	QPSK	1	25	24.49	24.54	24.44	24.43	24.33	
10	QPSK	1	49	24.38	24.50	24.41	24.28	24.17	
10	QPSK	25	0	23.31	23.42	23.30	23.32	23.35	
10	QPSK	25	12	23.48	23.64	23.56	23.54	23.53	23.8
10	QPSK	25	25	23.32	23.44	23.48	23.59	23.50	
10	QPSK	50	0	23.39	23.44	23.53	23.47	23.50	
10	16QAM	1	0	23.33	23.38	23.37	23.38	23.30	
10	16QAM	1	25	23.25	23.38	23.31	23.23	23.26	23.8
10	16QAM	1	49	23.21	23.12	23.28	23.18	23.18	
10	16QAM	25	0	22.29	22.35	22.29	22.66	22.46	
10	16QAM	25	12	22.46	22.55	22.61	22.46	22.43	22.8
10	16QAM	25	25	22.67	22.51	22.57	22.48	22.41	
10	16QAM	50	0	22.46	22.49	22.49	22.37	22.30	
10	64QAM	1	0	22.12	22.23	22.32	22.46	22.30	
10	64QAM	1	25	22.44	22.44	22.45	22.34	22.53	22.8
10	64QAM	1	49	22.42	22.42	22.49	22.38	22.24	
10	64QAM	25	0	21.22	21.60	21.52	21.49	21.36	
10	64QAM	25	12	21.35	21.54	21.57	21.48	21.55	21.8
10	64QAM	25	25	21.38	21.52	21.53	21.53	21.53	
10	64QAM	50	0	21.44	21.36	21.39	21.44	21.35	
10	256QAM	1	0	19.55	19.39	19.36	19.55	19.42	
10	256QAM	1	25	19.49	19.38	19.37	19.44	19.51	19.8
10	256QAM	1	49	19.49	19.46	19.35	19.48	19.48	
10	256QAM	25	0	19.49	19.43	19.29	19.47	19.43	
10	256QAM	25	12	19.42	19.43	19.26	19.42	19.46	19.8
10	256QAM	25	25	19.55	19.43	19.36	19.47	19.45	
10	256QAM	50	0	19.55	19.39	19.36	19.43	19.50	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.33	24.18	24.31	24.48	24.13	24.8
5	QPSK	1	12	24.39	24.46	24.47	24.54	24.34	
5	QPSK	1	24	24.39	24.55	24.41	24.25	24.24	
5	QPSK	12	0	23.33	23.41	23.42	23.34	23.33	
5	QPSK	12	7	23.59	23.54	23.44	23.54	23.43	
5	QPSK	12	13	23.36	23.43	23.48	23.60	23.40	23.8
5	QPSK	25	0	23.41	23.48	23.50	23.34	23.55	
5	16QAM	1	0	23.38	23.25	23.37	23.26	23.26	
5	16QAM	1	12	23.31	23.27	23.37	23.18	23.21	23.8
5	16QAM	1	24	23.29	23.21	23.32	23.21	23.16	
5	16QAM	12	0	22.17	22.33	22.38	22.64	22.45	
5	16QAM	12	7	22.43	22.51	22.56	22.40	22.49	22.8
5	16QAM	12	13	22.58	22.53	22.56	22.48	22.38	
5	16QAM	25	0	22.36	22.42	22.51	22.48	22.41	
5	64QAM	1	0	22.10	22.22	22.26	22.48	22.28	
5	64QAM	1	12	22.35	22.48	22.56	22.37	22.49	22.8
5	64QAM	1	24	22.44	22.51	22.47	22.46	22.25	
5	64QAM	12	0	21.19	21.51	21.49	21.44	21.40	
5	64QAM	12	7	21.31	21.51	21.57	21.51	21.45	21.8
5	64QAM	12	13	21.45	21.53	21.46	21.50	21.53	
5	64QAM	25	0	21.41	21.41	21.47	21.40	21.36	
5	256QAM	1	0	19.62	19.41	19.33	19.43	19.47	
5	256QAM	1	12	19.43	19.42	19.43	19.53	19.53	19.8
5	256QAM	1	24	19.47	19.55	19.41	19.44	19.45	
5	256QAM	12	0	19.48	19.38	19.27	19.36	19.46	
5	256QAM	12	7	19.46	19.43	19.31	19.37	19.39	19.8
5	256QAM	12	13	19.52	19.40	19.31	19.48	19.48	
5	256QAM	25	0	19.47	19.40	19.42	19.46	19.47	

Band 41 (HPUE)_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.84	26.76	26.68	26.78	26.84	27.3
20	QPSK	1	49	26.85	26.90	26.89	26.84	26.88	
20	QPSK	1	99	26.83	26.80	26.79	26.79	26.77	
20	QPSK	50	0	25.81	25.86	25.85	25.85	25.75	
20	QPSK	50	24	25.98	26.08	26.01	25.92	25.90	26.3
20	QPSK	50	50	25.88	25.91	25.98	25.86	25.85	
20	QPSK	100	0	25.88	25.98	25.96	25.94	25.88	
20	16QAM	1	0	26.03	26.10	25.95	25.96	25.89	
20	16QAM	1	49	25.96	26.12	25.96	25.95	25.90	26.3
20	16QAM	1	99	26.07	26.17	26.08	26.01	26.00	
20	16QAM	50	0	24.82	24.90	24.91	24.87	24.86	
20	16QAM	50	24	24.72	24.87	24.90	24.75	24.72	25.3
20	16QAM	50	50	24.67	24.89	24.82	24.81	24.78	
20	16QAM	100	0	24.77	24.75	24.86	24.76	24.85	
20	64QAM	1	0	24.95	25.00	25.01	24.92	24.85	
20	64QAM	1	49	24.84	24.99	24.99	24.83	24.82	25.3
20	64QAM	1	99	24.90	24.93	24.97	24.86	24.79	
20	64QAM	50	0	23.79	23.87	23.85	23.79	23.81	
20	64QAM	50	24	23.87	23.97	23.97	23.89	23.92	24.3
20	64QAM	50	50	23.86	23.95	23.93	23.90	23.92	
20	64QAM	100	0	23.88	23.99	23.98	23.88	23.86	
20	256QAM	1	0	21.88	21.98	21.81	21.77	21.87	
20	256QAM	1	49	21.90	21.93	21.82	21.86	21.91	22.3
20	256QAM	1	99	21.83	21.90	21.82	21.88	21.94	
20	256QAM	50	0	21.82	21.86	21.86	21.86	21.92	
20	256QAM	50	24	21.82	21.89	21.91	21.88	21.89	22.3
20	256QAM	50	50	21.85	21.91	21.81	21.83	21.97	
20	256QAM	100	0	21.85	21.95	21.84	21.78	21.85	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.81	26.74	26.66	26.76	26.83	27.3
15	QPSK	1	37	26.71	26.81	26.83	26.71	26.74	
15	QPSK	1	74	26.81	26.74	26.75	26.74	26.74	
15	QPSK	36	0	25.75	25.82	25.82	25.78	25.66	
15	QPSK	36	20	25.89	26.04	25.88	25.80	25.78	26.3
15	QPSK	36	39	25.77	25.78	25.87	25.76	25.71	
15	QPSK	75	0	25.77	25.94	25.85	25.80	25.86	
15	16QAM	1	0	25.96	26.06	25.87	25.82	25.85	
15	16QAM	1	37	25.89	26.05	25.94	25.85	25.80	26.3
15	16QAM	1	74	25.98	26.13	25.97	25.91	25.98	
15	16QAM	36	0	24.72	24.83	24.77	24.77	24.73	
15	16QAM	36	20	24.64	24.73	24.80	24.73	24.62	25.3
15	16QAM	36	39	24.64	24.85	24.68	24.71	24.71	
15	16QAM	75	0	24.72	24.60	24.76	24.63	24.84	
15	64QAM	1	0	24.86	24.95	24.96	24.80	24.76	
15	64QAM	1	37	24.71	24.90	24.88	24.70	24.69	25.3
15	64QAM	1	74	24.86	24.85	24.89	24.72	24.78	
15	64QAM	36	0	23.65	23.84	23.83	23.67	23.75	
15	64QAM	36	20	23.73	23.83	23.96	23.74	23.78	24.3
15	64QAM	36	39	23.73	23.88	23.78	23.76	23.87	
15	64QAM	75	0	23.80	23.84	23.92	23.84	23.73	
15	256QAM	1	0	21.77	21.83	21.66	21.68	21.73	
15	256QAM	1	37	21.75	21.83	21.79	21.84	21.87	22.3
15	256QAM	1	74	21.73	21.78	21.81	21.73	21.80	
15	256QAM	36	0	21.70	21.82	21.77	21.77	21.87	
15	256QAM	36	20	21.80	21.81	21.78	21.86	21.77	22.3
15	256QAM	36	39	21.74	21.77	21.70	21.69	21.87	
15	256QAM	75	0	21.76	21.90	21.82	21.69	21.72	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.71	26.75	26.58	26.74	26.73	27.3
10	QPSK	1	25	26.74	26.79	26.86	26.73	26.85	
10	QPSK	1	49	26.76	26.73	26.77	26.70	26.75	
10	QPSK	25	0	25.67	25.74	25.73	25.83	25.74	
10	QPSK	25	12	25.87	25.94	25.94	25.86	25.79	26.3
10	QPSK	25	25	25.80	25.83	25.92	25.85	25.83	
10	QPSK	50	0	25.87	25.83	25.84	25.73	25.80	
10	16QAM	1	0	25.94	26.01	25.93	25.89	25.74	
10	16QAM	1	25	25.85	26.11	25.85	25.90	25.78	26.3
10	16QAM	1	49	26.04	26.07	26.06	25.94	25.85	
10	16QAM	25	0	24.70	24.82	24.86	24.76	24.81	
10	16QAM	25	12	24.59	24.83	24.93	24.79	24.65	25.3
10	16QAM	25	25	24.63	24.76	24.70	24.76	24.71	
10	16QAM	50	0	24.73	24.71	24.85	24.73	24.82	
10	64QAM	1	0	24.87	24.96	24.94	24.85	24.80	
10	64QAM	1	25	24.69	24.94	24.95	24.75	24.80	25.3
10	64QAM	1	49	24.85	24.87	24.85	24.82	24.69	
10	64QAM	25	0	23.76	23.81	23.75	23.78	23.73	
10	64QAM	25	12	23.83	23.82	23.86	23.79	23.91	24.3
10	64QAM	25	25	23.78	23.83	23.93	23.80	23.87	
10	64QAM	50	0	23.87	23.88	23.89	23.74	23.76	
10	256QAM	1	0	21.86	21.88	21.76	21.75	21.73	
10	256QAM	1	25	21.78	21.82	21.78	21.74	21.76	22.3
10	256QAM	1	49	21.72	21.83	21.81	21.74	21.91	
10	256QAM	25	0	21.72	21.71	21.80	21.84	21.82	
10	256QAM	25	12	21.74	21.75	21.89	21.87	21.84	22.3
10	256QAM	25	25	21.71	21.83	21.93	21.84	21.93	
10	256QAM	50	0	21.75	21.90	21.79	21.70	21.72	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.83	26.67	26.54	26.74	26.76	27.3
5	QPSK	1	12	26.70	26.86	26.74	26.76	26.82	
5	QPSK	1	24	26.72	26.77	26.78	26.72	26.82	
5	QPSK	12	0	25.78	25.85	25.82	25.79	25.67	
5	QPSK	12	7	25.94	25.99	25.91	25.91	25.83	26.3
5	QPSK	12	13	25.86	25.78	25.93	25.71	25.70	
5	QPSK	25	0	25.79	25.88	25.87	25.81	25.76	
5	16QAM	1	0	25.93	26.08	25.80	25.86	25.76	
5	16QAM	1	12	25.87	26.02	25.92	25.92	25.75	26.3
5	16QAM	1	24	26.05	26.04	26.03	25.86	25.99	
5	16QAM	12	0	24.79	24.83	24.78	24.76	24.73	
5	16QAM	12	7	24.83	24.82	24.89	24.74	24.71	25.3
5	16QAM	12	13	24.62	24.88	24.74	24.73	24.64	
5	16QAM	25	0	24.72	24.65	24.78	24.69	24.74	
5	64QAM	1	0	24.83	24.93	24.97	24.83	24.76	
5	64QAM	1	12	24.78	24.87	24.93	24.80	24.80	25.3
5	64QAM	1	24	24.89	24.86	24.92	24.77	24.81	
5	64QAM	12	0	23.73	23.73	23.83	23.72	23.80	
5	64QAM	12	7	23.73	23.84	23.94	23.83	23.90	24.3
5	64QAM	12	13	23.84	23.77	23.90	23.82	23.82	
5	64QAM	25	0	23.73	23.87	23.89	23.85	23.77	
5	256QAM	1	0	21.74	21.89	21.79	21.62	21.85	
5	256QAM	1	12	21.78	21.79	21.80	21.81	21.79	22.3
5	256QAM	1	24	21.79	21.81	21.68	21.83	21.93	
5	256QAM	12	0	21.71	21.76	21.73	21.79	21.77	
5	256QAM	12	7	21.71	21.80	21.90	21.76	21.81	22.3
5	256QAM	12	13	21.75	21.90	21.78	21.73	21.84	
5	256QAM	25	0	21.70	21.91	21.75	21.72	21.78	

Band 41_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.58	23.46	23.58	23.60	23.48	23.8
20	QPSK	1	49	23.64	23.70	23.63	23.62	23.67	
20	QPSK	1	99	23.39	23.66	23.65	23.62	23.55	
20	QPSK	50	0	22.58	22.52	22.61	22.64	22.69	
20	QPSK	50	24	22.66	22.77	22.70	22.74	22.72	22.8
20	QPSK	50	50	22.53	22.74	22.69	22.65	22.66	
20	QPSK	100	0	22.56	22.75	22.74	22.67	22.70	
20	16QAM	1	0	22.53	22.74	22.58	22.67	22.61	
20	16QAM	1	49	22.54	22.70	22.68	22.61	22.65	22.8
20	16QAM	1	99	22.57	22.67	22.60	22.59	22.58	
20	16QAM	50	0	21.63	21.86	21.66	21.61	21.62	
20	16QAM	50	24	21.61	21.65	21.60	21.49	21.56	21.8
20	16QAM	50	50	21.57	21.52	21.54	21.56	21.58	
20	16QAM	100	0	21.53	21.52	21.53	21.60	21.58	
20	64QAM	1	0	21.61	21.66	21.52	21.58	21.58	
20	64QAM	1	49	21.60	21.61	21.45	21.51	21.54	21.8
20	64QAM	1	99	21.50	21.58	21.41	21.52	21.56	
20	64QAM	50	0	20.50	20.42	20.62	20.66	20.58	
20	64QAM	50	24	20.36	20.31	20.54	20.52	20.54	20.8
20	64QAM	50	50	20.44	20.27	20.51	20.51	20.48	
20	64QAM	100	0	20.41	20.39	20.51	20.61	20.54	
20	256QAM	1	0	18.33	18.30	18.37	18.28	18.35	
20	256QAM	1	49	18.20	18.19	18.33	18.27	18.30	18.8
20	256QAM	1	99	18.25	18.23	18.22	18.27	18.28	
20	256QAM	50	0	18.19	18.26	18.30	18.24	18.34	
20	256QAM	50	24	18.30	18.25	18.22	18.21	18.31	18.8
20	256QAM	50	50	18.26	18.22	18.31	18.27	18.21	
20	256QAM	100	0	18.22	18.28	18.31	18.26	18.31	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.54	23.32	23.56	23.57	23.38	23.8
15	QPSK	1	37	23.50	23.66	23.57	23.64	23.52	
15	QPSK	1	74	23.31	23.53	23.49	23.47	23.54	
15	QPSK	36	0	22.51	22.39	22.47	22.50	22.60	
15	QPSK	36	20	22.60	22.66	22.62	22.60	22.67	22.8
15	QPSK	36	39	22.40	22.64	22.57	22.62	22.60	
15	QPSK	75	0	22.45	22.71	22.65	22.57	22.55	
15	16QAM	1	0	22.51	22.66	22.45	22.64	22.46	
15	16QAM	1	37	22.44	22.60	22.60	22.54	22.54	22.8
15	16QAM	1	74	22.45	22.55	22.46	22.56	22.56	
15	16QAM	36	0	21.46	21.66	21.59	21.55	21.59	
15	16QAM	36	20	21.52	21.58	21.50	21.36	21.54	21.8
15	16QAM	36	39	21.51	21.49	21.41	21.48	21.57	
15	16QAM	75	0	21.49	21.53	21.42	21.48	21.47	
15	64QAM	1	0	21.54	21.64	21.45	21.52	21.48	
15	64QAM	1	37	21.54	21.52	21.38	21.50	21.39	21.8
15	64QAM	1	74	21.45	21.57	21.38	21.47	21.50	
15	64QAM	36	0	20.43	20.38	20.55	20.63	20.54	
15	64QAM	36	20	20.28	20.24	20.40	20.48	20.48	20.8
15	64QAM	36	39	20.38	20.15	20.39	20.45	20.34	
15	64QAM	75	0	20.39	20.36	20.38	20.47	20.42	
15	256QAM	1	0	18.24	18.26	18.27	18.25	18.24	
15	256QAM	1	37	18.05	18.09	18.26	18.13	18.19	18.8
15	256QAM	1	74	18.12	18.17	18.07	18.24	18.17	
15	256QAM	36	0	18.06	18.19	18.24	18.13	18.28	
15	256QAM	36	20	18.23	18.12	18.13	18.15	18.17	18.8
15	256QAM	36	39	18.18	18.14	18.19	18.16	18.06	
15	256QAM	75	0	18.16	18.25	18.23	18.11

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.33	24.53	24.33	24.29	24.41	24.8
20	QPSK	1	49	24.67	24.69	24.55	24.47	24.47	
20	QPSK	1	99	24.37	24.51	24.36	24.36	24.30	
20	QPSK	50	0	23.49	23.56	23.42	23.30	23.35	23.8
20	QPSK	50	24	23.63	23.64	23.61	23.58	23.45	
20	QPSK	50	50	23.62	23.55	23.48	23.52	23.39	
20	QPSK	100	0	23.52	23.62	23.53	23.44	23.41	
20	16QAM	1	0	23.52	23.58	23.42	23.50	23.44	23.8
20	16QAM	1	49	23.60	23.43	23.49	23.63	23.36	
20	16QAM	1	99	23.59	23.39	23.40	23.48	23.38	
20	16QAM	50	0	22.62	22.47	22.46	22.37	22.28	22.8
20	16QAM	50	24	22.68	22.58	22.59	22.47	22.27	
20	16QAM	50	50	22.57	22.61	22.57	22.43	22.34	
20	16QAM	100	0	22.58	22.55	22.48	22.44	22.33	
20	64QAM	1	0	22.58	22.35	22.27	22.34	22.22	
20	64QAM	1	49	22.22	22.40	22.56	22.50	22.25	22.8
20	64QAM	1	99	22.47	22.33	22.57	22.23	22.28	
20	64QAM	50	0	21.47	21.44	21.47	21.33	21.30	21.8
20	64QAM	50	24	21.67	21.50	21.49	21.45	21.31	
20	64QAM	50	50	21.62	21.52	21.51	21.42	21.29	
20	64QAM	100	0	21.61	21.55	21.49	21.42	21.37	
20	256QAM	1	0	19.13	19.10	19.20	19.08	19.15	19.8
20	256QAM	1	49	19.10	19.03	19.15	18.96	19.01	
20	256QAM	1	99	19.02	19.03	19.15	19.01	19.10	
20	256QAM	50	0	19.07	19.08	19.06	19.06	19.10	19.8
20	256QAM	50	24	19.12	19.00	19.12	18.93	19.14	
20	256QAM	50	50	19.07	19.06	19.05	19.04	19.00	
20	256QAM	100	0	19.05	18.97	19.08	19.00	19.09	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.28	24.38	24.19	24.18	24.27	24.8
15	QPSK	1	37	24.65	24.57	24.49	24.34	24.38	
15	QPSK	1	74	24.33	24.41	24.35	24.34	24.19	
15	QPSK	36	0	23.37	23.54	23.38	23.16	23.28	23.8
15	QPSK	36	20	23.56	23.60	23.53	23.52	23.35	
15	QPSK	36	39	23.50	23.53	23.43	23.38	23.29	
15	QPSK	75	0	23.37	23.47	23.50	23.36	23.33	
15	16QAM	1	0	23.40	23.52	23.33	23.47	23.29	23.8
15	16QAM	1	37	23.54	23.28	23.41	23.57	23.29	
15	16QAM	1	74	23.45	23.35	23.36	23.39	23.31	
15	16QAM	36	0	22.53	22.46	22.25	22.35	22.17	22.8
15	16QAM	36	20	22.65	22.49	22.55	22.36	22.20	
15	16QAM	36	39	22.44	22.54	22.44	22.38	22.23	
15	16QAM	75	0	22.47	22.45	22.45	22.29	22.20	
15	64QAM	1	0	22.43	22.25	22.12	22.31	22.21	22.8
15	64QAM	1	37	22.21	22.30	22.48	22.42	22.17	
15	64QAM	1	74	22.38	22.23	22.53	22.20	22.22	
15	64QAM	36	0	21.39	21.40	21.45	21.26	21.20	21.8
15	64QAM	36	20	21.66	21.41	21.38	21.42	21.25	
15	64QAM	36	39	21.58	21.37	21.40	21.29	21.25	
15	64QAM	75	0	21.46	21.41	21.38	21.40	21.33	
15	256QAM	1	0	19.09	19.08	19.07	19.02	19.01	19.8
15	256QAM	1	37	19.02	18.95	19.07	18.82	18.98	
15	256QAM	1	74	18.91	18.95	19.05	19.00	18.97	
15	256QAM	36	0	19.03	19.01	18.93	19.03	19.05	19.8
15	256QAM	36	20	19.00	18.88	19.04	18.86	19.13	
15	256QAM	36	39	19.03	18.98	19.00	18.94	18.95	
15	256QAM	75	0	18.95	18.83	19.07	18.97	19.08	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.25	24.51	24.30	24.17	24.28	24.8
10	QPSK	1	25	24.63	24.59	24.41	24.40	24.46	
10	QPSK	1	49	24.24	24.48	24.23	24.32	24.26	
10	QPSK	25	0	23.39	23.48	23.29	23.28	23.33	23.8
10	QPSK	25	12	23.53	23.63	23.50	23.51	23.43	
10	QPSK	25	25	23.52	23.40	23.38	23.38	23.24	
10	QPSK	50	0	23.44	23.57	23.47	23.35	23.37	
10	16QAM	1	0	23.38	23.53	23.28	23.45	23.39	23.8
10	16QAM	1	25	23.47	23.34	23.47	23.51	23.34	
10	16QAM	1	49	23.53	23.24	23.26	23.39	23.26	
10	16QAM	25	0	22.52	22.40	22.26	22.26	22.27	22.8
10	16QAM	25	12	22.55	22.56	22.53	22.37	22.19	
10	16QAM	25	25	22.48	22.54	22.42	22.31	22.33	
10	16QAM	50	0	22.54	22.47	22.46	22.33	22.32	
10	64QAM	1	0	22.55	22.33	22.17	22.41	22.07	22.8
10	64QAM	1	25	22.10	22.31	22.50	22.47	22.22	
10	64QAM	1	49	22.33	22.30	22.50	22.13	22.19	
10	64QAM	25	0	21.34	21.30	21.34	21.30	21.28	21.8
10	64QAM	25	12	21.64	21.42	21.36	21.32	21.30	
10	64QAM	25	25	21.53	21.47	21.45	21.32	21.23	
10	64QAM	50	0	21.56	21.46	21.45	21.30	21.26	
10	256QAM	1	0	18.98	19.03	19.15	19.04	19.05	19.8
10	256QAM	1	25	19.09	18.93	19.08	18.96	18.95	
10	256QAM	1	49	18.94	19.00	19.03	18.87	19.04	
10	256QAM	25	0	18.96	18.99	19.06	18.97	19.00	19.8
10	256QAM	25	12	19.06	18.93	19.06	18.79	19.02	
10	256QAM	25	25	19.02	18.91	18.97	18.92	18.88	
10	256QAM	50	0	18.97	18.90	19.04	18.86	19.03	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2546.3	2593	2640.30	2687.5	
5	QPSK	1	0	24.32	24.42	24.30	24.24	24.30	24.8
5	QPSK	1	12	24.52	24.49	24.46	24.41	24.46	
5	QPSK	1	24	24.26	24.39	24.25	24.29	24.17	
5	QPSK	12	0	23.36	23.50	23.35	23.20	23.31	23.8
5	QPSK	12	7	23.61	23.56	23.47	23.44	23.43	
5	QPSK	12	13	23.55	23.47	23.46	23.48	23.25	
5	QPSK	25	0	23.51	23.49	23.48	23.41	23.27	
5	16QAM	1	0	23.45	23.47	23.29	23.45	23.28	23.8
5	16QAM	1	12	23.45	23.53	23.35	23.22	23.24	
5	16QAM	1	24	23.48	23.28	23.30	23.46	23.28	
5	16QAM	12	0	22.47	22.35	22.35	22.30	22.15	22.8
5	16QAM	12	7	22.56	22.49	22.52	22.43	22.24	
5	16QAM	12	13	22.55	22.56	22.47	22.34	22.21	
5	16QAM	25	0	22.57	22.42	22.40	22.39	22.32	
5	64QAM	1	0	22.45	22.30	22.12	22.32	22.16	22.8
5	64QAM	1	12	22.21	22.32	22.43	22.44	22.16	
5	64QAM	1	24	22.33	22.29	22.28	22.28	22.12	
5	64QAM	12	0	21.33	21.42	21.42	21.29	21.25	21.8
5	64QAM	12	7	21.55	21.40	21.34	21.35	21.17	
5	64QAM	12	13	21.51	21.48	21.43	21.36	21.17	
5	64QAM	25	0	21.48	21.53	21.42	21.30	21.22	
5	256QAM	1	0	19.06	19.06	19.19	19.00	19.05	19.8
5	256QAM	1	12	19.07	18.89	19.05	18.84	18.90	
5	256QAM	1	24	18.97	18.96	19.14	18.95	18.99	
5	256QAM	12	0	18.92	18.94	18.97	18.91	19.04	19.8
5	256QAM	12	7	19.11	18.90	19.05	18.92	19.05	
5	256QAM	12	13	18.94	19.00	19.01	19.01	18.92	
5	256QAM	25	0	18.94	18.91	19.14	18.94	18.98	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.41	26.54	26.48	26.44	26.40	26.8
20	QPSK	1	49	26.64	26.65	26.49	26.56	26.44	
20	QPSK	1	99	26.41	26.50	26.31	26.41	26.38	
20	QPSK	50	0	25.51	25.59	25.43	25.38	25.39	25.8
20	QPSK	50	24	25.62	25.69	25.58	25.49	25.40	
20	QPSK	50	50	25.60	25.63	25.55	25.46	25.38	
20	QPSK	100	0	25.53	25.62	25.51	25.44	25.33	
20	16QAM	1	0	25.67	25.63	25.45	25.48	25.45	25.8
20	16QAM	1	49	25.70	25.53	25.70	25.65	25.66	
20	16QAM	1	99	25.71	25.60	25.46	25.52	25.67	
20	16QAM	50	0	24.60	24.51	24.38	24.41	24.36	24.8
20	16QAM	50	24	24.66	24.58	24.60	24.47	24.33	
20	16QAM	50	50	24.64	24.48	24.43	24.44	24.39	
20	16QAM	100	0	24.57	24.63	24.50	24.39	24.37	
20	64QAM	1	0	24.57	24.60	24.75	24.70	24.66	
20	64QAM	1	49	24.80	24.73	24.68	24.77	24.57	24.8
20	64QAM	1	99	24.62	24.65	24.70	24.68	24.60	
20	64QAM	50	0	23.55	23.58	23.45	23.31	23.33	23.8
20	64QAM	50	24	23.72	23.62	23.49	23.38	23.40	
20	64QAM	50	50	23.58	23.52	23.55	23.43	23.50	
20	64QAM	100	0	23.62	23.58	23.46	23.42	23.35	
20	256QAM	1	0	21.33	21.40	21.36	21.31	21.35	21.8
20	256QAM	1	49	21.25	21.34	21.23	21.20	21.29	
20	256QAM	1	99	21.26	21.33	21.24	21.29	21.26	
20	256QAM	50	0	21.29	21.35	21.24	21.26	21.31	
20	256QAM	50	24	21.24	21.35	21.33	21.19	21.28	
20	256QAM	50	50	21.25	21.37	21.23	21.24	21.21	
20	256QAM	100	0	21.29	21.39	21.27	21.23	21.31	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.29	26.46	26.34	26.39	26.27	26.8
15	QPSK	1	37	26.59	26.51	26.41	26.45	26.32	
15	QPSK	1	74	26.31	26.37	26.17	26.37	26.25	
15	QPSK	36	0	25.50	25.56	25.28	25.30	25.33	25.8
15	QPSK	36	20	25.55	25.55	25.47	25.35	25.37	
15	QPSK	36	39	25.47	25.59	25.44	25.41	25.28	
15	QPSK	75	0	25.50	25.47	25.47	25.39	25.21	
15	16QAM	1	0	25.61	25.54	25.34	25.34	25.31	25.8
15	16QAM	1	37	25.62	25.40	25.67	25.55	25.65	
15	16QAM	1	74	25.61	25.52	25.53	25.51	25.65	
15	16QAM	36	0	24.56	24.54	24.54	24.39	24.25	24.8
15	16QAM	36	20	24.63	24.47	24.59	24.33	24.29	
15	16QAM	36	39	24.54	24.39	24.40	24.29	24.36	
15	16QAM	75	0	24.54	24.56	24.36	24.32	24.22	
15	64QAM	1	0	24.56	24.53	24.73	24.58	24.51	24.8
15	64QAM	1	37	24.55	24.62	24.53	24.68	24.56	
15	64QAM	1	74	24.59	24.56	24.69	24.53	24.58	
15	64QAM	36	0	23.45	23.48	23.44	23.20	23.25	23.8
15	64QAM	36	20	23.62	23.58	23.59	23.26	23.32	
15	64QAM	36	39	23.55	23.50	23.41	23.35	23.38	
15	64QAM	75	0	23.47	23.49	23.44	23.30	23.27	
15	256QAM	1	0	21.32	21.36	21.22	21.24	21.25	21.8
15	256QAM	1	37	21.24	21.21	21.10	21.19	21.20	
15	256QAM	1	74	21.14	21.28	21.10	21.27	21.20	
15	256QAM	36	0	21.21	21.25	21.21	21.16	21.27	21.8
15	256QAM	36	20	21.23	21.26	21.24	21.07	21.25	
15	256QAM	36	39	21.21	21.27	21.16	21.09	21.08	
15	256QAM	75	0	21.20	21.26	21.13	21.20	21.26	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.27	26.40	26.35	26.37	26.26	26.8
10	QPSK	1	25	26.54	26.57	26.47	26.55	26.30	
10	QPSK	1	49	26.31	26.42	26.20	26.28	26.25	
10	QPSK	25	0	25.50	25.55	25.39	25.24	25.31	25.8
10	QPSK	25	12	25.56	25.60	25.44	25.43	25.28	
10	QPSK	25	25	25.46	25.55	25.50	25.41	25.29	
10	QPSK	50	0	25.39	25.55	25.47	25.30	25.19	
10	16QAM	1	0	25.66	25.52	25.39	25.33	25.32	25.8
10	16QAM	1	25	25.67	25.48	25.67	25.59	25.52	
10	16QAM	1	49	25.65	25.51	25.36	25.38	25.55	
10	16QAM	25	0	24.59	24.45	24.25	24.37	24.34	24.8
10	16QAM	25	12	24.51	24.48	24.54	24.34	24.18	
10	16QAM	25	25	24.49	24.36	24.32	24.34	24.34	
10	16QAM	50	0	24.45	24.55	24.39	24.28	24.27	
10	64QAM	1	0	24.56	24.51	24.70	24.55	24.55	24.8
10	64QAM	1	25	24.33	24.51	24.65	24.49	24.47	
10	64QAM	1	49	24.57	24.50	24.58	24.65	24.51	
10	64QAM	25	0	23.48	23.55	23.44	23.16	23.29	23.8
10	64QAM	25	12	23.66	23.59	23.42	23.30	23.26	
10	64QAM	25	25	23.43	23.51	23.43	23.41	23.41	
10	64QAM	50	0	23.47	23.49	23.34	23.30	23.27	
10	256QAM	1	0	21.19	21.25	21.32	21.22	21.26	21.8
10	256QAM	1	25	21.24	21.13	21.15	21.10	21.27	
10	256QAM	1	49	21.18	21.21	21.16	21.27	21.22	
10	256QAM	25	0	21.22	21.30	21.10	21.16	21.28	21.8
10	256QAM	25	12	21.10	21.34	21.23	21.15	21.19	
10	256QAM	25	25	21.20	21.14	21.13	21.18	21.15	
10	256QAM	50	0	21.23	21.26	21.25	21.10	21.26	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2546.3	2593	2640.30	2687.5	
5	QPSK	1	0	26.31	26.47	26.39	26.37	26.25	26.8
5	QPSK	1	12	26.52	26.52	26.44	26.42	26.37	
5	QPSK	1	24	26.29	26.39	26.20	26.33	26.27	
5	QPSK	12	0	25.46	25.46	25.34	25.27	25.27	25.8
5	QPSK	12	7	25.47	25.54	25.57	25.39	25.34	
5	QPSK	12	13	25.56	25.53	25.53	25.33	25.37	
5	QPSK	25	0	25.45	25.54	25.41	25.39	25.21	
5	16QAM	1	0	25.62	25.60	25.40	25.34	25.42	25.8
5	16QAM	1	12	25.68	25.59	25.69	25.56	25.65	
5	16QAM	1	24	25.57	25.55	25.35	25.48	25.64	
5	16QAM	12	0	24.51	24.39	24.34	24.27	24.25	24.8
5	16QAM	12	7	24.64	24.55	24.52	24.43	24.24	
5	16QAM	12	13	24.56	24.54	24.34	24.33	24.26	
5	16QAM	25	0	24.42	24.55	24.41	24.35	24.29	
5	64QAM	1	0	24.49	24.50	24.74	24.60	24.64	24.8
5	64QAM	1	12	24.50	24.67	24.66	24.64	24.52	
5	64QAM	1	24	24.60	24.47	24.57	24.49	24.32	
5	64QAM	12	0	23.50	23.57	23.33	23.22	23.24	23.8
5	64QAM	12	7	23.69	23.48	23.35	23.36	23.34	
5	64QAM	12	13	23.54	23.42	23.52	23.33	23.17	
5	64QAM	25	0	23.56	23.47	23.36	23.30	23.29	
5	256QAM	1	0	21.32	21.37	21.21	21.16	21.26	21.8
5	256QAM	1	12	21.18	21.32	21.18	21.16	21.21	
5	256QAM	1	24	21.23	21.30	21.20	21.15	21.24	
5	256QAM	12	0	21.22	21.27	21.09	21.15	21.16	21.8
5	256QAM	12	7	21.09	21.32	21.27	21.18	21.13	
5	256QAM	12	13	21.19	21.29	21.17	21.20	21.15	
5	256QAM	25	0	21.23	21.32	21.18	21.22	21.29	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.49	24.65	24.45	24.47	24.43	24.8
20	QPSK	1	49	24.66	24.71	24.67	24.62	24.68	
20	QPSK	1	99	24.33	24.48	24.53	24.51	24.62	
20	QPSK	50	0	23.56	23.58	23.58	23.53	23.56	23.8
20	QPSK	50	24	23.68	23.77	23.75	23.66	23.69	
20	QPSK	50	50	23.66	23.72	23.63	23.64	23.66	
20	QPSK	100	0	23.57	23.71	23.64	23.53	23.67	
20	16QAM	1	0	23.62	23.66	23.34	23.37	23.39	23.8
20	16QAM	1	49	23.33	23.73	23.65	23.39	23.50	
20	16QAM	1	99	23.62	23.47	23.62	23.36	23.55	
20	16QAM	50	0	22.46	22.69	22.60	22.50	22.55	22.8
20	16QAM	50	24	22.76	22.77	22.63	22.45	22.66	
20	16QAM	50	50	22.79	22.71	22.66	22.60	22.69	
20	16QAM	100	0	22.61	22.73	22.63	22.50	22.62	
20	64QAM	1	0	22.64	22.80	22.60	22.52	22.65	22.8
20	64QAM	1	49	22.67	22.60	22.33	22.48	22.69	
20	64QAM	1	99	22.43	22.57	22.53	22.45	22.35	
20	64QAM	50	0	21.58	21.69	21.53	21.48	21.54	21.8
20	64QAM	50	24	21.62	21.77	21.66	21.67	21.54	
20	64QAM	50	50	21.58	21.70	21.68	21.46	21.66	
20	64QAM	100	0	21.64	21.72	21.66	21.47	21.61	
20	256QAM	1	0	19.23	19.18	19.27	19.22	19.20	19.8
20	256QAM	1	49	19.08	19.05	19.13	19.19	19.16	
20	256QAM	1	99	19.16	19.07	19.23	19.17	19.09	
20	256QAM	50	0	19.20	19.05	19.21	19.21	19.17	19.8
20	256QAM	50	24	19.20	19.14	19.14	19.19	19.12	
20	256QAM	50	50	19.18	19.16	19.22	19.09	19.05	
20	256QAM	100	0	19.15	19.11	19.20	19.21	19.08	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.44	24.59	24.42	24.44	24.42	24.8
15	QPSK	1	37	24.57	24.65	24.63	24.58	24.62	
15	QPSK	1	74	24.25	24.56	24.43	24.39	24.52	
15	QPSK	36	0	23.53	23.52	23.54	23.42	23.55	23.8
15	QPSK	36	20	23.56	23.66	23.70	23.60	23.57	
15	QPSK	36	39	23.54	23.62	23.61	23.50	23.55	
15	QPSK	75	0	23.42	23.56	23.53	23.38	23.59	
15	16QAM	1	0	23.59	23.50	23.25	23.26	23.28	23.8
15	16QAM	1	37	23.29	23.58	23.50	23.24	23.35	
15	16QAM	1	74	23.50	23.33	23.54	23.27	23.42	
15	16QAM	36	0	22.32	22.59	22.56	22.46	22.53	22.8
15	16QAM	36	20	22.74	22.66	22.49	22.42	22.63	
15	16QAM	36	39	22.74	22.69	22.63	22.47	22.58	
15	16QAM	75	0	22.57	22.68	22.50	22.40	22.55	
15	64QAM	1	0	22.54	22.36	22.54	22.47	22.56	22.8
15	64QAM	1	37	22.52	22.54	22.23	22.38	22.51	
15	64QAM	1	74	22.35	22.54	22.45	22.41	22.34	
15	64QAM	36	0	21.48	21.65	21.39	21.45	21.53	21.8
15	64QAM	36	20	21.58	21.64	21.53	21.62	21.41	
15	64QAM	36	39	21.56	21.59	21.57	21.39	21.54	
15	64QAM	75	0	21.53	21.60	21.56	21.41	21.47	
15	256QAM	1	0	19.12	19.03	19.22	19.16	19.14	19.8
15	256QAM	1	37	19.06	18.95	19.02	19.17	19.03	
15	256QAM	1	74	19.06	19.04	19.19	19.06	19.01	
15	256QAM	36	0	19.09	18.98	19.16	19.18	19.05	19.8
15	256QAM	36	20	19.09	19.12	18.99	19.19	18.98	
15	256QAM	36	39	19.12	19.02	19.09	19.03	18.92	
15	256QAM	75	0	19.03	19.05	19.15	19.19	19.06

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.03	20.10	20.12	19.83	
20	QPSK	1	49	24.04	24.24	24.11	24.04	24.8
20	QPSK	1	99	19.03	20.29	20.05	20.07	
20	QPSK	50	0	23.10	23.31	23.24	23.05	
20	QPSK	50	24	23.11	23.35	23.25	23.20	23.8
20	QPSK	50	50	23.07	23.30	23.15	23.12	
20	QPSK	100	0	18.13	18.20	18.22	18.09	18.8
20	16QAM	1	0	19.01	19.25	19.08	19.10	
20	16QAM	1	49	23.13	23.37	23.23	23.10	23.8
20	16QAM	1	99	19.18	19.47	19.04	19.14	
20	16QAM	50	0	22.12	22.33	22.30	22.10	
20	16QAM	50	24	22.16	22.38	22.27	22.19	22.8
20	16QAM	50	50	22.07	22.37	22.15	22.11	
20	16QAM	100	0	17.13	17.25	17.30	17.12	17.8
20	64QAM	1	0	18.10	18.41	18.37	18.09	
20	64QAM	1	49	22.39	22.46	22.21	22.15	22.8
20	64QAM	1	99	18.10	18.41	18.22	18.17	
20	64QAM	50	0	21.16	21.31	21.30	21.10	
20	64QAM	50	24	21.16	21.37	21.25	21.17	21.8
20	64QAM	50	50	21.08	21.34	21.18	21.06	
20	64QAM	100	0	16.13	16.33	16.24	16.20	16.8
20	256QAM	1	0	14.99	15.10	15.08	14.93	
20	256QAM	1	49	19.11	19.33	19.28	19.08	19.8
20	256QAM	1	99	15.00	15.15	15.03	14.97	
20	256QAM	50	0	19.19	19.36	19.29	19.12	
20	256QAM	50	24	19.22	19.41	19.26	19.19	19.8
20	256QAM	50	50	19.13	19.38	19.14	19.09	
20	256QAM	100	0	16.11	16.35	16.22	16.11	16.8
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3558	3642	3692.5	3692.5	
15	QPSK	1	0	19.94	19.96	20.10	19.79	
15	QPSK	1	37	23.94	24.14	24.09	24.04	24.8
15	QPSK	1	74	19.80	20.06	19.98	19.92	
15	QPSK	36	0	22.98	23.23	23.13	23.04	
15	QPSK	36	20	22.96	23.23	23.18	23.08	23.8
15	QPSK	36	39	22.95	23.23	23.02	23.09	
15	QPSK	75	0	18.07	18.12	18.08	17.95	18.8
15	16QAM	1	0	18.95	19.12	19.04	18.97	
15	16QAM	1	37	22.99	23.32	23.13	23.06	23.8
15	16QAM	1	74	19.12	19.42	18.95	19.08	
15	16QAM	36	0	22.00	22.18	22.16	21.99	
15	16QAM	36	20	22.06	22.24	22.23	22.18	22.8
15	16QAM	36	39	21.99	22.32	22.00	22.01	
15	16QAM	75	0	17.03	17.10	17.15	17.00	17.8
15	64QAM	1	0	18.00	18.33	18.36	17.99	
15	64QAM	1	37	22.34	22.32	22.13	22.10	22.8
15	64QAM	1	74	18.03	18.36	18.11	18.02	
15	64QAM	36	0	21.03	21.16	21.15	21.09	
15	64QAM	36	20	21.01	21.28	21.19	21.03	21.8
15	64QAM	36	39	21.01	21.22	21.13	21.06	
15	64QAM	75	0	15.98	16.19	16.23	16.20	16.8
15	256QAM	1	0	14.88	15.01	15.04	14.85	
15	256QAM	1	37	18.97	19.30	19.16	19.08	19.8
15	256QAM	1	74	14.93	15.05	15.03	14.88	
15	256QAM	36	0	19.05	19.32	19.26	19.04	
15	256QAM	36	20	19.10	19.36	19.18	19.14	19.8
15	256QAM	36	39	19.00	19.30	19.12	19.09	
15	256QAM	75	0	16.06	16.24	16.21	16.09	16.8
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.88	19.99	19.98	19.82	
10	QPSK	1	25	23.89	24.09	24.09	23.90	24.8
10	QPSK	1	49	19.78	20.05	19.92	20.03	
10	QPSK	25	0	22.98	23.26	23.09	22.92	
10	QPSK	25	12	22.96	23.30	23.10	23.10	23.8
10	QPSK	25	25	22.97	23.23	23.04	23.01	
10	QPSK	50	0	17.98	18.09	18.22	17.96	18.8
10	16QAM	1	0	18.89	19.18	19.03	19.09	
10	16QAM	1	25	23.00	23.25	23.18	22.96	23.8
10	16QAM	1	49	19.09	19.41	18.90	19.03	
10	16QAM	25	0	21.97	22.24	22.17	21.98	
10	16QAM	25	12	22.09	22.24	22.24	22.11	22.8
10	16QAM	25	25	21.93	22.32	22.15	21.98	
10	16QAM	50	0	17.03	17.11	17.18	17.08	17.8
10	64QAM	1	0	18.01	18.29	18.31	18.08	
10	64QAM	1	25	22.27	22.34	22.18	22.05	22.8
10	64QAM	1	49	17.95	18.27	18.14	18.12	
10	64QAM	25	0	21.11	21.26	21.25	21.04	
10	64QAM	25	12	21.06	21.22	21.21	21.03	21.8
10	64QAM	25	25	20.98	21.22	21.17	20.99	
10	64QAM	50	0	16.06	16.25	16.24	16.17	16.8
10	256QAM	1	0	14.86	15.04	15.03	14.90	
10	256QAM	1	25	19.08	19.35	19.13	18.95	19.8
10	256QAM	1	49	14.86	15.06	14.97	14.96	
10	256QAM	25	0	19.16	19.23	19.16	19.10	
10	256QAM	25	12	19.16	19.36	19.22	19.13	19.8
10	256QAM	25	25	19.00	19.29	19.04	19.00	
10	256QAM	50	0	16.11	16.32	16.08	16.05	16.8
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.89	20.03	19.97	19.75	
5	QPSK	1	12	23.90	24.12	24.05	23.98	24.8
5	QPSK	1	24	19.79	20.15	20.00	19.93	
5	QPSK	12	0	23.02	23.20	23.10	23.04	
5	QPSK	12	7	22.99	23.29	23.16	23.07	23.8
5	QPSK	12	13	23.02	23.16	23.01	23.04	
5	QPSK	25	0	18.02	18.07	18.20	18.09	18.8
5	16QAM	1	0	18.92	19.11	19.03	18.96	
5	16QAM	1	12	23.05	23.22	23.21	23.03	23.8
5	16QAM	1	24	19.03	19.37	18.92	19.08	
5	16QAM	12	0	22.00	22.18	22.23	21.98	
5	16QAM	12	7	22.11	22.32	22.20	22.18	22.8
5	16QAM	12	13	21.99	22.28	22.05	22.06	
5	16QAM	25	0	17.03	17.11	17.19	17.02	17.8
5	64QAM	1	0	17.95	18.33	18.31	18.09	
5	64QAM	1	12	22.24	22.35	22.16	22.06	22.8
5	64QAM	1	24	17.96	18.16	18.08	18.09	
5	64QAM	12	0	21.05	21.16	21.16	21.08	
5	64QAM	12	7	21.01	21.30	21.10	21.10	21.8
5	64QAM	12	13	21.00	21.20	21.18	20.96	
5	64QAM	25	0	16.08	16.27	16.16	16.20	16.8
5	256QAM	1	0	14.92	14.95	14.99	14.92	
5	256QAM	1	12	19.00	19.31	19.21	18.99	19.8
5	256QAM	1	24	14.91	15.15	14.90	14.97	
5	256QAM	12	0	19.16	19.24	19.16	19.00	
5	256QAM	12	7	19.21	19.35	19.23	19.04	19.8
5	256QAM	12	13	19.03	19.30	19.10	19.07	
5	256QAM	25	0	16.07	16.33	16.14	16.09	16.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	19.81	19.85	19.92	19.69	
20	QPSK	1	49	23.96	24.09	24.10	23.83	24.3
20	QPSK	1	99	19.04	19.94	20.02	19.80	
20	QPSK	50	0	22.95	23.00	23.07	22.85	
20	QPSK	50	24	23.03	23.08	23.14	22.92	23.3
20	QPSK	50	50	23.02	23.06	23.11	22.85	
20	QPSK	100	0	18.00	18.00	18.07	17.85	18.3
20	16QAM	1	0	18.88	18.94	18.99	18.79	
20	16QAM	1	49	23.15	23.18	23.24	23.02	23.3
20	16QAM	1	99	18.99	19.04	19.13	18.84	
20	16QAM	50	0	22.00	21.99	22.09	21.84	
20	16QAM	50	24	21.97	22.01	22.13	21.87	22.3
20	16QAM	50	50	22.02	22.06	22.14	21.92	
20	16QAM	100	0	16.98	17.02	17.05	16.83	17.3
20	64QAM	1	0	18.00	18.04	18.09	17.89	
20	64QAM	1	49	22.13	22.19	22.23	22.05	22.3
20	64QAM	1	99	18.06	18.06	18.15	17.92	
20	64QAM	50	0	20.94	20.97	21.07	20.81	
20	64QAM	50	24	21.02	21.09	21.16	20.93	21.3
20	64QAM	50	50	21.02	21.02	21.13	20.84	
20	64QAM	100	0	15.94	16.02	16.07	15.86	16.3
20	256QAM	1	0	14.91	14.94	15.01	14.74	
20	256QAM	1	49	19.11	19.18	19.22	19.00	19.3
20	256QAM	1	99	14.85	14.92	15.01	14.76	
20	256QAM	50	0	19.02	19.01	19.10	18.84	
20	256QAM	50	24	19.02	19.06	19.11	18.87	19.3
20	256QAM	50	50	18.96	19.02	19.11	18.86	
20	256QAM	100	0	15.93	15.96	16.04	15.79	16.3
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	19.66	19.71	19.87	19.64	
15	QPSK	1	37	23.90	23.89	24.01	23.83	24.3
15	QPSK	1	74	19.86	19.88	19.98	19.80	
15	QPSK	36	0	22.92	22.95	22.92	22.72	
15	QPSK	36	20	22.96	22.96	23.12	22.88	23.3
15	QPSK	36	39	22.90	22.99	23.07	22.85	
15	QPSK	75	0	17.93	17.87	17.95	17.85	18.3
15	16QAM	1	0	18.80	18.88	18.97	18.67	
15	16QAM	1	37	23.03	23.09	23.16	22.90	23.3
15	16QAM	1	74	18.93	18.97	19.05	18.72	
15	16QAM	36	0	21.93	21.84	22.00	21.72	
15	16QAM	36	20	21.89	21.90	21.99	21.80	22.3
15	16QAM	36	39	21.93	21.91	22.06	21.87	
15	16QAM	75	0	16.87	16.91	16.91	16.80	17.3
15	64QAM	1	0	17.93	17.91	17.94	17.78	
15	64QAM	1	37	22.02	22.04	22.14	21.90	22.3
15	64QAM	1	74	17.96	17.99	18.08	17.85	
15	64QAM	36	0	20.87	20.90	20.99	20.80	
15	64QAM	36	20	20.93	20.97	21.04	20.85	21.3
15	64QAM	36	39	20.96	20.87	21.00	20.84	
15	64QAM	75	0	15.80	15.91	15.97	15.74	16.3
15	256QAM	1	0	14.81	14.79	14.86	14.63	
15	256QAM	1	37	18.99	19.13	19.15	18.86	19.3
15	256QAM	1	74	14.82	14.82	14.87	14.72	
15	256QAM	36	0	18.94	18.93	18.97	18.77	
15	256QAM	36	20	18.89	19.02	18.97	18.73	19.3
15	256QAM	36	39	18.90	18.95	18.97	18.79	
15	256QAM	75	0	15.83	15.86	15.99	15.67	16.3
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.69	19.71	19.87	19.56	
10	QPSK	1	25	23.85	23.85	23.96	23.80	24.3
10	QPSK	1	49	19.80	19.85	19.90	19.75	
10	QPSK	25	0	22.88	22.86	23.04	22.72	
10	QPSK	25	12	22.94	23.00	23.07	22.88	23.3
10	QPSK	25	25	22.95	22.97	23.09	22.77	
10	QPSK	50	0	17.90	17.95	18.04	17.74	18.3
10	16QAM	1	0	18.81	18.80	18.92	18.68	
10	16QAM	1	25	23.03	23.10	23.18	23.02	23.3
10	16QAM	1	49	18.92	18.92	18.99	18.81	
10	16QAM	25	0	21.90	21.92	22.06	21.75	
10	16QAM	25	12	21.91	21.98	22.05	21.78	22.3
10	16QAM	25	25	21.96	21.98	22.12	21.78	
10	16QAM	50	0	16.84	16.89	17.05	16.68	17.3
10	64QAM	1	0	17.94	17.95	18.00	17.84	
10	64QAM	1	25	22.00	22.12	22.16	22.04	22.3
10	64QAM	1	49	17.99	17.93	18.08	17.84	
10	64QAM	25	0	20.87	20.91	21.03	20.69	
10	64QAM	25	12	20.87	21.03	21.12	20.93	21.3
10	64QAM	25	25	20.93	20.96	21.10	20.71	
10	64QAM	50	0	15.87	15.90	15.92	15.79	16.3
10	256QAM	1	0	14.86	14.82	14.89	14.59	
10	256QAM	1	25	18.93	19.13	19.10	18.92	19.3
10	256QAM	1	49	14.72	14.89	14.92	14.76	
10	256QAM	25	0	18.88	19.01	18.99	18.75	
10	256QAM	25	12	18.94	18.91	19.03	18.79	19.3
10	256QAM	25	25	18.94	18.89	19.10	18.72	
10	256QAM	50	0	15.89	15.94	16.02	15.74	16.3
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.71	19.71	19.89	19.66	
5	QPSK	1	12	23.84	23.90	23.97	23.69	24.3
5	QPSK	1	24	19.79	19.85	19.87	19.85	
5	QPSK	12	0	22.84	22.87	23.05	22.84	
5	QPSK	12	7	22.98	23.03	23.04	22.79	23.3
5	QPSK	12	13	22.87	22.98	23.06	22.81	
5	QPSK	25	0	17.93	17.94	17.95	17.72	18.3
5	16QAM	1	0	18.81	18.89	18.92	18.77	
5	16QAM	1	12	23.08	23.08	23.09	22.90	23.3
5	16QAM	1	24	18.92	18.96	19.02	18.82	
5	16QAM	12	0	21.85	21.89	21.98	21.81	
5	16QAM	12	7	21.90	21.87	21.98	21.78	22.3
5	16QAM	12	13	21.92	21.98	22.10	21.88	
5	16QAM	25	0	16.88	16.90	16.99	16.74	17.3
5	64QAM	1	0	17.88	17.93	17.99	17.78	
5	64QAM	1	12	21.98	22.08	22.14	21.98	22.3
5	64QAM	1	24	17.93	17.94	17.98	17.84	
5	64QAM	12	0	20.85	20.87	20.94	20.70	
5	64QAM	12	7	20.88	20.94	21.08	20.88	21.3
5	64QAM	12	13	20.89	20.97	21.13	20.77	
5	64QAM	25	0	15.86	15.89	16.05	15.76	16.3
5	256QAM	1	0	14.80	14.83	14.96	14.64	
5	256QAM	1	12	19.01	19.11	19.11	18.97	19.3
5	256QAM	1	24	14.74	14.80	14.92	14.72	
5	256QAM	12	0	18.92	18.89	18.97	18.84	
5	256QAM	12	7	18.87	19.04	19.03	18.78	19.3
5	256QAM	12	13	18.86	18.87	18.97	18.82	
5	256QAM	25	0	15.85	15.92	15.96	15.76	16.3

Band 48_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.51	20.47	20.57	20.33	
20	QPSK	1	49	24.40	24.33	24.42	24.20	24.8
20	QPSK	1	99	20.32	20.24	20.37	20.09	
20	QPSK	50	0	23.20	23.15	23.25	23.05	
20	QPSK	50	24	23.36	23.31	23.43	23.18	23.8
20	QPSK	50	50	23.35	23.27	23.40	23.14	
20	QPSK	100	0	18.34	18.29	18.41	18.17	19
20	16QAM	1	0	19.55	19.47	19.56	19.31	
20	16QAM	1	49	23.47	23.40	23.51	23.28	23.8
20	16QAM	1	99	19.43	19.36	19.48	19.25	
20	16QAM	50	0	22.37	22.34	22.43	22.20	
20	16QAM	50	24	22.34	22.29	22.39	22.19	22.8
20	16QAM	50	50	22.36	22.29	22.41	22.13	
20	16QAM	100	0	17.38	17.34	17.42	17.17	18
20	64QAM	1	0	18.43	18.38	18.49	18.23	
20	64QAM	1	49	22.53	22.43	22.54	22.30	22.8
20	64QAM	1	99	18.34	18.34	18.39	18.16	
20	64QAM	50	0	21.35	21.28	21.41	21.15	
20	64QAM	50	24	21.37	21.34	21.47	21.18	21.8
20	64QAM	50	50	21.33	21.30	21.38	21.13	
20	64QAM	100	0	16.47	16.45	16.51	16.28	17
20	256QAM	1	0	15.23	15.18	15.24	15.01	
20	256QAM	1	49	19.33	19.28	19.38	19.19	19.8
20	256QAM	1	99	15.31	15.25	15.39	15.15	
20	256QAM	50	0	19.37	19.31	19.44	19.18	
20	256QAM	50	24	19.42	19.37	19.43	19.21	19.8
20	256QAM	50	50	19.32	19.30	19.41	19.13	
20	256QAM	100	0	16.36	16.35	16.46	16.22	17
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.36	20.37	20.50	20.20	
15	QPSK	1	37	24.29	24.19	24.38	24.17	24.8
15	QPSK	1	74	20.18	20.18	20.29	20.04	
15	QPSK	36	0	23.14	23.08	23.20	22.95	
15	QPSK	36	20	23.21	23.17	23.42	23.18	23.8
15	QPSK	36	39	23.20	23.21	23.36	23.14	
15	QPSK	75	0	18.20	18.17	18.28	18.15	19
15	16QAM	1	0	19.46	19.37	19.54	19.23	
15	16QAM	1	37	23.40	23.33	23.49	23.22	23.8
15	16QAM	1	74	19.30	19.30	19.48	19.17	
15	16QAM	36	0	22.23	22.22	22.39	22.11	
15	16QAM	36	20	22.23	22.23	22.24	22.09	22.8
15	16QAM	36	39	22.22	22.19	22.39	22.12	
15	16QAM	75	0	17.23	17.24	17.28	17.06	18
15	64QAM	1	0	18.35	18.25	18.44	18.08	
15	64QAM	1	37	22.45	22.29	22.50	22.21	22.8
15	64QAM	1	74	18.27	18.26	18.32	18.10	
15	64QAM	36	0	21.25	21.23	21.31	21.15	
15	64QAM	36	20	21.24	21.29	21.47	21.14	21.8
15	64QAM	36	39	21.24	21.20	21.34	21.09	
15	64QAM	75	0	16.32	16.32	16.41	16.13	17
15	256QAM	1	0	15.16	15.11	15.18	14.98	
15	256QAM	1	37	19.26	19.13	19.32	19.16	19.8
15	256QAM	1	74	15.18	15.11	15.31	15.13	
15	256QAM	36	0	19.22	19.22	19.41	19.15	
15	256QAM	36	20	19.28	19.27	19.38	19.19	19.8
15	256QAM	36	39	19.20	19.27	19.32	19.13	
15	256QAM	75	0	16.36	16.24	16.36	16.14	17
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.41	20.39	20.52	20.20	
10	QPSK	1	25	24.28	24.23	24.33	24.09	24.8
10	QPSK	1	49	20.17	20.12	20.34	20.02	
10	QPSK	25	0	23.15	23.04	23.23	22.92	
10	QPSK	25	12	23.21	23.23	23.42	23.10	23.8
10	QPSK	25	25	23.22	23.13	23.27	23.02	
10	QPSK	50	0	18.23	18.16	18.40	18.06	19
10	16QAM	1	0	19.49	19.41	19.41	19.22	
10	16QAM	1	25	23.36	23.31	23.48	23.17	23.8
10	16QAM	1	49	19.30	19.25	19.35	19.15	
10	16QAM	25	0	22.28	22.28	22.39	22.14	
10	16QAM	25	12	22.22	22.15	22.26	22.19	22.8
10	16QAM	25	25	22.26	22.14	22.30	22.10	
10	16QAM	50	0	17.29	17.24	17.42	17.17	18
10	64QAM	1	0	18.28	18.33	18.44	18.09	
10	64QAM	1	25	22.40	22.32	22.54	22.21	22.8
10	64QAM	1	49	18.24	18.22	18.39	18.05	
10	64QAM	25	0	21.26	21.13	21.32	21.03	
10	64QAM	25	12	21.25	21.24	21.43	21.12	21.8
10	64QAM	25	25	21.22	21.17	21.26	20.99	
10	64QAM	50	0	16.38	16.33	16.49	16.14	17
10	256QAM	1	0	15.16	15.10	15.11	14.88	
10	256QAM	1	25	19.31	19.23	19.31	19.13	19.8
10	256QAM	1	49	15.16	15.25	15.33	15.01	
10	256QAM	25	0	19.34	19.19	19.29	19.11	
10	256QAM	25	12	19.34	19.33	19.43	19.06	19.8
10	256QAM	25	25	19.18	19.30	19.34	19.10	
10	256QAM	50	0	16.27	16.29	16.46	16.17	17
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.42	20.38	20.57	20.23	
5	QPSK	1	12	24.33	24.32	24.36	24.12	24.8
5	QPSK	1	24	20.26	20.14	20.37	20.02	
5	QPSK	12	0	23.05	23.01	23.10	23.01	
5	QPSK	12	7	23.

Reduced Power Mode for DSI4

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.75	32.80	32.77	**34.00**	23.75	23.80	23.77	25.00
GPRS 1 Tx slot		32.72	32.77	32.69	**34.00**	23.72	23.77	23.69	25.00
GPRS 2 Tx slots		29.83	29.70	29.68	**31.00**	23.83	23.70	23.68	25.00
GPRS 3 Tx slots		27.88	27.93	27.85	**29.20**	23.62	23.67	23.59	24.94
GPRS 4 Tx slots		27.15	26.68	26.70	**28.50**	24.15	23.68	23.70	25.50
EDGE(GMSK 1 Tx slot)		32.57	32.75	32.54	**34.00**	23.57	23.75	23.54	25.00
EDGE(GMSK 2 Tx slot)		29.68	29.55	29.63	**31.00**	23.68	23.55	23.63	25.00
EDGE(GMSK 3 Tx slot)		27.73	27.91	27.71	**29.20**	23.47	23.65	23.45	24.94
EDGE(GMSK 4 Tx slot)		27.05	26.66	26.55	**28.50**	24.05	23.66	23.55	25.50
EDGE 1 Tx slot		26.95	26.77	26.82	**28.00**	17.95	17.77	17.82	19.00
EDGE 2 Tx slots		23.85	23.79	23.70	**25.00**	17.85	17.79	17.70	19.00
EDGE 3 Tx slots		22.08	21.68	21.66	**23.50**	17.82	17.42	17.40	19.24
EDGE 4 Tx slots		21.00	20.66	20.69	**22.50**	18.00	17.66	17.69	19.50
DTM Multi-slot class 5	GSM 1 Tx slot	29.54	29.44	29.58	**31.00**	23.56	23.44	23.57	24.98
	GPRS 1 Tx slot	29.62	29.48	29.60	**31.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.55	29.41	29.50	**31.00**	23.55	23.43	23.49	24.98
	GPRS 1 Tx slot	29.59	29.49	29.53	**31.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.59	27.76	27.56	**29.20**	23.35	23.56	23.31	24.94
	GPRS 2 Tx slots	27.62	27.85	27.58	**29.20**				
DTM Multi-slot class 5	GSM 1 Tx slot	29.61	29.48	29.51	**31.00**	21.59	21.46	21.48	22.94
	EDGE 1 Tx slot	23.80	23.66	23.64	**25.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.60	29.46	29.54	**31.00**	21.57	21.44	21.49	22.94
	EDGE 1 Tx slot	23.72	23.66	23.57	**25.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.60	27.83	27.60	**29.20**	20.46	20.50	20.32	22.04
	EDGE 2 Tx slots	21.96	21.62	21.55	**23.50**				

GSM1900_Ant 5		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.66	30.60	30.77	**31.50**	21.66	21.60	21.77	22.50
GPRS 1 Tx slot		30.63	30.57	30.72	**31.50**	21.63	21.57	21.72	22.50
GPRS 2 Tx slots		27.00	26.97	26.92	**28.00**	21.00	20.97	20.92	22.00
GPRS 3 Tx slots		25.22	25.28	25.52	**26.50**	20.96	21.02	21.26	22.24
GPRS 4 Tx slots		24.20	24.30	24.55	**25.50**	21.20	21.30	21.55	22.50
EDGE(GMSK 1 Tx slot)		30.48	30.46	30.63	**31.50**	21.48	21.46	21.63	22.50
EDGE(GMSK 2 Tx slot)		26.99	26.87	26.86	**28.00**	20.99	20.87	20.86	22.00
EDGE(GMSK 3 Tx slot)		25.08	25.26	25.41	**26.50**	20.82	21.00	21.15	22.24
EDGE(GMSK 4 Tx slot)		24.06	24.15	24.53	**25.50**	21.06	21.15	21.53	22.50
EDGE 1 Tx slot		26.20	26.15	26.12	**27.00**	17.20	17.15	17.12	18.00
EDGE 2 Tx slots		23.10	23.22	23.18	**24.00**	17.10	17.22	17.18	18.00
EDGE 3 Tx slots		21.88	22.00	21.92	**22.80**	17.62	17.74	17.66	18.54
EDGE 4 Tx slots		21.65	21.70	21.64	**22.60**	18.65	18.70	18.64	19.60
DTM Multi-slot class 5	GSM 1 Tx slot	26.86	26.74	26.76	**28.00**	20.86	20.74	20.77	21.98
	GPRS 1 Tx slot	26.91	26.79	26.82	**28.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.87	26.72	26.76	**28.00**	20.85	20.74	20.75	21.98
	GPRS 1 Tx slot	26.88	26.81	26.79	**28.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	24.96	25.11	25.34	**26.50**	20.72	20.88	21.14	22.24
	GPRS 2 Tx slots	24.99	25.16	25.43	**26.50**				
DTM Multi-slot class 5	GSM 1 Tx slot	26.87	26.80	26.79	**28.00**	19.33	19.31	19.31	20.42
	EDGE 1 Tx slot	23.00	23.09	23.11	**24.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.88	26.78	26.80	**28.00**	19.35	19.30	19.30	20.42
	EDGE 1 Tx slot	23.04	23.12	23.07	**24.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	25.00	25.13	25.29	**26.50**	18.87	18.98	19.03	20.15
	EDGE 2 Tx slots	21.76	21.85	21.79	**22.80**				

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.75	19.84	19.71	**21.30**	21.09	21.19	21.22	**22.00**
3GPP Rel 99	RMC 12.2Kbps	19.80	19.88	19.82	**21.30**	21.22	21.33	21.25	**22.00**
3GPP Rel 6	HSDPA Subtest-1	18.98	19.10	19.02	**20.30**	20.35	20.43	20.36	**21.00**
3GPP Rel 6	HSDPA Subtest-2	18.94	19.07	19.05	**20.30**	20.50	20.41	20.43	**21.00**
3GPP Rel 6	HSDPA Subtest-3	18.51	18.57	18.42	**19.80**	19.91	19.94	19.92	**20.50**
3GPP Rel 6	HSDPA Subtest-4	18.44	18.49	18.51	**19.80**	19.89	19.90	19.91	**20.50**
3GPP Rel 8	DC-HSDPA Subtest-1	18.83	18.88	18.89	**20.30**	20.32	20.31	20.26	**21.00**
3GPP Rel 8	DC-HSDPA Subtest-2	18.90	19.02	18.85	**20.30**	20.29	20.38	20.31	**21.00**
3GPP Rel 8	DC-HSDPA Subtest-3	18.34	18.47	18.42	**19.80**	19.85	19.95	19.82	**20.50**
3GPP Rel 8	DC-HSDPA Subtest-4	18.36	18.45	18.33	**19.80**	19.81	19.89	19.81	**20.50**
3GPP Rel 6	HSUPA Subtest-1	18.93	19.11	19.06	**20.30**	20.44	20.45	20.46	**21.00**
3GPP Rel 6	HSUPA Subtest-2	16.99	17.13	17.13	**18.30**	18.40	18.55	18.50	**19.00**
3GPP Rel 6	HSUPA Subtest-3	18.04	18.10	18.10	**19.30**	19.40	19.54	19.41	**20.00**
3GPP Rel 6	HSUPA Subtest-4	16.90	17.13	17.07	**18.30**	18.41	18.52	18.46	**19.00**
3GPP Rel 6	HSUPA Subtest-5	18.99	19.06	19.12	**20.30**	20.41	20.52	20.41	**21.00**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.84	17.02	16.89	**18.30**	18.40	18.42	18.23	**19.00**

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.65	21.66	21.62	**22.30**	22.73	22.75	22.69	**23.50**
3GPP Rel 99	RMC 12.2Kbps	21.69	21.75	21.70	**22.30**	22.77	22.82	22.73	**23.50**
3GPP Rel 6	HSDPA Subtest-1	20.98	20.96	20.88	**21.30**	22.01	21.94	22.00	**22.50**
3GPP Rel 6	HSDPA Subtest-2	20.93	20.99	20.92	**21.30**	21.92	21.93	22.03	**22.50**
3GPP Rel 6	HSDPA Subtest-3	20.39	20.47	20.40	**20.80**	21.41	21.54	21.43	**22.00**
3GPP Rel 6	HSDPA Subtest-4	20.41	20.47	20.30	**20.80**	21.47	21.39	21.50	**22.00**
3GPP Rel 8	DC-HSDPA Subtest-1	20.81	20.76	20.81	**21.30**	21.82	21.81	21.88	**22.50**
3GPP Rel 8	DC-HSDPA Subtest-2	20.80	20.88	20.84	**21.30**	21.95	21.99	21.83	**22.50**
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.26	20.24	**20.80**	21.29	21.40	21.34	**22.00**
3GPP Rel 8	DC-HSDPA Subtest-4	20.36	20.42	20.29	**20.80**	21.37	21.30	21.34	**22.00**
3GPP Rel 6	HSUPA Subtest-1	20.85	20.91	20.92	**21.30**	21.90	21.97	22.00	**22.50**
3GPP Rel 6	HSUPA Subtest-2	18.89	19.00	18.98	**19.30**	19.95	20.05	19.96	**20.50**
3GPP Rel 6	HSUPA Subtest-3	19.95	19.90	19.97	**20.30**	20.91	20.99	21.09	**21.50**
3GPP Rel 6	HSUPA Subtest-4	18.89	18.94	18.85	**19.30**	20.03	20.00	20.00	**20.50**
3GPP Rel 6	HSUPA Subtest-5	20.89	20.86	20.97	**21.30**	21.99	22.01	22.01	**22.50**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.76	18.88	18.78	**19.30**	19.91	19.75	19.93	**20.50**

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.34	22.36	22.28	**23.30**	24.15	24.12	24.05	**24.80**
3GPP Rel 99	RMC 12.2Kbps	22.40	22.41	22.34	**23.30**	24.17	24.20	24.13	**24.80**
3GPP Rel 6	HSDPA Subtest-1	21.11	21.03	21.01	**22.30**	23.04	22.97	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-2	21.11	21.09	20.93	**22.30**	23.06	22.94	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-3	20.75	20.61	20.46	**21.80**	22.57	22.44	22.40	**23.30**
3GPP Rel 6	HSDPA Subtest-4	20.70	20.58	20.47	**21.80**	22.54	22.44	22.39	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-1	21.10	21.02	20.94	**22.30**	22.89	22.84	22.74	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-2	21.19	20.99	20.94	**22.30**	23.01	22.83	22.83	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-3	20.56	20.47	20.42	**21.80**	22.50	22.36	22.28	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-4	20.49	20.49	20.30	**21.80**	22.40	22.29	22.31	**23.30**
3GPP Rel 6	HSUPA Subtest-1	20.99	21.04	21.01	**22.30**	23.01	22.95	22.89	**23.80**
3GPP Rel 6	HSUPA Subtest-2	19.12	19.01	18.96	**20.30**	21.03	20.91	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-3	19.99	20.07	19.90	**21.30**	22.01	21.96	21.86	**22.80**
3GPP Rel 6	HSUPA Subtest-4	18.92	18.99	19.00	**20.30**	21.01	20.90	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-5	20.60	21.08	20.89	**22.30**	23.00	22.90	22.90	**23.80**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.95	19.00	18.85	**20.30**	20.96	20.79	20.76	**21.80**

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.02	21.21	21.09	
20	QPSK	1	49	21.16	21.24	21.13	22
20	QPSK	1	99	21.10	21.17	21.05	
20	QPSK	50	0	21.12	21.10	21.05	
20	QPSK	50	24	21.14	21.20	21.12	22
20	QPSK	50	50	21.06	21.12	21.07	
20	QPSK	100	0	21.05	21.18	21.08	
20	16QAM	1	0	21.06	21.14	21.10	
20	16QAM	1	49	21.10	21.20	21.08	22
20	16QAM	1	99	21.10	21.23	21.00	
20	16QAM	50	0	21.08	21.19	21.01	
20	16QAM	50	24	21.01	21.21	20.98	22
20	16QAM	50	50	21.03	21.14	21.07	
20	16QAM	100	0	21.02	21.18	21.00	
20	64QAM	1	0	21.09	21.18	20.98	
20	64QAM	1	49	21.04	21.17	20.99	22
20	64QAM	1	99	21.12	21.11	21.04	
20	64QAM	50	0	21.01	21.03	20.98	
20	64QAM	50	24	20.93	21.16	20.88	22
20	64QAM	50	50	21.00	21.05	20.84	
20	64QAM	100	0	20.92	21.06	20.86	
20	256QAM	1	0	19.17	19.15	19.20	
20	256QAM	1	49	19.15	19.00	19.18	20
20	256QAM	1	99	19.05	19.06	19.14	
20	256QAM	50	0	19.06	19.09	19.08	
20	256QAM	50	24	19.14	19.11	19.16	20
20	256QAM	50	50	19.09	19.03	19.09	
20	256QAM	100	0	19.10	19.08	19.05	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.01	21.16	21.00	
15	QPSK	1	37	21.05	21.20	21.05	22
15	QPSK	1	74	21.03	21.06	20.97	
15	QPSK	36	0	21.02	21.09	20.97	
15	QPSK	36	20	21.02	21.13	20.98	22
15	QPSK	36	39	21.04	20.99	21.03	
15	QPSK	75	0	20.98	21.06	21.06	
15	QPSK	75	38	20.94	21.13	20.95	
15	16QAM	1	37	20.98	21.16	20.94	22
15	16QAM	1	74	21.00	21.22	20.90	
15	16QAM	36	0	21.00	21.12	21.00	
15	16QAM	36	20	20.86	21.10	20.84	22
15	16QAM	36	39	21.08	21.10	21.02	
15	16QAM	75	0	20.97	21.06	20.85	
15	64QAM	1	0	21.06	21.16	20.85	
15	64QAM	1	37	21.01	21.10	20.93	22
15	64QAM	1	74	21.05	21.02	20.92	
15	64QAM	36	0	20.96	21.02	20.88	
15	64QAM	36	20	20.90	21.07	20.83	22
15	64QAM	36	39	20.88	20.93	20.72	
15	64QAM	75	0	20.88	21.07	20.73	
15	256QAM	1	0	19.02	19.11	19.13	
15	256QAM	1	37	19.01	18.99	19.04	20
15	256QAM	1	74	18.95	18.97	19.07	
15	256QAM	36	0	19.03	18.94	18.94	
15	256QAM	36	20	19.09	18.98	19.06	20
15	256QAM	36	39	19.01	18.97	19.00	
15	256QAM	75	0	19.03	19.00	18.93	
18600				18900	19200	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.89	21.08	21.08	
10	QPSK	1	25	21.04	21.10	21.07	22
10	QPSK	1	49	21.00	21.13	20.91	
10	QPSK	25	0	21.01	21.02	20.95	
10	QPSK	25	12	21.03	21.05	21.07	22
10	QPSK	25	25	21.00	21.11	21.06	
10	QPSK	50	0	21.00	21.15	21.07	
10	16QAM	1	0	21.01	21.03	21.05	
10	16QAM	1	25	20.97	21.15	21.02	22
10	16QAM	1	49	20.98	21.13	20.97	
10	16QAM	25	0	21.06	21.12	20.93	
10	16QAM	25	12	20.93	21.13	20.94	22
10	16QAM	25	25	20.96	21.12	20.92	
10	16QAM	50	0	20.94	21.17	20.89	
10	64QAM	1	0	21.08	21.17	20.91	
10	64QAM	1	25	20.96	21.13	20.92	22
10	64QAM	1	49	20.99	21.02	20.93	
10	64QAM	25	0	20.86	20.92	20.87	
10	64QAM	25	12	20.90	21.01	20.87	22
10	64QAM	25	25	20.86	20.95	20.77	
10	64QAM	50	0	20.81	20.94	20.78	
10	256QAM	1	0	19.13	19.10	19.16	
10	256QAM	1	25	19.06	18.87	19.13	20
10	256QAM	1	49	19.04	19.00	18.99	
10	256QAM	25	0	19.03	18.99	19.00	
10	256QAM	25	12	19.03	18.96	19.02	20
10	256QAM	25	25	19.01	18.97	19.05	
10	256QAM	50	0	19.04	18.97	19.03	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.00	21.16	21.06	
5	QPSK	1	12	21.05	21.18	21.03	22
5	QPSK	1	24	21.01	21.03	20.99	
5	QPSK	12	0	21.02	21.07	20.96	
5	QPSK	12	7	21.10	21.15	20.98	22
5	QPSK	12	13	20.99	21.11	21.00	
5	QPSK	25	0	20.93	21.05	21.05	
5	16QAM	1	0	20.99	21.04	21.08	
5	16QAM	1	12	21.03	21.11	21.03	22
5	16QAM	1	24	20.98	21.17	20.94	
5	16QAM	12	0	20.93	21.18	20.87	
5	16QAM	12	7	20.97	21.08	20.96	22
5	16QAM	12	13	21.04	21.03	21.02	
5	16QAM	25	0	20.92	21.07	20.96	
5	64QAM	1	0	21.01	21.13	20.86	
5	64QAM	1	12	20.94	21.02	20.91	22
5	64QAM	1	24	21.05	21.09	21.01	
5	64QAM	12	0	20.97	20.92	20.89	
5	64QAM	12	7	20.79	21.02	20.74	22
5	64QAM	12	13	20.93	20.92	20.83	
5	64QAM	25	0	20.80	21.00	20.72	
5	256QAM	1	0	19.16	19.11	19.12	
5	256QAM	1	12	19.06	18.87	19.06	20
5	256QAM	1	24	18.99	19.04	19.04	
5	256QAM	12	0	18.91	19.02	19.06	
5	256QAM	12	7	19.05	19.08	19.01	20
5	256QAM	12	13	19.05	18.90	18.94	
5	256QAM	25	0	19.07	18.96	19.03	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.98	21.20	21.00	
3	QPSK	1	8	21.14	21.19	21.09	22
3	QPSK	1	14	20.99	21.07	20.96	
3	QPSK	8	0	21.05	21.09	20.99	
3	QPSK	8	4	21.07	21.14	21.09	22
3	QPSK	8	7	20.97	21.06	20.95	
3	QPSK	15	0	20.99	21.09	21.05	
3	16QAM	1	0	20.91	21.08	21.01	
3	16QAM	1	8	21.02	21.10	20.97	22
3	16QAM	1	14	21.06	21.08	20.97	
3	16QAM	8	0	21.02	21.11	20.96	
3	16QAM	8	4	20.98	21.12	20.92	22
3	16QAM	8	7	21.04	21.07	21.03	
3	16QAM	15	0	20.87	21.04	20.95	
3	64QAM	1	0	21.00	21.03	20.95	
3	64QAM	1	8	21.00	21.11	20.85	22
3	64QAM	1	14	21.00	21.08	21.02	
3	64QAM	8	0	20.97	20.92	20.83	
3	64QAM	8	4	20.81	21.12	20.87	22
3	64QAM	8	7	20.93	20.98	20.73	
3	64QAM	15	0	20.78	20.97	20.81	
3	256QAM	1	0	19.06	19.04	19.09	
3	256QAM	1	8	19.08	18.92	19.11	20
3	256QAM	1	14	18.91	18.98	19.08	
3	256QAM	8	0	18.91	19.08	18.99	
3	256QAM	8	4	19.00	19.05	19.08	20
3	256QAM	8	7	18.97	18.91	18.97	
3	256QAM	15	0	19.00	18.94	18.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.91	21.14	21.07	
1.4	QPSK	1	3	21.15	21.21	20.99	
1.4	QPSK	1	5	21.06	21.03	20.98	22
1.4	QPSK	3	0	21.11	21.02	21.00	
1.4	QPSK	3	1	21.03	21.14	21.09	
1.4	QPSK	3	3	21.02	21.11	20.93	
1.4	QPSK	6	0	20.92	21.08	20.98	22
1.4	16QAM	1	0	20.92	20.99	20.96	
1.4	16QAM	1	3	21.03	21.15	20.98	
1.4	16QAM	1	5	21.04	21.20	20.96	22
1.4	16QAM	3	0	20.94	21.15	21.00	
1.4	16QAM	3	1	20.92	21.13	20.97	
1.4	16QAM	3	3	21.06	21.13	20.99	
1.4	16QAM	6	0	20.92	21.08	20.99	22
1.4	64QAM	1	0	21.05	21.03	20.93	
1.4	64QAM	1	3	21.01	21.03	20.96	
1.4	64QAM	1	5	21.07	21.00	20.94	22
1.4	64QAM	3	0	20.94	21.13	20.92	
1.4	64QAM	3	1	21.06	21.03	20.94	
1.4	64QAM	3	3	20.99	21.10	20.98	
1.4	64QAM	6	0	20.98	21.16	20.90	22
1.4	256QAM	1	0	19.11	19.14	19.17	
1.4	256QAM	1	3	19.11	18.95	19.11	
1.4	256QAM	1	5	19.00	18.96	19.10	20
1.4	256QAM	3	0	18.98	18.99	19.03	
1.4	256QAM	3	1	19.07	19.02	19.11	
1.4	256QAM	3	3	18.98	18.89	19.08	
1.4	256QAM	6	0	19.07	19.05	18.99	20

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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)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.48	20.50	20.44	
20	QPSK	1	49	20.50	20.63	20.54	21.3
20	QPSK	1	99	20.46	20.52	20.39	
20	QPSK	50	0	20.39	20.56	20.40	
20	QPSK	50	24	20.49	20.61	20.50	21.3
20	QPSK	50	50	20.42	20.56	20.45	
20	QPSK	100	0	20.37	20.51	20.44	
20	16QAM	1	0	20.47	20.53	20.46	
20	16QAM	1	49	20.44	20.62	20.51	21.3
20	16QAM	1	99	20.41	20.62	20.49	
20	16QAM	50	0	20.35	20.48	20.39	
20	16QAM	50	24	20.38	20.58	20.40	21.3
20	16QAM	50	50	20.40	20.60	20.52	
20	16QAM	100	0	20.43	20.49	20.46	
20	64QAM	1	0	20.43	20.56	20.40	
20	64QAM	1	49	20.38	20.49	20.41	21.3
20	64QAM	1	99	20.44	20.62	20.51	
20	64QAM	50	0	20.45	20.60	20.41	
20	64QAM	50	24	20.41	20.53	20.48	21.3
20	64QAM	50	50	20.48	20.61	20.46	
20	64QAM	100	0	20.40	20.59	20.45	
20	256QAM	1	0	19.08	19.07	19.14	
20	256QAM	1	49	19.03	18.94	19.16	19.8
20	256QAM	1	99	18.91	18.99	19.08	
20	256QAM	50	0	18.95	18.96	18.93	
20	256QAM	50	24	19.12	19.05	19.04	19.8
20	256QAM	50	50	19.02	18.91	19.03	
20	256QAM	100	0	18.97	19.02	18.92	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.36	20.43	20.40	
15	QPSK	1	37	20.37	20.49	20.41	21.3
15	QPSK	1	74	20.36	20.46	20.25	
15	QPSK	36	0	20.38	20.52	20.32	
15	QPSK	36	20	20.46	20.57	20.44	21.3
15	QPSK	36	39	20.37	20.45	20.42	
15	QPSK	75	0	20.26	20.40	20.41	
15	QPSK	75	38	20.40	20.51	20.31	
15	16QAM	1	37	20.39	20.59	20.38	21.3
15	16QAM	1	74	20.27	20.50	20.36	
15	16QAM	36	0	20.25	20.43	20.26	
15	16QAM	36	20	20.30	20.54	20.27	21.3
15	16QAM	36	39	20.34	20.51	20.46	
15	16QAM	75	0	20.36	20.46	20.40	
15	64QAM	1	0	20.39	20.52	20.35	
15	64QAM	1	37	20.34	20.37	20.27	21.3
15	64QAM	1	74	20.42	20.58	20.38	
15	64QAM	36	0	20.36	20.53	20.34	
15	64QAM	36	20	20.35	20.44	20.47	21.3
15	64QAM	36	39	20.47	20.58	20.31	
15	64QAM	75	0	20.33	20.52	20.43	
15	256QAM	1	0	19.05	19.08	19.08	
15	256QAM	1	37	19.01	18.99	19.04	19.8
15	256QAM	1	74	18.91	18.97	19.03	
15	256QAM	36	0	19.04	18.97	19.04	
15	256QAM	36	20	19.05	19.03	19.04	19.8
15	256QAM	36	39	18.94	18.96	19.00	
15	256QAM	75	0	18.96	18.93	19.03	
18600				18900	19200	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.34	20.37	20.38	
10	QPSK	1	25	20.41	20.51	20.46	21.3
10	QPSK	1	49	20.34	20.36	20.32	
10	QPSK	25	0	20.30	20.45	20.34	
10	QPSK	25	12	20.43	20.59	20.36	21.3
10	QPSK	25	25	20.31	20.44	20.33	
10	QPSK	50	0	20.25	20.50	20.40	
10	16QAM	1	0	20.27	20.37	20.33	
10	16QAM	1	25	20.38	20.49	20.46	21.3
10	16QAM	1	49	20.36	20.55	20.48	
10	16QAM	25	0	20.30	20.46	20.31	
10	16QAM	25	12	20.35	20.53	20.25	21.3
10	16QAM	25	25	20.44	20.59	20.46	
10	16QAM	50	0	20.37	20.39	20.40	
10	64QAM	1	0	20.34	20.55	20.35	
10	64QAM	1	25	20.30	20.44	20.26	21.3
10	64QAM	1	49	20.33	20.52	20.41	
10	64QAM	25	0	20.44	20.53	20.33	
10	64QAM	25	12	20.31	20.39	20.34	21.3
10	64QAM	25	25	20.45	20.55	20.34	
10	64QAM	50	0	20.34	20.50	20.34	
10	256QAM	1	0	19.15	19.02	19.06	
10	256QAM	1	25	19.04	18.91	19.05	19.8
10	256QAM	1	49	18.99	18.96	19.06	
10	256QAM	25	0	19.03	18.98	19.01	
10	256QAM	25	12	19.10	19.08	19.05	19.8
10	256QAM	25	25	19.08	18.90	18.98	
10	256QAM	50	0	19.01	18.97	18.91	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.44	20.43	20.35	
5	QPSK	1	12	20.39	20.62	20.42	21.3
5	QPSK	1	24	20.45	20.37	20.37	
5	QPSK	12	0	20.46	20.47	20.27	
5	QPSK	12	7	20.37	20.46	20.49	21.3
5	QPSK	12	13	20.27	20.43	20.44	
5	QPSK	25	0	20.25	20.41	20.33	
5	16QAM	1	0	20.38	20.46	20.44	
5	16QAM	1	12	20.39	20.57	20.47	21.3
5	16QAM	1	24	20.40	20.49	20.37	
5	16QAM	12	0	20.31	20.45	20.33	
5	16QAM	12	7	20.34	20.52	20.27	21.3
5	16QAM	12	13	20.34	20.50	20.48	
5	16QAM	25	0	20.32	20.43	20.36	
5	64QAM	1	0	20.39	20.49	20.27	
5	64QAM	1	12	20.33	20.47	20.31	21.3
5	64QAM	1	24	20.35	20.45	20.49	
5	64QAM	12	0	20.32	20.54	20.40	
5	64QAM	12	7	20.26	20.48	20.40	21.3
5	64QAM	12	13	20.44	20.58	20.37	
5	64QAM	25	0	20.43	20.58	20.41	
5	256QAM	1	0	19.16	19.09	19.19	
5	256QAM	1	12	19.07	18.94	19.10	19.8
5	256QAM	1	24	18.95	18.98	19.00	
5	256QAM	12	0	19.05	19.04	18.93	
5	256QAM	12	7	19.04	19.04	19.02	19.8
5	256QAM	12	13	18.98	18.90	19.00	
5	256QAM	25	0	19.03	18.92	19.01	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.42	20.40	20.37	
3	QPSK	1	8	20.40	20.53	20.43	21.3
3	QPSK	1	14	20.45	20.41	20.37	
3	QPSK	8	0	20.32	20.51	20.36	
3	QPSK	8	4	20.35	20.59	20.49	21.3
3	QPSK	8	7	20.31	20.53	20.32	
3	QPSK	15	0	20.24	20.45	20.33	
3	16QAM	1	0	20.33	20.41	20.32	
3	16QAM	1	8	20.40	20.56	20.42	21.3
3	16QAM	1	14	20.27	20.61	20.48	
3	16QAM	8	0	20.34	20.50	20.29	
3	16QAM	8	4	20.36	20.50	20.38	21.3
3	16QAM	8	7	20.46	20.59	20.51	
3	16QAM	15	0	20.37	20.39	20.33	
3	64QAM	1	0	20.37	20.53	20.33	
3	64QAM	1	8	20.29	20.49	20.39	21.3
3	64QAM	1	14	20.36	20.54	20.47	
3	64QAM	8	0	20.44	20.48	20.34	
3	64QAM	8	4	20.40	20.49	20.47	21.3
3	64QAM	8	7	20.49	20.42	20.32	
3	64QAM	15	0	20.43	20.45	20.36	
3	256QAM	1	0	19.05	19.11	19.19	
3	256QAM	1	8	19.11	18.85	19.09	19.8
3	256QAM	1	14	18.96	18.98	19.11	
3	256QAM	8	0	18.98	19.05	18.93	
3	256QAM	8	4	18.99	19.01	19.15	19.8
3	256QAM	8	7	19.02	18.93	19.04	
3	256QAM	15	0	19.04	18.95	18.97	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.41	20.47	20.29	
1.4	QPSK	1	3	20.42	20.53	20.44	
1.4	QPSK	1	5	20.45	20.49	20.25	21.3
1.4	QPSK	3	0	20.28	20.52	20.38	
1.4	QPSK	3	1	20.36	20.53	20.46	
1.4	QPSK	3	3	20.37	20.47	20.36	
1.4	QPSK	6	0	20.29	20.37	20.30	21.3
1.4	16QAM	1	0	20.32	20.45	20.44	
1.4	16QAM	1	3	20.35	20.49	20.47	
1.4	16QAM	1	5	20.39	20.52	20.40	21.3
1.4	16QAM	3	0	20.31	20.46	20.38	
1.4	16QAM	3	1	20.36	20.48	20.30	
1.4	16QAM	3	3	20.46	20.46	20.47	
1.4	16QAM	6	0	20.39	20.37	20.44	21.3
1.4	64QAM	1	0	20.37	20.47	20.37	
1.4	64QAM	1	3	20.24	20.34	20.32	
1.4	64QAM	1	5	20.36	20.44	20.46	21.3
1.4	64QAM	3	0	20.34	20.54	20.39	
1.4	64QAM	3	1	20.39	20.47	20.47	
1.4	64QAM	3	3	20.44	20.56	20.33	
1.4	64QAM	6	0	20.36	20.50	20.32	21.3
1.4	256QAM	1	0	19.13	19.13	19.14	
1.4	256QAM	1	3	19.14	18.87	19.12	
1.4	256QAM	1	5	18.96	18.95	19.13	19.8
1.4	256QAM	3	0	19.05	19.06	19.01	
1.4	256QAM	3	1	18.99	18.97	19.02	
1.4	256QAM	3	3	19.07	18.93	19.07	
1.4	256QAM	6	0	19.02	19.00	19.01	19.8

Band 2_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.43	19.52	19.36	
20	QPSK	1	49	19.54	19.58	19.43	20.5
20	QPSK	1	99	19.49	19.49	19.29	
20	QPSK	50	0	19.51	19.47	19.32	
20	QPSK	50	24	19.53	19.55	19.42	20.5
20	QPSK	50	50	19.42	19.49	19.40	
20	QPSK	100	0	19.39	19.45	19.35	
20	16QAM	1	0	19.45	19.53	19.34	
20	16QAM	1	49	19.49	19.57	19.32	20.5
20	16QAM	1	99	19.51	19.46	19.37	
20	16QAM	50	0	19.41	19.52	19.34	
20	16QAM	50	24	19.53	19.46	19.37	20.5
20	16QAM	50	50	19.39	19.51	19.31	
20	16QAM	100	0	19.48	19.49	19.39	
20	64QAM	1	0	19.39	19.55	19.31	
20	64QAM	1	49	19.44	19.54	19.36	20.5
20	64QAM	1	99	19.53	19.57	19.32	
20	64QAM	50	0	19.44	19.52	19.31	
20	64QAM	50	24	19.41	19.49	19.37	20.5
20	64QAM	50	50	19.41	19.53	19.41	
20	64QAM	100	0	19.49	19.56	19.32	
20	256QAM	1	0	18.72	18.78	18.71	
20	256QAM	1	49	18.70	18.73	18.70	19
20	256QAM	1	99	18.58	18.69	18.61	
20	256QAM	50	0	18.31	18.35	18.25	
20	256QAM	50	24	18.25	18.34	18.20	19
20	256QAM	50	50	18.15	18.23	18.22	
20	256QAM	100	0	18.24	18.27	18.26	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.42	19.43	19.32

Band 4_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.36	22.37	22.26	
20	QPSK	1	49	22.38	22.45	22.40	23.3
20	QPSK	1	99	22.34	22.44	22.29	
20	QPSK	50	0	22.32	22.32	22.37	
20	QPSK	50	24	22.43	22.39		23.3
20	QPSK	50	50	22.34	22.37	22.28	
20	QPSK	100	0	22.36	22.38	22.31	
20	16QAM	1	0	22.37	22.30	22.35	
20	16QAM	1	49	22.39	22.44	22.33	23.3
20	16QAM	1	99	22.23	22.30	22.28	
20	16QAM	50	0	22.00	22.07	21.92	
20	16QAM	50	24	21.96	22.16	22.10	22.8
20	16QAM	50	50	22.01	22.05	22.05	
20	16QAM	100	0	22.01	22.06	21.95	
20	64QAM	1	0	22.04	22.11	22.18	
20	64QAM	1	49	22.10	22.01	22.06	22.8
20	64QAM	1	99	22.00	21.88	22.02	
20	64QAM	50	0	20.97	21.14	20.99	
20	64QAM	50	24	21.08	21.04	20.98	21.8
20	64QAM	50	50	20.88	21.00	21.09	
20	64QAM	100	0	21.06	21.01	21.05	
20	256QAM	1	0	18.92	18.84	18.96	
20	256QAM	1	49	18.94	18.94	18.87	19.8
20	256QAM	1	99	18.93	18.92	18.89	
20	256QAM	50	0	18.81	18.83	18.85	
20	256QAM	50	24	18.84	18.91	18.93	19.8
20	256QAM	50	50	18.95	18.88	18.99	
20	256QAM	100	0	18.95	18.84	18.86	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.22	22.28	22.21	
15	QPSK	1	37	22.27	22.43	22.36	23.3
15	QPSK	1	74	22.20	22.29	22.20	
15	QPSK	36	0	22.24	22.24	22.22	
15	QPSK	36	20	22.30	22.37	22.36	23.3
15	QPSK	36	39	22.23	22.31	22.13	
15	QPSK	75	0	22.33	22.25	22.26	
15	16QAM	1	0	22.30	22.27	22.34	
15	16QAM	1	37	22.18	22.39	22.20	23.3
15	16QAM	1	74	22.12	22.23	22.24	
15	16QAM	36	0	21.93	22.05	21.84	
15	16QAM	36	20	21.91	22.04	22.01	22.8
15	16QAM	36	39	21.88	22.01	22.00	
15	16QAM	75	0	21.98	21.96	21.81	
15	64QAM	1	0	21.96	22.07	22.10	
15	64QAM	1	37	21.98	21.88	22.05	22.8
15	64QAM	1	74	21.85	21.81	21.91	
15	64QAM	36	0	20.90	21.01	20.93	
15	64QAM	36	20	20.98	20.99	20.96	21.8
15	64QAM	36	39	20.79	20.97	20.96	
15	64QAM	75	0	20.98	20.97	21.04	
15	256QAM	1	0	18.88	18.79	18.95	
15	256QAM	1	37	18.84	18.86	18.77	19.8
15	256QAM	1	74	18.80	18.81	18.83	
15	256QAM	36	0	18.71	18.83	18.77	
15	256QAM	36	20	18.78	18.86	18.90	19.8
15	256QAM	36	39	18.83	18.86	18.84	
15	256QAM	75	0	18.83	18.70	18.82	
20000	Channel			20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.35	22.26	22.15	
10	QPSK	1	25	22.34	22.30	22.34	23.3
10	QPSK	1	49	22.23	22.43	22.28	
10	QPSK	25	0	22.31	22.18	22.26	
10	QPSK	25	12	22.30	22.34	22.25	23.3
10	QPSK	25	25	22.24	22.25	22.25	
10	QPSK	50	0	22.24	22.24	22.19	
10	16QAM	1	0	22.26	22.16	22.24	
10	16QAM	1	25	22.25	22.38	22.31	23.3
10	16QAM	1	49	22.10	22.26	22.19	
10	16QAM	25	0	21.98	22.05	21.83	
10	16QAM	25	12	21.95	22.08	22.04	22.8
10	16QAM	25	25	21.91	21.93	21.90	
10	16QAM	50	0	21.87	21.95	21.84	
10	64QAM	1	0	22.00	22.05	22.03	
10	64QAM	1	25	22.02	21.88	21.94	22.8
10	64QAM	1	49	21.97	21.76	21.98	
10	64QAM	25	0	20.87	21.02	20.88	
10	64QAM	25	12	20.95	20.96	20.97	21.8
10	64QAM	25	25	20.83	20.85	20.83	
10	64QAM	50	0	20.92	20.94	20.99	
10	256QAM	1	0	18.89	18.69	18.82	
10	256QAM	1	25	18.88	18.91	18.80	19.8
10	256QAM	1	49	18.86	18.89	18.78	
10	256QAM	25	0	18.70	18.69	18.73	
10	256QAM	25	12	18.73	18.79	18.88	19.8
10	256QAM	25	25	18.80	18.85	18.92	
10	256QAM	50	0	18.84	18.81	18.73	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.32	22.24	22.19	
5	QPSK	1	12	22.24	22.35	22.27	23.3
5	QPSK	1	24	22.23	22.40	22.16	
5	QPSK	12	0	22.20	22.21	22.34	
5	QPSK	12	7	22.27	22.37	22.33	23.3
5	QPSK	12	13	22.33	22.25	22.15	
5	QPSK	25	0	22.24	22.37	22.19	
5	16QAM	1	0	22.26	22.22	22.20	
5	16QAM	1	12	22.20	22.43	22.23	23.3
5	16QAM	1	24	22.12	22.27	22.14	
5	16QAM	12	0	21.97	22.06	21.77	
5	16QAM	12	7	21.81	22.03	22.01	22.8
5	16QAM	12	13	21.99	22.03	21.94	
5	16QAM	25	0	21.96	21.95	21.91	
5	64QAM	1	0	22.02	22.01	22.11	
5	64QAM	1	12	22.02	21.92	21.94	22.8
5	64QAM	1	24	21.91	21.80	21.88	
5	64QAM	12	0	20.93	21.01	20.98	
5	64QAM	12	7	20.94	20.94	20.84	21.8
5	64QAM	12	13	20.86	20.96	20.94	
5	64QAM	25	0	20.92	20.97	20.96	
5	256QAM	1	0	18.78	18.78	18.84	
5	256QAM	1	12	18.86	18.87	18.78	19.8
5	256QAM	1	24	18.79	18.77	18.85	
5	256QAM	12	0	18.69	18.68	18.73	
5	256QAM	12	7	18.74	18.88	18.85	19.8
5	256QAM	12	13	18.92	18.87	18.94	
5	256QAM	25	0	18.86	18.77	18.76	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.30	22.36	22.11	
3	QPSK	1	8	22.28	22.32	22.30	23.3
3	QPSK	1	14	22.33	22.41	22.17	
3	QPSK	8	0	22.26	22.26	22.28	
3	QPSK	8	4	22.26	22.40	22.27	23.3
3	QPSK	8	7	22.32	22.33	22.21	
3	QPSK	15	0	22.35	22.33	22.37	
3	16QAM	1	0	22.26	22.22	22.31	
3	16QAM	1	8	22.19	22.42	22.21	23.3
3	16QAM	1	14	22.19	22.15	22.19	
3	16QAM	8	0	21.95	21.92	21.91	
3	16QAM	8	4	21.86	22.05	22.00	22.8
3	16QAM	8	7	21.90	21.95	21.94	
3	16QAM	15	0	21.91	22.04	21.86	
3	64QAM	1	0	21.91	22.05	22.12	
3	64QAM	1	8	22.09	21.95	22.00	22.8
3	64QAM	1	14	21.98	21.87	21.96	
3	64QAM	8	0	20.93	21.04	20.87	
3	64QAM	8	4	21.03	20.89	20.94	21.8
3	64QAM	8	7	20.73	20.90	20.94	
3	64QAM	15	0	21.04	21.00	20.98	
3	256QAM	1	0	18.90	18.83	18.94	
3	256QAM	1	8	18.83	18.86	18.72	19.8
3	256QAM	1	14	18.86	18.87	18.79	
3	256QAM	8	0	18.79	18.80	18.79	
3	256QAM	8	4	18.74	18.80	18.80	19.8
3	256QAM	8	7	18.90	18.77	18.96	
3	256QAM	15	0	18.80	18.72	18.81	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.23	22.36	22.24	
1.4	QPSK	1	3	22.23	22.34	22.30	
1.4	QPSK	1	5	22.25	22.40	22.23	23.3
1.4	QPSK	3	0	22.26	22.22	22.23	
1.4	QPSK	3	1	22.28	22.31	22.26	
1.4	QPSK	3	3	22.25	22.32	22.17	
1.4	QPSK	6	0	22.34	22.26	22.17	23.3
1.4	16QAM	1	0	22.34	22.17	22.31	
1.4	16QAM	1	3	22.28	22.42	22.22	
1.4	16QAM	1	5	22.17	22.27	22.26	23.3
1.4	16QAM	3	0	22.36	22.19	22.31	
1.4	16QAM	3	1	22.18	22.37	22.18	
1.4	16QAM	3	3	22.22	22.16	22.26	
1.4	16QAM	6	0	21.99	21.99	21.89	22.8
1.4	64QAM	1	0	21.94	21.90	22.14	
1.4	64QAM	1	3	22.05	22.00	21.93	
1.4	64QAM	1	5	21.87	21.83	21.90	22.8
1.4	64QAM	3	0	21.79	21.85	22.04	
1.4	64QAM	3	1	21.97	21.95	21.85	
1.4	64QAM	3	3	21.76	21.81	21.85	
1.4	64QAM	6	0	21.00	20.88	20.90	21.8
1.4	256QAM	1	0	18.77	18.77	18.93	
1.4	256QAM	1	3	18.88	18.84	18.77	
1.4	256QAM	1	5	18.91	18.80	18.86	19.8
1.4	256QAM	3	0	18.73	18.82	18.74	
1.4	256QAM	3	1	18.77	18.85	18.82	
1.4	256QAM	3	3	18.82	18.73	18.98	
1.4	256QAM	6	0	18.81	18.72	18.77	19.8

Band 4_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)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.85	21.87	21.78	
20	QPSK	1	49	21.56	22.00	21.92	22.8
20	QPSK	1	99	21.81	21.94	21.84	
20	QPSK	50	0	21.88	21.85	21.81	
20	QPSK	50	24	21.94	21.90		22.8
20	QPSK	50	50	21.81	21.90	21.82	
20	QPSK	100	0	21.89	21.98	21.82	
20	16QAM	1	0	21.84	21.87	21.86	
20	16QAM	1	49	21.84	21.88	21.88	22.8
20	16QAM	1	99	21.89	21.88	21.91	
20	16QAM	50	0	21.86	21.83	21.85	
20	16QAM	50	24	21.96	21.89	21.91	22.8
20	16QAM	50	50	21.93	21.96	21.91	
20	16QAM	100	0	21.88	21.91	21.90	
20	64QAM	1	0	21.93	21.97	21.83	
20	64QAM	1	49	21.90	21.87	21.91	22.8
20	64QAM	1	99	21.87	21.88	21.86	
20	64QAM	50	0	20.93	20.92	20.80	
20	64QAM	50	24	20.99	20.94	20.86	21.8
20	64QAM	50	50	20.90	20.93	20.95	
20	64QAM	100	0	20.93	20.96	20.96	
20	256QAM	1	0	18.82	18.87	18.98	
20	256QAM	1	49	18.91	18.92	18.86	19.8
20	256QAM	1	99	18.81	18.94	18.87	
20	256QAM	50	0	18.86	18.87	18.85	
20	256QAM	50	24	18.94	18.89	18.95	19.8
20	256QAM	50	50	18.94	18.90	18.93	
20	256QAM	100	0	18.95	18.97	18.99	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.76	21.86	21.69	
15	QPSK	1	37	21.83	21.87	21.80	22.8
15	QPSK	1	74	21.72	21.92	21.77	
15	QPSK	36	0	21.76	21.83	21.69	
15	QPSK	36	20	21.91	21.82	21.80	22.8
15	QPSK	36	39	21.78	21.75	21.71	
15	QPSK	75	0	21.78	21.85	21.71	
15	16QAM	1	0	21.80	21.77	21.77	
15	16QAM	1	37	21.82	21.86	21.73	22.8
15	16QAM	1	74	21.80	21.85	21.90	
15	16QAM	36	0	21.77	21.74	21.77	
15	16QAM	36	20	21.93	21.75	21.90	22.8
15	16QAM	36	39	21.71	21.79	21.77	
15	16QAM	75	0	21.75	21.88	21.89	
15	64QAM	1	0	21.80	21.89	21.69	
15	64QAM	1	37	21.83	21.77	21.78	22.8
15	64QAM	1	74	21.81	21.89	21.76	
15	64QAM	36	0	20.90	20.80	20.67	
15	64QAM	36	20	20.98	20.86	20.74	21.8
15	64QAM	36	39	20.86	20.82	20.94	
15	64QAM	75	0	20.83	20.87	20.81	
15	256QAM	1	0	18.80	18.78	18.89	
15	256QAM	1	37	18.86	18.77	18.72	19.8
15	256QAM	1	74	18.66	18.87	18.72	
15	256QAM	36	0	18.83	18.82	18.78	
15	256QAM	36	20	18.80	18.83	18.93	19.8
15	256QAM	36	39	18.83	18.89	18.79	
15	256QAM	75	0	18.93	18.96	18.84	
20000	Channel			20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.76	21.76	21.65	
10	QPSK	1	25	21.86	21.97	21.78	22.8
10	QPSK	1	49	21.75	21.79	21.73	
10	QPSK	25	0	21.77	21.80	21.69	
10	QPSK	25	12	21.90	21.83	21.77	22.8
10	QPSK	25	25	21.72	21.75	21.81	
10	QPSK	50	0	21.86	21.93	21.71	
10	16QAM	1	0	21.78	21.77	21.84	
10	16QAM	1	25	21.72	21.77	21.79	22.8
10	16QAM	1	49	21.88	21.73	21.76	
10	16QAM	25	0	21.74	21.73	21.77	
10	16QAM	25	12	21.91	21.80	21.79	22.8
10	16QAM	25	25	21.74	21.79	21.79	
10	16QAM	50	0	21.75	21.84	21.78	
10	64QAM	1	0	21.81	21.92	21.80	
10	64QAM	1	25	21.87	21.76	21.87	22.8
10	64QAM	1	49	21.76	21.87	21.73	
10	64QAM	25	0	20.82	20.89	20.77	
10	64QAM	25	12	20.98	20.80	20.77	21.8
10	64QAM	25	25	20.68	20.80	20.83	
10	64QAM	50	0	20.81	20.80	20.81	
10	256QAM	1	0	18.68	18.86	18.89	
10	256QAM	1	25	18.89	18.90	18.83	19.8
10	256QAM	1	49	18.73	18.81	18.81	
10	256QAM	25	0	18.78	18.74	18.82	
10	256QAM	25	12	18.84	18.81	18.81	19.8
10	256QAM	25	25	18.92	18.76	18.90	
10	256QAM	50	0	18.73	18.80	18.73	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.80	21.76	21.69	
5	QPSK	1	12	21.85	21.87	21.79	22.8
5	QPSK	1	24	21.76	21.92	21.77	
5	QPSK	12	0	21.82	21.77	21.66	
5	QPSK	12	7	21.85	21.89	21.77	22.8
5	QPSK	12	13	21.75	21.77	21.69	
5	QPSK	25	0	21.78	21.97	21.67	
5	16QAM	1	0	21.71	21.83	21.80	
5	16QAM	1	12	21.71	21.75	21.76	22.8
5	16QAM	1	24	21.84	21.75	21.76	
5	16QAM	12	0	21.85	21.70	21.78	
5	16QAM	12	7	21.82	21.87	21.86	22.8
5	16QAM	12	13	21.77	21.87	21.83	
5	16QAM	25	0	21.76	21.79	21.83	
5	64QAM	1	0	21.89	21.87	21.78	
5	64QAM	1	12	21.89	21.77	21.81	22.8
5	64QAM	1	24	21.76	21.87	21.77	
5	64QAM	12	0	20.81	20.80	20.73	
5	64QAM	12	7	20.89	20.88	20.83	21.8
5	64QAM	12	13	20.83	20.87	20.88	
5	64QAM	25	0	20.78	20.87	20.88	
5	256QAM	1	0	18.80	18.85	18.95	
5	256QAM	1	12	18.77	18.84	18.83	19.8
5	256QAM	1	24	18.73	18.81	18.84	
5	256QAM	12	0	18.76	18.77	18.70	
5	256QAM	12	7	18.92	18.80	18.91	19.8
5	256QAM	12	13	18.87	18.83	18.80	
5	256QAM	25	0	18.81	18.87	18.87	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.83	21.72	21.64	
3	QPSK	1	8	21.92	21.93	21.89	22.8
3	QPSK	1	14	21.77	21.84	21.78	
3	QPSK	8	0	21.73	21.73	21.66	
3	QPSK	8	4	21.93	21.91	21.87	22.8
3	QPSK	8	7	21.72	21.88	21.77	
3	QPSK	15	0	21.75	21.80	21.68	
3	16QAM	1	0	21.82	21.80	21.79	
3	16QAM	1	8	21.75	21.80	21.83	22.8
3	16QAM	1	14	21.86	21.83	21.81	
3	16QAM	8	0	21.73	21.72	21.73	
3	16QAM	8	4	21.90	21.84	21.78	22.8
3	16QAM	8	7	21.82	21.80	21.84	
3	16QAM	15	0	21.82	21.77	21.79	
3	64QAM	1	0	21.80	21.90	21.70	
3	64QAM	1	8	21.89	21.82	21.79	22.8
3	64QAM	1	14	21.76	21.86	21.77	
3	64QAM	8	0	20.91	20.90	20.67	
3	64QAM	8	4	20.87	20.89	20.80	21.8
3	64QAM	8	7	20.88	20.79	20.82	
3	64QAM	15	0	20.81	20.87	20.93	
3	256QAM	1	0	18.79	18.79	18.96	
3	256QAM	1	8	18.89	18.86	18.71	19.8
3	256QAM	1	14	18.82	18.83	18.77	
3	256QAM	8	0	18.85	18.83	18.79	
3	256QAM	8	4	18.81	18.88	18.84	19.8
3	256QAM	8	7	18.88	18.77	18.80	
3	256QAM	15	0	18.85	18.89	18.92	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.83	21.85	21.64	
1.4	QPSK	1	3	21.88	21.94	21.86	
1.4	QPSK	1	5	21.92	21.93	21.80	22.8
1.4	QPSK	3	0	21.83	21.80	21.80	
1.4	QPSK	3	1	21.82	21.86	21.77	
1.4	QPSK	3	3	21.77	21.86	21.81	
1.4	QPSK	6	0	21.81	21.94	21.76	22.8
1.4	16QAM	1	0	21.79	21.82	21.82	
1.4	16QAM	1	3	21.74	21.77	21.74	
1.4	16QAM	1	5	21.80	21.77	21.80	22.8
1.4	16QAM	3	0	21.72	21.72	21.84	
1.4	16QAM	3	1	21.86	21.76	21.86	
1.4	16QAM	3	3	21.83	21.86	21.89	
1.4	16QAM	6	0	21.79	21.83	21.81	22.8
1.4	64QAM	1	0	21.92	21.75	21.75	
1.4	64QAM	1	3	21.87	21.82	21.76	
1.4	64QAM	1	5	21.73	21.85	21.73	22.8
1.4	64QAM	3	0	21.85	21.83	21.99	
1.4	64QAM	3	1	21.70	21.83	21.78	
1.4	64QAM	3	3	21.77	21.84	21.99	
1.4	64QAM	6	0	20.85	20.88	20.89	21.8
1.4	256QAM	1	0	18.77	18.86	18.96	
1.4	256QAM	1	3	18.89	18.86	18.72	
1.4	256QAM	1	5	18.68	18.81	18.78	19.8
1.4	256QAM	3	0	18.80	18.80	18.74	
1.4	256QAM	3	1	18.79	18.88	18.87	
1.4	256QAM	3	3	18.92	18.87	18.88	
1.4	256QAM	6	0	18.83	18.95	18.88	19.8

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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)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.14	19.32	19.15	
20	QPSK	1	49	19.28	19.35	19.30	19.8
20	QPSK	1	99	19.27	19.28	19.27	
20	QPSK	50	0	19.00	19.21	19.12	
20	QPSK	50	24	19.25	19.24	19.27	19.8
20	QPSK	50	50	19.20	19.15	19.25	
20	QPSK	100	0	19.04	19.21	19.04	
20	16QAM	1	0	19.21	19.28	19.21	
20	16QAM	1	49	19.26	19.20	19.26	19.8
20	16QAM	1	99	19.11	19.21	19.00	
20	16QAM	50	0	19.18	19.31	19.22	
20	16QAM	50	24	19.22	19.22	19.17	19.8
20	16QAM	50	50	19.06	19.19	19.25	
20	16QAM	100	0	19.20	19.29	19.22	
20	64QAM	1	0	19.23	19.21	19.24	
20	64QAM	1	49	19.08	19.22	19.12	19.8
20	64QAM	1	99	19.22	19.33	19.22	
20	64QAM	50	0	19.17	19.20	19.14	
20	64QAM	50	24	19.13	19.18	19.10	19.8
20	64QAM	50	50	19.27	19.28	19.17	
20	64QAM	100	0	19.23	19.18	19.25	
20	256QAM	1	0	18.46	18.60	18.58	
20	256QAM	1	49	18.40	18.54	18.43	18.8
20	256QAM	1	99	18.44	18.53	18.43	
20	256QAM	50	0	18.25	18.40	18.30	
20	256QAM	50	24	18.21	18.27	18.18	18.8
20	256QAM	50	50	18.13	18.26	18.19	
20	256QAM	100

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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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.45	23.61	23.51	25
10	QPSK	1	25	23.68	23.70	23.65	
10	QPSK	1	49	23.63	23.57	23.49	
10	QPSK	25	0	22.84	22.91	22.87	24
10	QPSK	25	12	22.98	23.00	22.86	
10	QPSK	25	25	22.92	22.78	22.71	
10	QPSK	50	0	22.93	22.94	22.78	
10	16QAM	1	0	23.13	23.08	23.13	24
10	16QAM	1	25	23.20	23.07	23.02	
10	16QAM	1	49	23.23	23.12	23.00	
10	16QAM	25	0	22.01	21.93	21.85	23
10	16QAM	25	12	22.05	21.99	21.90	
10	16QAM	25	25	21.98	21.79	21.82	
10	16QAM	50	0	21.97	21.78	21.92	
10	64QAM	1	0	22.10	22.16	22.15	23
10	64QAM	1	25	21.98	22.02	22.12	
10	64QAM	1	49	22.26	22.12	21.89	
10	64QAM	25	0	20.97	20.90	20.83	22
10	64QAM	25	12	21.05	20.98	20.90	
10	64QAM	25	25	20.93	20.87	20.82	
10	64QAM	50	0	20.85	20.87	20.84	
10	256QAM	1	0	18.75	18.67	18.72	20
10	256QAM	1	25	18.72	18.69	18.79	
10	256QAM	1	49	18.68	18.74	18.79	
10	256QAM	25	0	18.68	18.74	18.71	20
10	256QAM	25	12	18.74	18.68	18.68	
10	256QAM	25	25	18.74	18.75	18.77	
10	256QAM	50	0	18.62	18.74	18.74	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.39	23.59	23.49	25
5	QPSK	1	12	23.60	23.67	23.52	
5	QPSK	1	24	23.51	23.54	23.48	
5	QPSK	12	0	22.72	22.84	22.85	24
5	QPSK	12	7	22.93	22.91	22.84	
5	QPSK	12	13	22.79	22.77	22.65	
5	QPSK	25	0	22.80	22.82	22.67	
5	16QAM	1	0	23.07	23.02	22.98	24
5	16QAM	1	12	23.17	22.92	22.95	
5	16QAM	1	24	23.11	23.09	22.96	
5	16QAM	12	0	21.95	21.79	21.70	23
5	16QAM	12	7	21.98	21.91	21.77	
5	16QAM	12	13	21.84	21.71	21.77	
5	16QAM	25	0	21.82	21.73	21.91	
5	64QAM	1	0	21.96	22.12	22.04	23
5	64QAM	1	12	21.87	21.92	22.03	
5	64QAM	1	24	22.12	22.07	21.76	
5	64QAM	12	0	20.91	20.75	20.68	22
5	64QAM	12	7	20.98	20.85	20.82	
5	64QAM	12	13	20.91	20.86	20.75	
5	64QAM	25	0	20.72	20.76	20.82	
5	256QAM	1	0	18.72	18.59	18.62	20
5	256QAM	1	12	18.68	18.58	18.65	
5	256QAM	1	24	18.65	18.60	18.70	
5	256QAM	12	0	18.65	18.70	18.66	20
5	256QAM	12	7	18.69	18.53	18.54	
5	256QAM	12	13	18.73	18.69	18.65	
5	256QAM	25	0	18.49	18.60	18.68	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.44	23.47	23.48	25
3	QPSK	1	8	23.60	23.62	23.61	
3	QPSK	1	14	23.48	23.50	23.45	
3	QPSK	8	0	22.76	22.77	22.76	24
3	QPSK	8	4	22.96	22.94	22.91	
3	QPSK	8	7	22.78	22.63	22.69	
3	QPSK	15	0	22.85	22.83	22.69	
3	16QAM	1	0	23.10	23.06	23.11	24
3	16QAM	1	8	23.14	23.03	22.90	
3	16QAM	1	14	23.10	22.99	22.90	
3	16QAM	8	0	22.00	21.91	21.82	23
3	16QAM	8	4	21.95	21.95	21.75	
3	16QAM	8	7	21.85	21.68	21.79	
3	16QAM	15	0	21.91	21.77	21.87	
3	64QAM	1	0	22.01	22.12	22.04	23
3	64QAM	1	8	21.87	21.95	22.01	
3	64QAM	1	14	22.20	21.99	21.88	
3	64QAM	8	0	20.90	20.85	20.77	22
3	64QAM	8	4	20.91	20.94	20.83	
3	64QAM	8	7	20.83	20.83	20.73	
3	64QAM	15	0	20.76	20.86	20.83	
3	256QAM	1	0	18.61	18.65	18.66	20
3	256QAM	1	8	18.71	18.62	18.75	
3	256QAM	1	14	18.63	18.66	18.74	
3	256QAM	8	0	18.53	18.72	18.60	20
3	256QAM	8	4	18.73	18.53	18.64	
3	256QAM	8	7	18.71	18.69	18.75	
3	256QAM	15	0	18.59	18.64	18.61	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.48	23.56	23.50	25
1.4	QPSK	1	3	23.56	23.60	23.62	
1.4	QPSK	1	5	23.58	23.55	23.45	
1.4	QPSK	3	0	23.43	23.42	23.45	
1.4	QPSK	3	1	23.45	23.56	23.56	
1.4	QPSK	3	3	23.44	23.54	23.41	
1.4	QPSK	6	0	22.81	22.85	22.77	24
1.4	16QAM	1	0	22.98	22.99	22.98	24
1.4	16QAM	1	3	23.07	23.00	22.99	
1.4	16QAM	1	5	23.15	23.04	22.94	
1.4	16QAM	3	0	22.84	22.86	22.96	
1.4	16QAM	3	1	23.05	22.94	22.90	
1.4	16QAM	3	3	23.08	23.03	22.89	
1.4	16QAM	6	0	21.82	21.69	21.78	23
1.4	64QAM	1	0	22.05	22.10	22.02	23
1.4	64QAM	1	3	21.99	21.95	22.05	
1.4	64QAM	1	5	22.12	22.01	21.82	
1.4	64QAM	3	0	21.97	22.08	21.96	
1.4	64QAM	3	1	21.87	21.81	22.00	
1.4	64QAM	3	3	22.11	21.87	21.78	
1.4	64QAM	6	0	20.80	20.83	20.80	22
1.4	256QAM	1	0	18.64	18.61	18.70	20
1.4	256QAM	1	3	18.67	18.57	18.72	
1.4	256QAM	1	5	18.66	18.63	18.67	
1.4	256QAM	3	0	18.56	18.59	18.63	
1.4	256QAM	3	1	18.60	18.61	18.61	
1.4	256QAM	3	3	18.61	18.60	18.63	
1.4	256QAM	6	0	18.50	18.70	18.63	20

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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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.40	22.36	22.29	23.3
10	QPSK	1	25	22.43	22.48	22.40	
10	QPSK	1	49	22.35	22.37	22.27	
10	QPSK	25	0	22.28	22.41	22.28	23.3
10	QPSK	25	12	22.33	22.44	22.31	
10	QPSK	25	25	22.34	22.39	22.27	
10	QPSK	50	0	22.38	22.42	22.33	
10	16QAM	1	0	22.30	22.35	22.30	23.3
10	16QAM	1	25	22.28	22.37	22.26	
10	16QAM	1	49	22.31	22.44	22.25	
10	16QAM	25	0	21.91	21.86	21.86	22.8
10	16QAM	25	12	22.03	21.91	21.91	
10	16QAM	25	25	22.03	21.88	21.69	
10	16QAM	50	0	21.92	21.86	21.94	
10	64QAM	1	0	22.00	21.97	21.91	22.8
10	64QAM	1	25	21.88	21.94	21.81	
10	64QAM	1	49	21.98	21.89	21.82	
10	64QAM	25	0	20.81	20.91	21.00	21.8
10	64QAM	25	12	21.01	20.80	20.91	
10	64QAM	25	25	20.90	20.90	20.82	
10	64QAM	50	0	20.95	20.80	20.75	
10	256QAM	1	0	18.75	18.87	18.79	19.8
10	256QAM	1	25	18.80	18.80	18.86	
10	256QAM	1	49	18.74	18.78	18.79	
10	256QAM	25	0	18.74	18.84	18.80	19.8
10	256QAM	25	12	18.83	18.85	18.86	
10	256QAM	25	25	18.82	18.76	18.81	
10	256QAM	50	0	18.71	18.80	18.83	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.29	22.34	22.18	23.3
5	QPSK	1	12	22.38	22.40	22.30	
5	QPSK	1	24	22.29	22.25	22.23	
5	QPSK	12	0	22.23	22.32	22.14	23.3
5	QPSK	12	7	22.29	22.35	22.22	
5	QPSK	12	13	22.28	22.30	22.26	
5	QPSK	25	0	22.25	22.38	22.29	
5	16QAM	1	0	22.18	22.20	22.26	23.3
5	16QAM	1	12	22.17	22.33	22.17	
5	16QAM	1	24	22.25	22.43	22.11	
5	16QAM	12	0	21.84	21.84	21.74	22.8
5	16QAM	12	7	21.88	21.88	21.83	
5	16QAM	12	13	21.93	21.77	21.56	
5	16QAM	25	0	21.90	21.80	21.89	
5	64QAM	1	0	21.94	21.96	21.83	22.8
5	64QAM	1	12	21.75	21.91	21.80	
5	64QAM	1	24	21.93	21.77	21.81	
5	64QAM	12	0	20.66	20.86	20.91	21.8
5	64QAM	12	7	20.92	20.69	20.80	
5	64QAM	12	13	20.89	20.75	20.75	
5	64QAM	25	0	20.94	20.73	20.74	
5	256QAM	1	0	18.69	18.73	18.75	19.8
5	256QAM	1	12	18.65	18.66	18.85	
5	256QAM	1	24	18.73	18.76	18.72	
5	256QAM	12	0	18.59	18.72	18.68	19.8
5	256QAM	12	7	18.72	18.80	18.79	
5	256QAM	12	13	18.67	18.64	18.68	
5	256QAM	25	0	18.63	18.69	18.75	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.33	22.26	22.23	23.3
3	QPSK	1	8	22.28	22.41	22.31	
3	QPSK	1	14	22.28	22.33	22.21	
3	QPSK	8	0	22.24	22.31	22.22	23.3
3	QPSK	8	4	22.35	22.30	22.29	
3	QPSK	8	7	22.24	22.29	22.23	
3	QPSK	15	0	22.35	22.39	22.30	
3	16QAM	1	0	22.29	22.22	22.26	23.3
3	16QAM	1	8	22.27	22.29	22.22	
3	16QAM	1	14	22.20	22.39	22.13	
3	16QAM	8	0	21.86	21.85	21.83	22.8
3	16QAM	8	4	21.98	21.79	21.77	
3	16QAM	8	7	21.92	21.78	21.59	
3	16QAM	15	0	21.80	21.83	21.90	
3	64QAM	1	0	21.93	21.85	21.84	22.8
3	64QAM	1	8	21.80	21.89	21.75	
3	64QAM	1	14	21.88	21.79	21.68	
3	64QAM	8	0	20.73	20.82	20.89	21.8
3	64QAM	8	4	20.94	20.71	20.81	
3	64QAM	8	7	20.76	20.87	20.81	
3	64QAM	15	0	20.90	20.78	20.72	
3	256QAM	1	0	18.72	18.78	18.75	19.8
3	256QAM	1	8	18.73	18.78	18.74	
3	256QAM	1	14	18.71	18.73	18.77	
3	256QAM	8	0	18.70	18.79	18.79	19.8
3	256QAM	8	4	18.70	18.72	18.74	
3	256QAM	8	7	18.75	18.62	18.72	
3	256QAM	15	0	18.65	18.75	18.76	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.38	22.30	22.28	23.3
1.4	QPSK	1	3	22.40	22.36	22.34	
1.4	QPSK	1	5	22.32	22.30	22.25	
1.4	QPSK	3	0	22.24	22.32	22.18	
1.4	QPSK	3	1	22.28	22.38	22.18	
1.4	QPSK	3	3	22.26	22.32	22.13	
1.4	QPSK	6	0	22.30	22.32	22.26	23.3
1.4	16QAM	1	0	22.24	22.26	22.15	23.3
1.4	16QAM	1	3	22.24	22.24	22.26	
1.4	16QAM	1	5	22.21	22.38	22.13	
1.4	16QAM	3	0	22.29	22.24	22.21	
1.4	16QAM	3	1	22.24	22.22	22.24	
1.4	16QAM	3	3	22.28	22.36	22.10	
1.4	16QAM	6	0	21.86	21.71	21.85	22.8
1.4	64QAM	1	0	21.95	21.95	21.77	22.8
1.4	64QAM	1	3	21.73	21.91	21.78	
1.4	64QAM	1	5	21.97	21.83	21.74	
1.4	64QAM	3	0	21.94	21.86	21.72	
1.4	64QAM	3	1	21.60	21.78	21.67	
1.4	64QAM	3	3	21.96	21.74	21.69	
1.4	64QAM	6	0	20.92	20.74	20.73	21.8
1.4	256QAM	1	0	18.68	18.82	18.65	19.8
1.4	256QAM	1	3	18.68	18.65	18.72	
1.4	256QAM	1	5	18.67	18.74	18.73	
1.4	256QAM	3	0	18.63	18.81	18.76	
1.4	256QAM	3	1	18.69	18.71	18.79	
1.4	256QAM	3	3	18.67	18.70	18.74	
1.4	256QAM	6	0	18.63	18.72	18.81	19.8

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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)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.32	22.47	22.47	22.8
20	QPSK	1	49	22.45	22.52	22.48	
20	QPSK	1	99	22.35	22.37	22.36	
20	QPSK	50	0	22.41	22.45	22.35	22.8
20	QPSK	50	24	22.43	22.49	22.44	
20	QPSK	50	50	22.32	22.41	22.40	
20	QPSK	100	0	22.34	22.47	22.42	
20	16QAM	1	0	22.36	22.38	22.46	22.8
20	16QAM	1	49	22.36	22.39	22.43	
20	16QAM	1	99	22.38	22.51	22.33	
20	16QAM	50	0	21.72	21.92	21.97	22.3
20	16QAM	50	24	21.86	22.04	22.02	
20	16QAM	50	50	21.85	22.03	22.04	
20	16QAM	100	0	21.76	21.95	21.99	
20	64QAM	1	0	22.14	22.19	22.20	22.3
20	64QAM	1	49	22.11	22.12	22.10	
20	64QAM	1	99	22.04	22.06	22.05	
20	64QAM	50	0	20.88	20.99	20.83	21.3
20	64QAM	50	24	20.84	21.05	20.96	
20	64QAM	50	50	20.80	21.07	21.02	
20	64QAM	100	0	20.80	20.93	20.97	
20	256QAM	1	0	18.87	18.93	18.90	19.3
20	256QAM	1	49	18.93	18.94	18.87	
20	256QAM	1	99	18.87	18.95	18.89	
20	256QAM	50	0	18.94	18.97	18.86	19.3
20	256QAM	50	24	18.87	18.85	18.85	
20	256QAM	50	50	18.92	18.90	18.97	
20	256QAM	100	0	18.84	18.91	18.90	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.22	22.42	22.39	22.8
15	QPSK	1	37	22.40	22.45	22.37	
15	QPSK	1	74	22.29	22.25	22.35	
15	QPSK	36	0	22.37	22.39	22.29	22.8
15	QPSK	36	20	22.29	22.42	22.30	
15	QPSK	36	39	22.26	22.32	22.34	
15	QPSK	75	0	22.23	22.46	22.34	22.8
15	16QAM	1	0	22.23	22.28	22.44	
15	16QAM	1	37	22.26	22.32	22.35	
15	16QAM	1	74	22.30	22.48	22.30	
15	16QAM	36	0	21.62	21.88	21.90	22.3
15	16QAM	36	20	21.72	21.92	21.98	
15	16QAM	36	39	21.77	21.98	21.91	
15	16QAM	75	0	21.74	21.85	21.93	
15	64QAM	1	0	22.11	22.16	22.15	22.3
15	64QAM	1	37	21.97	21.97	21.96	
15	64QAM	1	74	21.92	21.99	21.98	
15	64QAM	36	0	20.86	20.92	20.68	21.3
15	64QAM	36	20	20.78	20.93	20.92	
15	64QAM	36	39	20.73	21.01	20.99	
15	64QAM	75	0	20.67	20.83	20.87	
15	256QAM	1	0	18.76	18.86	18.79	19.3
15	256QAM	1	37	18.82	18.82	18.72	
15	256QAM	1	74	18.83	18.83	18.75	
15	256QAM	36	0	18.91	18.82	18.71	19.3
15	256QAM	36	20	18.77	18.72	18.77	
15	256QAM	36	39	18.86	18.79	18.96	
15	256QAM	75	0	18.75	18.81	18.80	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.30	22.37	22.36	22.8
10	QPSK	1	25	22.30	22.38	22.41	
10	QPSK	1	49	22.22	22.33	22.30	
10	QPSK	25	0	22.26	22.40	22.28	22.8
10	QPSK	25	12	22.31	22.35	22.40	
10	QPSK	25	25	22.30	22.35	22.38	
10	QPSK	50	0	22.24	22.39	22.35	
10	16QAM	1	0	22.30	22.37	22.40	22.8
10	16QAM	1	25	22.19	22.29	22.38	
10	16QAM	1	49	22.35	22.48	22.24	
10	16QAM	25	0	21.57	21.82	21.87	22.3
10	16QAM	25	12	21.77	21.92	21.98	
10	16QAM	25	25	21.82	22.02	21.94	
10	16QAM	50	0	21.72	21.82	21.95	
10	64QAM	1	0	22.00	22.06	22.15	22.3
10	64QAM	1	25	22.08	22.01	21.95	
10	64QAM	1	49	21.96	21.92	21.99	
10	64QAM	25	0	20.75	20.90	20.72	21.3
10	64QAM	25	12	20.78	21.04	20.82	
10	64QAM	25	25	20.67	20.99	20.93	
10	64QAM	50	0	20.76	20.92	20.84	
10	256QAM	1	0	18.77	18.92	18.83	19.3
10	256QAM	1	25	18.79	18.82	18.77	
10	256QAM	1	49	18.73	18.85	18.85	
10	256QAM	25	0	18.81	18.96	18.82	19.3
10	256QAM	25	12	18.84	18.77	18.80	
10	256QAM	25	25	18.86	18.83	18.89	
10	256QAM	50	0	18.74	18.81	18.77	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.20	22.45	22.46	22.8
5	QPSK	1	12	22.36	22.40	22.43	
5	QPSK	1	24	22.23	22.29	22.32	
5	QPSK	12	0	22.31	22.39	22.32	22.8
5	QPSK	12	7	22.36	22.38	22.33	
5	QPSK	12	13	22.25	22.39	22.29	
5	QPSK	25	0	22.33	22.40	22.33	
5	16QAM	1	0	22.24	22.37	22.38	22.8
5	16QAM	1	12	22.26	22.35	22.37	
5	16QAM	1	24	22.24	22.47	22.32	
5	16QAM	12	0	21.57	21.78	21.93	22.3
5	16QAM	12	7	21.79	22.00	21.91	
5	16QAM	12	13	21.70	21.93	21.89	
5	16QAM	25	0	21.70	21.87	21.91	
5	64QAM	1	0	22.10	22.06	22.16	22.3
5	64QAM	1	12	21.97	22.09	21.96	
5	64QAM	1	24	22.03	22.01	21.96	
5	64QAM	12	0	20.85	20.89	20.78	21.3
5	64QAM	12	7	20.82	21.01	20.85	
5	64QAM	12	13	20.65	20.94	20.98	
5	64QAM	25	0	20.68	20.92	20.96	
5	256QAM	1	0	18.85	18.88	18.89	19.3
5	256QAM	1	12	18.78	18.87	18.83	
5	256QAM	1	24	18.75	18.80	18.75	
5	256QAM	12	0	18.87	18.96	18.74	19.3
5	256QAM	12	7	18.80	18.83	18.80	
5	256QAM	12	13	18.81	18.76	18.89	
5	256QAM	25	0	18.74	18.84	18.77	

Band 7_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)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.32	21.27	21.26	21.8
20	QPSK	1	49	21.33	21.42	21.38	
20	QPSK	1	99	21.22	21.31	21.25	
20	QPSK	50	0	21.26	21.31	21.25	21.8
20	QPSK	50	24	21.29	21.40	21.35	
20	QPSK	50	50	21.28	21.28	21.29	
20	QPSK	100	0	21.23	21.32	21.24	
20	16QAM	1	0	21.26	21.24	21.16	21.8
20	16QAM	1	49	21.19	21.38	21.26	
20	16QAM	1	99	21.16	21.26	21.13	
20	16QAM	50	0	21.24	21.28	21.10	21.8
20	16QAM	50	24	21.22	21.31	21.31	
20	16QAM	50	50	21.20	21.27	21.23	
20	16QAM	100	0	21.11	21.17	21.12	
20	64QAM	1	0	21.19	21.24	21.25	21.8
20	64QAM	1	49	21.14	21.28	21.22	
20	64QAM	1	99	21.17	21.26	21.15	
20	64QAM	50	0	20.17	20.28	20.23	20.8
20	64QAM	50	24	20.30	20.42	20.46	
20	64QAM	50	50	20.19	20.47	20.39	
20	64QAM	100	0	20.18	20.33	20.33	
20	256QAM	1	0	18.27	18.28	18.23	18.8
20	256QAM	1	49	18.31	18.23	18.23	
20	256QAM	1	99	18.28	18.28	18.28	18.8
20	256QAM	50	0	18.36	18.16	18.28	
20	256QAM	50	24	18.36	18.20	18.34	
20	256QAM	50	50	18.29	18.29	18.30	
20	256QAM

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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)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.90	19.07	18.93	
20	QPSK	1	49	19.03	19.08	19.00	19.3
20	QPSK	1	99	18.90	19.01	18.89	
20	QPSK	50	0	19.00	18.99	18.93	
20	QPSK	50	24	19.01	19.05	18.96	19.3
20	QPSK	50	50	18.92	19.00	18.90	
20	QPSK	100	0	18.99	19.04	18.95	
20	16QAM	1	0	18.97	18.98	18.97	
20	16QAM	1	49	18.97	19.03	18.90	19.3
20	16QAM	1	99	18.97	18.98	18.95	
20	16QAM	50	0	18.89	18.94	18.94	
20	16QAM	50	24	18.91	19.01	18.88	19.3
20	16QAM	50	50	18.92	18.94	18.90	
20	16QAM	100	0	18.89	19.06	18.93	
20	64QAM	1	0	18.98	18.96	18.96	
20	64QAM	1	49	19.01	19.01	18.86	19.3
20	64QAM	1	99	18.89	19.04	18.85	
20	64QAM	50	0	18.77	18.95	18.87	
20	64QAM	50	24	18.87	18.87	18.83	19.3
20	64QAM	50	50	18.91	19.00	18.84	
20	64QAM	100	0	18.86	19.03	18.71	
20	256QAM	1	0	18.33	18.25	18.21	
20	256QAM	1	49	18.22	18.11	18.13	18.8
20	256QAM	1	99	18.23	18.13	18.20	
20	256QAM	50	0	18.31	18.10	18.07	
20	256QAM	50	24	18.18	18.11	18.11	18.8
20	256QAM	50	50	18.32	18.15	18.06	
20	256QAM	100	0	18.31	18.10	18.16	
Channel				20525	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.83	19.00	18.82	
15	QPSK	1	37	18.88	19.02	18.94	19.3
15	QPSK	1	74	18.87	19.00	18.85	
15	QPSK	36	0	18.95	18.96	18.89	
15	QPSK	36	20	18.91	19.00	18.87	19.3
15	QPSK	36	39	18.81	18.91	18.85	
15	QPSK	75	0	18.97	18.94	18.88	
15	16QAM	1	0	18.92	18.83	18.93	
15	16QAM	1	37	18.93	19.01	18.79	19.3
15	16QAM	1	74	18.95	18.96	18.85	
15	16QAM	36	0	18.85	18.81	18.80	
15	16QAM	36	20	18.86	18.92	18.86	19.3
15	16QAM	36	39	18.81	18.86	18.86	
15	16QAM	75	0	18.83	19.02	18.83	
15	64QAM	1	0	18.89	18.81	18.86	
15	64QAM	1	37	18.93	19.00	18.84	19.3
15	64QAM	1	74	18.82	18.90	18.72	
15	64QAM	36	0	19.02	18.93	18.97	
15	64QAM	36	20	18.84	18.89	18.94	19.3
15	64QAM	36	39	18.87	18.82	18.91	
15	64QAM	75	0	18.77	18.88	18.84	
15	256QAM	1	0	18.21	18.13	18.19	
15	256QAM	1	37	18.07	18.01	18.06	18.8
15	256QAM	1	74	18.18	18.04	18.05	
15	256QAM	36	0	18.25	18.04	18.04	
15	256QAM	36	20	18.08	18.04	18.07	18.8
15	256QAM	36	39	18.23	18.14	17.91	
15	256QAM	75	0	18.21	17.96	18.03	
Channel				20600	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.80	19.03	18.82	
10	QPSK	1	25	18.97	18.95	18.87	19.3
10	QPSK	1	49	18.86	18.91	18.75	
10	QPSK	25	0	18.99	18.89	18.80	
10	QPSK	25	12	18.92	19.02	18.81	19.3
10	QPSK	25	25	18.82	18.98	18.79	
10	QPSK	50	0	18.94	18.90	18.91	
10	16QAM	1	0	18.87	18.88	18.83	
10	16QAM	1	25	18.87	18.89	18.87	19.3
10	16QAM	1	49	18.90	18.93	18.80	
10	16QAM	25	0	18.85	18.89	18.86	
10	16QAM	25	12	18.84	18.90	18.74	19.3
10	16QAM	25	25	18.77	18.80	18.75	
10	16QAM	50	0	18.83	19.01	18.89	
10	64QAM	1	0	18.86	18.83	18.90	
10	64QAM	1	25	18.86	18.99	18.84	19.3
10	64QAM	1	49	18.83	18.96	18.70	
10	64QAM	25	0	19.03	18.95	18.98	
10	64QAM	25	12	18.91	18.98	18.98	19.3
10	64QAM	25	25	18.90	18.81	18.89	
10	64QAM	50	0	18.76	18.92	18.82	
10	256QAM	1	0	18.25	18.13	18.08	
10	256QAM	1	25	18.20	17.98	18.07	18.8
10	256QAM	1	49	18.10	18.11	18.00	
10	256QAM	25	0	18.30	17.96	18.06	
10	256QAM	25	12	18.16	18.06	18.09	18.8
10	256QAM	25	25	18.20	18.03	17.95	
10	256QAM	50	0	18.28	18.02	18.02	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.77	19.03	18.83	
5	QPSK	1	12	18.90	19.01	18.93	19.3
5	QPSK	1	24	18.88	18.87	18.74	
5	QPSK	12	0	18.91	18.84	18.88	
5	QPSK	12	7	18.90	19.04	18.84	19.3
5	QPSK	12	13	18.86	18.99	18.77	
5	QPSK	25	0	18.84	18.90	18.82	
5	16QAM	1	0	18.95	18.96	18.89	
5	16QAM	1	12	18.93	18.99	18.86	19.3
5	16QAM	1	24	18.85	18.92	18.93	
5	16QAM	12	0	18.78	18.93	18.89	
5	16QAM	12	7	18.81	18.88	18.77	19.3
5	16QAM	12	13	18.90	18.90	18.84	
5	16QAM	25	0	18.88	19.00	18.88	
5	64QAM	1	0	18.91	18.86	18.90	
5	64QAM	1	12	18.95	18.87	18.80	19.3
5	64QAM	1	24	18.74	19.03	18.71	
5	64QAM	12	0	18.90	18.97	19.01	
5	64QAM	12	7	18.79	18.94	19.03	19.3
5	64QAM	12	13	18.96	18.91	18.84	
5	64QAM	25	0	18.75	18.92	18.82	
5	256QAM	1	0	18.20	18.19	18.06	
5	256QAM	1	12	18.10	18.01	18.07	18.8
5	256QAM	1	24	18.21	18.02	18.18	
5	256QAM	12	0	18.18	18.06	18.01	
5	256QAM	12	7	18.08	18.08	18.04	18.8
5	256QAM	12	13	18.28	18.08	18.04	
5	256QAM	25	0	18.30	18.09	18.08	

Band 7_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.87	21.98	21.92	
20	QPSK	1	49	22.00	22.10	22.02	22.3
20	QPSK	1	99	21.87	22.09	21.94	
20	QPSK	50	0	21.91	22.00	21.88	
20	QPSK	50	24	21.98	22.03	21.97	22.3
20	QPSK	50	50	21.96	21.97	21.96	
20	QPSK	100	0	21.85	22.00	21.89	
20	16QAM	1	0	21.96	22.09	21.94	
20	16QAM	1	49	21.90	22.08	21.93	22.3
20	16QAM	1	99	21.85	21.99	21.88	
20	16QAM	50	0	21.46	21.60	21.58	
20	16QAM	50	24	21.43	21.56	21.46	21.8
20	16QAM	50	50	21.35	21.57	21.57	
20	16QAM	100	0	21.33	21.51	21.51	
20	64QAM	1	0	21.33	21.46	21.56	
20	64QAM	1	49	21.37	21.45	21.57	21.8
20	64QAM	1	99	21.42	21.45	21.50	
20	64QAM	50	0	20.50	20.67	20.62	
20	64QAM	50	24	20.36	20.59	20.53	20.8
20	64QAM	50	50	20.41	20.59	20.55	
20	64QAM	100	0	20.38	20.59	20.51	
20	256QAM	1	0	18.35	18.40	18.32	
20	256QAM	1	49	18.27	18.35	18.27	18.8
20	256QAM	1	99	18.28	18.38	18.22	
20	256QAM	50	0	18.29	18.39	18.18	
20	256QAM	50	24	18.22	18.36	18.25	18.8
20	256QAM	50	50	18.30	18.34	18.27	
20	256QAM	100	0	18.29	18.30	18.25	
Channel				20525	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.83	21.83	21.81	
15	QPSK	1	37	21.95	22.05	21.96	22.3
15	QPSK	1	74	21.83	22.06	21.86	
15	QPSK	36	0	21.81	21.95	21.81	
15	QPSK	36	20	21.95	22.01	21.89	22.3
15	QPSK	36	39	21.86	21.95	21.88	
15	QPSK	75	0	21.72	21.94	21.84	
15	16QAM	1	0	21.67	22.00	21.80	
15	16QAM	1	37	21.89	22.01	21.92	22.3
15	16QAM	1	74	21.77	21.94	21.79	
15	16QAM	36	0	21.32	21.47	21.48	
15	16QAM	36	20	21.39	21.53	21.31	21.8
15	16QAM	36	39	21.27	21.52	21.46	
15	16QAM	75	0	21.18	21.45	21.46	
15	64QAM	1	0	21.32	21.45	21.54	
15	64QAM	1	37	21.26	21.41	21.44	21.8
15	64QAM	1	74	21.36	21.36	21.44	
15	64QAM	36	0	20.49	20.59	20.60	
15	64QAM	36	20	20.28	20.51	20.43	20.8
15	64QAM	36	39	20.39	20.49	20.46	
15	64QAM	75	0	20.29	20.46	20.45	
15	256QAM	1	0	18.21	18.37	18.30	
15	256QAM	1	37	18.14	18.25	18.13	18.8
15	256QAM	1	74	18.24	18.32	18.21	
15	256QAM	36	0	18.17	18.24	18.05	
15	256QAM	36	20	18.16	18.33	18.12	18.8
15	256QAM	36	39	18.25	18.32	18.25	
15	256QAM	75	0	18.16	18.18	18.20	
Channel				20600	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.81	21.97	21.84	
10	QPSK	1	25	21.90	21.98	22.01	22.3
10	QPSK	1	49	21.78	21.95	21.92	
10	QPSK	25	0	21.85	21.86	21.73	
10	QPSK	25	12	21.94	22.00	21.84	22.3
10	QPSK	25	25	21.85	21.94	21.82	
10	QPSK	50	0	21.75	21.95	21.77	
10	16QAM	1	0	21.88	22.06	21.90	
10	16QAM	1	25	21.75	21.96	21.79	22.3
10	16QAM	1	49	21.80	21.96	21.80	
10	16QAM	25	0	21.42	21.47	21.46	
10	16QAM	25	12	21.31	21.41	21.41	21.8
10	16QAM	25	25	21.34	21.49	21.42	
10	16QAM	50	0	21.22	21.40	21.42	
10	64QAM	1	0	21.23	21.38	21.51	
10	64QAM	1	25	21.25	21.33	21.50	21.8
10	64QAM	1	49	21.41	21.37	21.46	
10	64QAM	25	0	20.47	20.65	20.50	
10	64QAM	25	12	20.33	20.57	20.46	20.8
10	64QAM	25	25	20.31	20.57	20.43	
10	64QAM	50	0	20.27	20.57	20.48	
10	256QAM	1	0	18.25	18.29	18.21	
10	256QAM	1	25	18.14	18.31	18.23	18.8
10	256QAM	1	49	18.14	18.34	18.07	
10	256QAM	25	0	18.27	18.37	18.16	
10	256QAM	25	12	18.08	18.35	18.10	18.8
10	256QAM	25	25	18.27	18.23	18.12	
10	256QAM	50	0	18.21	18.16	18.10	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.80	21.85	21.84	
5	QPSK	1	12	21.86	22.04	21.99	22.3
5	QPSK	1	24	21.73	21.98	21.91	
5	QPSK	12	0	21.82	21.91	21.74	
5	QPSK	12	7	21.88	21.94	21.85	22.3
5	QPSK	12	13	21.94	21.84	21.81	
5	QPSK	25	0	21.71	21.91	21.78	
5	16QAM	1	0	21.86	22.01	21.80	
5	16QAM	1	12	21.75	22.06	21.91	22.3
5	16QAM	1	24	21.77	21.97	21.83	
5	16QAM	12	0	21.35	21.48	21.55	
5	16QAM	12	7	21.37	21.45	21.46	21.8
5	16QAM	12	13	21.23	21.43	21.47	
5	16QAM	25	0	21.20	21.42	21.49	
5	64QAM	1	0	21.23	21.36	21.45	
5	64QAM	1	12	21.22	21.40	21.44	21.8
5	64QAM	1	24	21.32	21.42	21.38	
5	64QAM	12	0	20.35	20.57	20.54	
5	64QAM	12	7	20.32	20.47	20.42	20.8
5	64QAM	12	13	20.32	20.48	20.48	
5	64QAM	25	0	20.32	20.56	20.46	
5	256QAM	1	0	18.34	18.28	18.23	
5	256QAM	1	12	18.26	18.29	18.23	18.8
5	256QAM	1	24	18.20	18.23	18.16	
5	256QAM	12	0	18.15	18.30	18.07	
5	256QAM	12	7	18.11	18.30	18.24	18.8
5	256QAM	12	13	18.20	18.28	18.14	
5	256QAM	25	0	18.15	18.22	18.16	

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.88	23.80	23.79	
10	QPSK	1	25	23.90	23.85	23.88	25
10	QPSK	1	49	23.80	23.71	23.82	
10	QPSK	25	0	22.68	22.70	22.73	
10	QPSK	25	12	22.86	22.85	22.83	24
10	QPSK	25	25	22.82	22.84	22.80	
10	QPSK	50	0	22.78	22.71	22.70	
10	16QAM	1	0	22.77	22.75	22.82	
10	16QAM	1	25	22.74	22.72	22.75	24
10	16QAM	1	49	22.85	22.75	22.82	
10	16QAM	25	0	21.72	21.81	21.72	
10	16QAM	25	12	21.89	21.86	21.73	23
10	16QAM	25	25	21.82	21.83	21.86	
10	16QAM	50	0	21.70	21.71	21.71	
10	64QAM	1	0	22.13	22.00	22.04	
10	64QAM	1	25	21.95	21.93	21.96	23
10	64QAM	1	49	22.08	22.10	22.15	
10	64QAM	25	0	20.65	20.87	20.82	
10	64QAM	25	12	20.96	20.89	20.89	22
10	64QAM	25	25	20.98	20.86	20.85	
10	64QAM	50	0	20.82	20.78	20.78	
10	256QAM	1	0	18.76	18.76	18.77	
10	256QAM	1	25	18.86	18.75	18.80	20
10	256QAM	1	49	18.83	18.75	18.77	
10	256QAM	25	0	18.82	18.69	18.71	
10	256QAM	25	12	18.76	18.63	18.75	20
10	256QAM	25	25	18.78	18.63	18.75	
10	256QAM	50	0	18.84	18.71	18.83	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.77	23.77	23.76	
5	QPSK	1	12	23.80	23.84	23.81	25
5	QPSK	1	24	23.71	23.57	23.77	
5	QPSK	12	0	22.55	22.67	22.71	
5	QPSK	12	7	22.79	22.81	22.77	24
5	QPSK	12	13	22.68	22.82	22.70	
5	QPSK	25	0	22.70	22.63	22.60	
5	16QAM	1	0	22.67	22.74	22.77	
5	16QAM	1	12	22.59	22.60	22.62	24
5	16QAM	1	24	22.84	22.64	22.67	
5	16QAM	12	0	21.67	21.66	21.58	
5	16QAM	12	7	21.88	21.83	21.89	23
5	16QAM	12	13	21.71	21.82	21.80	
5	16QAM	25	0	21.57	21.67	21.69	
5	64QAM	1	0	21.99	21.95	21.99	
5	64QAM	1	12	21.89	21.80	21.90	23
5	64QAM	1	24	21.98	21.90	22.07	
5	64QAM	12	0	20.50	20.77	20.67	
5	64QAM	12	7	20.89	20.88	20.85	22
5	64QAM	12	13	20.83	20.79	20.77	
5	64QAM	25	0	20.70	20.65	20.72	
5	256QAM	1	0	18.75	18.62	18.69	
5	256QAM	1	12	18.80	18.74	18.66	20
5	256QAM	1	24	18.68	18.74	18.62	
5	256QAM	12	0	18.70	18.59	18.60	
5	256QAM	12	7	18.68	18.50	18.69	20
5	256QAM	12	13	18.67	18.62	18.60	
5	256QAM	25	0	18.72	18.68	18.76	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.82	23.70	23.77	
3	QPSK	1	8	23.85	23.75	23.85	25
3	QPSK	1	14	23.67	23.58	23.75	
3	QPSK	8	0	22.54	22.56	22.58	
3	QPSK	8	4	22.85	22.74	22.82	24
3	QPSK	8	7	22.78	22.81	22.73	
3	QPSK	15	0	22.64	22.68	22.66	
3	16QAM	1	0	22.71	22.63	22.67	
3	16QAM	1	8	22.62	22.67	22.61	24
3	16QAM	1	14	22.78	22.60	22.68	
3	16QAM	8	0	21.69	21.67	21.71	
3	16QAM	8	4	21.75	21.79	21.69	23
3	16QAM	8	7	21.75	21.78	21.82	
3	16QAM	15	0	21.59	21.59	21.59	
3	64QAM	1	0	22.12	21.94	22.02	
3	64QAM	1	8	21.82	21.87	21.88	23
3	64QAM	1	14	21.97	22.04	22.02	
3	64QAM	8	0	20.59	20.75	20.74	
3	64QAM	8	4	20.92	20.80	20.75	22
3	64QAM	8	7	20.92	20.80	20.72	
3	64QAM	15	0	20.70	20.67	20.69	
3	256QAM	1	0	18.70	18.65	18.73	
3	256QAM	1	8	18.80	18.72	18.66	20
3	256QAM	1	14	18.77	18.67	18.64	
3	256QAM	8	0	18.80	18.57	18.65	
3	256QAM	8	4	18.61	18.50	18.65	20
3	256QAM	8	7	18.72	18.49	18.71	
3	256QAM	15	0	18.61	18.62	18.80	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.83	23.68	23.71	
1.4	QPSK	1	3	23.82	23.73	23.75	
1.4	QPSK	1	5	23.74	23.65	23.74	25
1.4	QPSK	3	0	23.74	23.57	23.65	
1.4	QPSK	3	1	23.79	23.59	23.63	
1.4	QPSK	3	3	23.60	23.62	23.61	
1.4	QPSK	6	0	22.74	22.63	22.65	24
1.4	16QAM	1	0	22.73	22.68	22.71	
1.4	16QAM	1	3	22.59	22.65	22.64	
1.4	16QAM	1	5	22.76	22.66	22.68	24
1.4	16QAM	3	0	22.72	22.54	22.61	
1.4	16QAM	3	1	22.51	22.50	22.60	
1.4	16QAM	3	3	22.61	22.52	22.65	
1.4	16QAM	6	0	21.57	21.58	21.60	23
1.4	64QAM	1	0	22.00	21.94	21.89	
1.4	64QAM	1	3	21.97	21.82	21.85	
1.4	64QAM	1	5	22.06	21.99	22.10	23
1.4	64QAM	3	0	21.97	21.89	21.86	
1.4	64QAM	3	1	21.80	21.69	21.77	
1.4	64QAM	3	3	21.97	21.89	22.05	
1.4	64QAM	6	0	20.76	20.76	20.75	22
1.4	256QAM	1	0	18.75	18.68	18.65	
1.4	256QAM	1	3	18.81	18.64	18.79	
1.4	256QAM	1	5	18.75	18.70	18.63	20
1.4	256QAM	3	0	18.76	18.64	18.68	
1.4	256QAM	3	1	18.73	18.52	18.65	
1.4	256QAM	3	3	18.66	18.53	18.64	
1.4	256QAM	6	0	18.79	18.61	18.79	20

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.50	23.50	23.53	
10	QPSK	1	25	23.58	23.55	23.54	24.8
10	QPSK	1	49	23.45	23.32	23.41	
10	QPSK	25	0	22.61	22.59	22.60	
10	QPSK	25	12	22.69	22.67	22.65	23.8
10	QPSK	25	25	22.59	22.66	22.65	
10	QPSK	50	0	22.61	22.57	22.50	
10	16QAM	1	0	22.61	22.63	22.54	
10	16QAM	1	25	22.54	22.55	22.54	23.8
10	16QAM	1	49	22.52	22.51	22.44	
10	16QAM	25	0	21.54	21.67	21.56	
10	16QAM	25	12	21.68	21.69	21.45	22.8
10	16QAM	25	25	21.78	21.69	21.76	
10	16QAM	50	0	21.67	21.55	21.65	
10	64QAM	1	0	21.78	21.68	21.74	
10	64QAM	1	25	21.89	21.71	21.85	22.8
10	64QAM	1	49	21.83	21.61	21.84	
10	64QAM	25	0	20.58	20.69	20.64	
10	64QAM	25	12	20.58	20.53	20.66	21.8
10	64QAM	25	25	20.57	20.70	20.69	
10	64QAM	50	0	20.62	20.50	20.54	
10	256QAM	1	0	18.55	18.60	18.52	
10	256QAM	1	25	18.43	18.47	18.49	19.8
10	256QAM	1	49	18.54	18.53	18.40	
10	256QAM	25	0	18.41	18.54	18.38	
10	256QAM	25	12	18.41	18.57	18.51	19.8
10	256QAM	25	25	18.46	18.59	18.40	
10	256QAM	50	0	18.54	18.57	18.41	
Channel				23025	23095	23165	Tune-up lim

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.34		
10	QPSK	1	25		23.45		24.8
10	QPSK	1	49		23.41		
10	QPSK	25	0		22.43		
10	QPSK	25	12		22.58		23.8
10	QPSK	25	25		22.55		
10	QPSK	50	0		22.46		
10	16QAM	1	0		22.76		
10	16QAM	1	25		22.65		23.8
10	16QAM	1	49		22.82		
10	16QAM	25	0		21.50		
10	16QAM	25	12		21.54		22.8
10	16QAM	25	25		21.60		
10	16QAM	50	0		21.42		
10	64QAM	1	0		21.29		
10	64QAM	1	25		21.50		22.8
10	64QAM	1	49		21.41		
10	64QAM	25	0		20.53		
10	64QAM	25	12		20.57		21.8
10	64QAM	25	25		20.60		
10	64QAM	50	0		20.53		
10	256QAM	1	0		18.40		
10	256QAM	1	25		18.45		19.8
10	256QAM	1	49		18.42		
10	256QAM	25	0		18.31		
10	256QAM	25	12		18.39		19.8
10	256QAM	25	25		18.34		
10	256QAM	50	0		18.29		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.23	23.26	23.30	
5	QPSK	1	12	23.42	23.31	23.40	24.8
5	QPSK	1	24	23.40	23.32	23.35	
5	QPSK	12	0	22.30	22.33	22.38	
5	QPSK	12	7	22.55	22.54	22.50	23.8
5	QPSK	12	13	22.40	22.53	22.40	
5	QPSK	25	0	22.42	22.43	22.34	
5	16QAM	1	0	22.65	22.65	22.61	
5	16QAM	1	12	22.57	22.53	22.58	23.8
5	16QAM	1	24	22.67	22.77	22.73	
5	16QAM	12	0	21.38	21.47	21.42	
5	16QAM	12	7	21.48	21.51	21.44	22.8
5	16QAM	12	13	21.59	21.53	21.45	
5	16QAM	25	0	21.28	21.31	21.28	
5	64QAM	1	0	21.21	21.25	21.27	
5	64QAM	1	12	21.40	21.40	21.42	22.8
5	64QAM	1	24	21.29	21.26	21.32	
5	64QAM	12	0	20.48	20.50	20.43	
5	64QAM	12	7	20.52	20.53	20.56	21.8
5	64QAM	12	13	20.50	20.48	20.47	
5	64QAM	25	0	20.41	20.44	20.40	
5	256QAM	1	0	18.28	18.26	18.32	
5	256QAM	1	12	18.34	18.41	18.39	19.8
5	256QAM	1	24	18.32	18.29	18.27	
5	256QAM	12	0	18.27	18.20	18.29	
5	256QAM	12	7	18.32	18.31	18.32	
5	256QAM	12	13	18.23	18.30	18.30	19.8
5	256QAM	25	0	18.22	18.20	18.16	

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		22.92		
10	QPSK	1	25		23.25		24.3
10	QPSK	1	49		23.11		
10	QPSK	25	0		22.10		
10	QPSK	25	12		22.30		23.3
10	QPSK	25	25		22.19		
10	QPSK	50	0		22.14		
10	16QAM	1	0		21.87		
10	16QAM	1	25		22.11		23.3
10	16QAM	1	49		22.00		
10	16QAM	25	0		21.10		
10	16QAM	25	12		21.07		22.3
10	16QAM	25	25		21.30		
10	16QAM	50	0		21.20		
10	64QAM	1	0		21.20		
10	64QAM	1	25		21.39		22.3
10	64QAM	1	49		21.38		
10	64QAM	25	0		20.07		
10	64QAM	25	12		20.11		21.3
10	64QAM	25	25		20.23		
10	64QAM	50	0		20.09		
10	256QAM	1	0		18.00		
10	256QAM	1	25		18.05		19.3
10	256QAM	1	49		18.02		
10	256QAM	25	0		17.99		
10	256QAM	25	12		17.85		19.3
10	256QAM	25	25		17.94		
10	256QAM	50	0		17.88		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.86	22.79	22.78	
5	QPSK	1	12	23.17	23.10	23.18	24.3
5	QPSK	1	24	23.04	22.96	23.06	
5	QPSK	12	0	22.00	22.07	22.06	
5	QPSK	12	7	22.27	22.19	22.19	23.3
5	QPSK	12	13	22.11	22.18	22.05	
5	QPSK	25	0	22.06	22.07	22.07	
5	16QAM	1	0	21.74	21.79	21.84	
5	16QAM	1	12	22.10	21.96	22.05	23.3
5	16QAM	1	24	21.97	21.93	21.92	
5	16QAM	12	0	21.09	21.02	21.09	
5	16QAM	12	7	21.02	20.94	21.04	22.3
5	16QAM	12	13	21.16	21.19	21.24	
5	16QAM	25	0	21.13	21.14	21.08	
5	64QAM	1	0	21.13	21.10	21.07	
5	64QAM	1	12	21.26	21.32	21.28	22.3
5	64QAM	1	24	21.36	21.30	21.33	
5	64QAM	12	0	19.99	20.04	19.92	
5	64QAM	12	7	20.03	20.09	20.09	21.3
5	64QAM	12	13	20.15	20.09	20.22	
5	64QAM	25	0	19.99	19.96	19.98	
5	256QAM	1	0	17.89	17.88	17.87	
5	256QAM	1	12	17.95	17.98	17.96	19.3
5	256QAM	1	24	17.91	17.90	17.92	
5	256QAM	12	0	17.95	17.91	17.86	
5	256QAM	12	7	17.84	17.82	17.80	19.3
5	256QAM	12	13	17.87	17.87	17.88	
5	256QAM	25	0	17.78	17.76	17.78	

Band 17_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)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.43	23.78	23.45	
10	QPSK	1	25	23.75	23.80	23.71	25
10	QPSK	1	49	23.65	23.56	23.66	
10	QPSK	25	0	22.60	22.65	22.64	
10	QPSK	25	12	22.75	22.78	22.74	24
10	QPSK	25	25	22.70	22.76	22.67	
10	QPSK	50	0	22.73	22.75	22.71	
10	16QAM	1	0	22.87	22.73	22.88	
10	16QAM	1	25	22.86	22.83	22.76	24
10	16QAM	1	49	22.99	22.79	23.08	
10	16QAM	25	0	21.69	21.66	21.72	
10	16QAM	25	12	21.81	21.78	21.70	23
10	16QAM	25	25	21.79	21.67	21.68	
10	16QAM	50	0	21.70	21.60	21.64	
10	64QAM	1	0	21.79	21.81	21.73	
10	64QAM	1	25	21.91	21.93	21.95	23
10	64QAM	1	49	21.83	21.78	22.01	
10	64QAM	25	0	20.61	20.73	20.63	
10	64QAM	25	12	20.77	20.63	20.62	22
10	64QAM	25	25	20.76	20.71	20.69	
10	64QAM	50	0	20.73	20.64	20.57	
10	256QAM	1	0	18.45	18.53	18.47	
10	256QAM	1	25	18.46	18.60	18.46	20
10	256QAM	1	49	18.55	18.56	18.51	
10	256QAM	25	0	18.50	18.51	18.49	
10	256QAM	25	12	18.54	18.48	18.48	20
10	256QAM	25	25	18.54	18.56	18.50	
10	256QAM	50	0	18.49	18.46	18.51	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.32	23.75	23.44	
5	QPSK	1	12	23.71	23.72	23.59	25
5	QPSK	1	24	23.60	23.51	23.51	
5	QPSK	12	0	22.55	22.55	22.62	
5	QPSK	12	7	22.74	22.75	22.67	24
5	QPSK	12	13	22.64	22.72	22.66	
5	QPSK	25	0	22.71	22.73	22.64	
5	16QAM	1	0	22.74	22.67	22.75	
5	16QAM	1	12	22.80	22.81	22.69	24
5	16QAM	1	24	22.93	22.72	23.04	
5	16QAM	12	0	21.61	21.52	21.62	
5	16QAM	12	7	21.68	21.77	21.65	23
5	16QAM	12	13	21.64	21.62	21.62	
5	16QAM	25	0	21.59	21.46	21.55	
5	64QAM	1	0	21.72	21.69	21.64	
5	64QAM	1	12	21.77	21.78	21.81	23
5	64QAM	1	24	21.82	21.72	22.00	
5	64QAM	12	0	20.46	20.67	20.54	
5	64QAM	12	7	20.71	20.61	20.61	22
5	64QAM	12	13	20.61	20.65	20.57	
5	64QAM	25	0	20.60	20.53	20.50	
5	256QAM	1	0	18.30	18.40	18.33	
5	256QAM	1	12	18.43	18.45	18.40	20
5	256QAM	1	24	18.41	18.41	18.47	
5	256QAM	12	0	18.40	18.40	18.39	
5	256QAM	12	7	18.45	18.45	18.33	20
5	256QAM	12	13	18.53	18.42	18.48	
5	256QAM	25	0	18.43	18.41	18.37	

Band 17_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)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.41	23.48	23.40	
10	QPSK	1	25	23.42	23.50	23.44	24.8
10	QPSK	1	49	23.38	23.45	23.39	
10	QPSK	25	0	22.39	22.35	22.30	
10	QPSK	25	12	22.40	22.45	22.38	23.8
10	QPSK	25	25	22.29	22.34	22.31	
10	QPSK	50	0	22.37	22.40	22.39	
10	16QAM	1	0	22.86	22.80	22.83	
10	16QAM	1	25	22.98	22.94	22.73	23.8
10	16QAM	1	49	23.03	22.77	22.94	
10	16QAM	25	0	21.56	21.63	21.64	
10	16QAM	25	12	21.74	21.64	21.66	22.8
10	16QAM	25	25	21.80	21.71	21.71	
10	16QAM	50	0	21.74	21.53	21.62	
10	64QAM	1	0	21.85	21.60	21.84	
10	64QAM	1	25	21.89	21.74	21.85	22.8
10	64QAM	1	49	21.63	21.70	21.94	
10	64QAM	25	0	20.58	20.54	20.65	
10	64QAM	25	12	20.74	20.64	20.81	21.8
10	64QAM	25	25	20.76	20.81	20.73	
10	64QAM	50	0	20.66	20.65	20.64	
10	256QAM	1	0	18.54	18.55	18.50	
10	256QAM	1	25	18.51	18.59	18.48	19.8
10	256QAM	1	49	18.57	18.59	18.52	
10	256QAM	25	0	18.55	18.55	18.42	
10	256QAM	25	12	18.52	18.57	18.41	19.8
10	256QAM	25	25	18.49	18.58	18.49	
10	256QAM	50	0	18.59	18.49	18.44	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.28	23.40	23.33	
5	QPSK	1	12	23.39	23.42	23.38	24.8
5	QPSK	1	24	23.33	23.39	23.28	
5	QPSK	12	0	22.34	22.32	22.23	
5	QPSK	12	7	22.32	22.37	22.27	23.8
5	QPSK	12	13	22.26	22.30	22.26	
5	QPSK	25	0	22.27	22.34	22.33	
5	16QAM	1	0	22.80	22.67	22.70	
5	16QAM	1	12	22.85	22.85	22.65	23.8
5	16QAM	1	24	22.93	22.67	22.93	
5	16QAM	12	0	21.44	21.51	21.51	
5	16QAM	12	7	21.62	21.53	21.65	22.8
5	16QAM	12	13	21.67	21.66	21.67	
5	16QAM	25	0	21.63	21.46	21.47	
5	64QAM	1	0	21.76	21.50	21.80	
5	64QAM	1	12	21.67	21.61	21.73	22.8
5	64QAM	1	24	21.55	21.69	21.84	
5	64QAM	12	0	20.53	20.50	20.57	
5	64QAM	12	7	20.72	20.57	20.80	21.8
5	64QAM	12	13	20.64	20.72	20.64	
5	64QAM	25	0	20.53	20.62	20.54	
5	256QAM	1	0	18.45	18.43	18.35	
5	256QAM	1	12	18.48	18.47	18.40	19.8
5	256QAM	1	24	18.42	18.53	18.41	
5	256QAM	12	0	18.46	18.52	18.32	
5	256QAM	12	7	18.37	18.44	18.27	19.8
5	256QAM	12	13	18.38	18.50	18.39	
5	256QAM	25	0	18.45	18.41	18.43	

Band 25_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.21	21.30	21.24	
20	QPSK	1	49	21.31	21.36	21.25	22
20	QPSK	1	99	21.16	21.34	21.12	
20	QPSK	50	0	21.17	21.29	21.20	
20	QPSK	50	24	21.29	21.32	21.22	22
20	QPSK	50	50	21.26	21.29	21.20	
20	QPSK	100	0	21.26	21.28	21.10	
20	16QAM	1	0	21.16	21.28	21.11	
20	16QAM	1	49	21.29	21.32	21.20	22
20	16QAM	1	99	21.29	21.33	21.10	
20	16QAM	50	0	21.28	21.33	21.17	
20	16QAM	50	24	21.20	21.33	21.15	22
20	16QAM	50	50	21.30	21.34	21.22	
20	16QAM	100	0	21.17	21.21	21.16	
20	64QAM	1	0	21.24	21.21	21.11	
20	64QAM	1	49	21.17	21.23	21.17	22
20	64QAM	1	99	21.19	21.27	21.14	
20	64QAM	50	0	21.28	21.25	21.10	
20	64QAM	50	24	21.29	21.29	21.12	22
20	64QAM	50	50	21.20	21.33	21.10	
20	64QAM	100	0	21.16	21.24	21.24	
20	256QAM	1	0	18.98	18.96	19.05	
20	256QAM	1	49	18.96	19.09	19.02	20
20	256QAM	1	99	18.87	19.00	19.00	
20	256QAM	50	0	18.88	18.97	18.95	
20	256QAM	50	24	18.93	18.97	19.07	20
20	256QAM	50	50	19.01	18.95	19.06	
20	256QAM	100	0	19.00	18.99	18.95	
Channel				26115	26340	26565	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.13	21.16	21.09	
15	QPSK	1	37	21.28	21.34	21.19	22
15	QPSK	1	74	21.01	21.26	21.03	
15	QPSK	36	0	21.07	21.28	21.07	
15	QPSK	36	20	21.17	21.28	21.08	22
15	QPSK	36	39	21.13	21.18	21.08	
15	QPSK	75	0	21.24	21.22	21.09	
15	16QAM	1	0	21.07	21.20	21.00	
15	16QAM	1	37	21.07	21.12	21.16	22
15	16QAM	1	74	21.16	21.18	21.01	
15	16QAM	36	0	21.16	21.31	21.09	
15	16QAM	36	20	21.08	21.20	21.14	22
15	16QAM	36	39	21.20	21.16	21.09	
15	16QAM	75	0	21.02	21.16	21.01	
15	64QAM	1	0	21.23	21.19	21.02	
15	64QAM	1	37	21.05	21.12	21.11	22
15	64QAM	1	74	21.05	21.18	21.07	
15	64QAM	36	0	21.17	21.10	20.99	
15	64QAM	36	20	21.25	21.28	21.09	22
15	64QAM	36	39	21.05	21.32	20.96	
15	64QAM	75	0	21.06	21.21	21.20	
15	256QAM	1	0	18.86	18.95	19.00	
15	256QAM	1	37	18.89	18.95	18.87	20
15	256QAM	1	74	18.83	18.99	18.93	
15	256QAM	36	0	18.83	18.84	18.95	
15	256QAM	36	20	18.83	18.86	18.98	20
15	256QAM	36	39	18.99	18.83	19.00	
15	256QAM	75	0	18.99	18.96	18.83	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	21.08	21.28	21.15	
10	QPSK	1	25	21.28	21.27	21.23	22
10	QPSK	1	49	21.05	21.29	21.03	
10	QPSK	25	0	21.14	21.20	21.06	
10	QPSK	25	12	21.17	21.21	21.20	22
10	QPSK	25	25	21.20	21.18	21.09	
10	QPSK	50	0	21.15	21.22	20.95	
10	16QAM	1	0	21.03	21.27	20.98	
10	16QAM	1	25	21.12	21.12	21.06	22
10	16QAM	1	49	21.18	21.22	21.07	
10	16QAM	25	0	21.14	21.29	21.10	
10	16QAM	25	12	21.07	21.23	21.12	22
10	16QAM	25	25	21.20	21.25	21.16	
10	16QAM	50	0	21.16	21.07	21.07	
10	64QAM	1	0	21.20	21.08	21.05	
10	64QAM	1	25	21.10	21.13	21.06	22
10	64QAM	1	49	21.10	21.22	21.01	
10	64QAM	25	0	21.17	21.18	20.96	
10	64QAM	25	12	21.21	21.27	21.01	22
10	64QAM	25	25	21.12	21.29	21.02	
10	64QAM	50	0	21.08	21.23	21.09	
10	256QAM	1	0	18.97	18.91	18.91	
10	256QAM	1	25	18.94	19.02	18.99	20
10	256QAM	1	49	18.80	18.91	18.91	
10	256QAM	25	0	18.87	18.96	18.98	
10	256QAM	25	12	18.92	18.96	18.99	20
10	256QAM	25	25	18.93	18.83	18.95	
10	256QAM	50	0	18.92	18.95	18.96	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.16	21.27	21.21	
5	QPSK	1	12	21.22	21.27	21.16	22
5	QPSK	1	24	21.15	21.22	20.99	
5	QPSK	12	0	21.11	21.19	21.09	
5	QPSK	12	7	21.19	21.28	21.13	22
5	QPSK	12	13	21.11	21.27	21.17	
5	QPSK	25	0	21.15	21.16	21.08	
5	16QAM	1	0	21.15	20.98	20.98	
5	16QAM	1	12	21.14	21.07	21.11	22
5	16QAM	1	24	21.21	21.25	21.09	
5	16QAM	12	0	21.21	21.24	21.06	
5	16QAM	12	7	21.09	21.22	21.10	22
5	16QAM	12	13	21.20	21.27	21.16	
5	16QAM	25	0	21.04	21.20	21.01	
5	64QAM	1	0	21.15	21.06	21.09	
5	64QAM	1	12	21.16	21.14	21.12	22
5	64QAM	1	24	21.18	21.24	21.09	
5	64QAM	12	0	21.20	21.18	21.00	
5	64QAM	12	7	21.26	21.18	20.97	22
5	64QAM	12	13	21.25	21.29	21.09	
5	64QAM	25	0	21.15	21.09	21.14	
5	256QAM	1	0	18.96	18.87	18.90	
5	256QAM	1	12	18.87	18.95	18.97	20
5	256QAM	1	24	18.86	18.86	18.97	
5	256QAM	12	0	18.87	18.96	18.92	
5	256QAM	12	7	18.87	18.88	19.00	20
5	256QAM	12	13	18.98	18.84	18.96	
5	256QAM	25	0	18.94	18.97	18.96	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	21.19	21.20	21.20	
3	QPSK	1	8	21.30	21.34	21.13	22
3	QPSK	1	14	21.14	21.23	21.02	
3	QPSK	8	0	21.13	21.14	21.19	
3	QPSK	8	4	21.23	21.19	21.07	22
3	QPSK	8	7	21.12	21.21	21.17	
3	QPSK	15	0	21.22	21.13	20.95	
3	16QAM	1	0	21.05	21.15	21.01	
3	16QAM	1	8	21.09	21.21	21.18	22
3	16QAM	1	14	21.23	21.24	21.07	
3	16QAM	8	0	21.17	21.20	21.15	
3	16QAM	8	4	21.10	21.21	21.08	22
3	16QAM	8	7	21.21	21.25	21.19	
3	16QAM	15	0	21.21	21.19	21.10	
3	64QAM	1	0	21.21	21.08	21.06	
3	64QAM	1	8	21.02	21.13	21.05	22
3	64QAM	1	14	21.13	21.25	21.10	
3	64QAM	8	0	21.26	21.20	21.07	
3	64QAM	8	4	21.27	21.19	20.98	22
3	64QAM	8	7	21.05	21.22	21.06	
3	64QAM	15	0	21.12	21.13	21.18	
3	256QAM	1	0	18.96	18.88	18.93	
3	256QAM	1	8	18.87	18.95	18.90	20
3	256QAM	1	14	18.80	18.87	18.98	
3	256QAM	8	0	18.80	18.90	19.01	
3	256QAM	8	4	18.90	18.87	18.96	20
3	256QAM	8	7	18.86	18.80	18.91	
3	256QAM	15	0	18.94	18.94	18.91	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.07	21.15	21.22	
1.4	QPSK	1	3	21.21	21.29	21.16	
1.4	QPSK	1	5	21.12	21.33	20.99	22
1.4	QPSK	3	0	21.14	21.27	21.18	
1.4	QPSK	3	1	21.19	21.25	21.15	
1.4	QPSK	3	3	21.23	21.19	21.16	
1.4	QPSK	6	0	21.13	21.26	21.09	22
1.4	16QAM	1	0	21.14	21.25	21.09	
1.4	16QAM	1	3	21.18	21.09	21.06	22
1.4	16QAM	1	5	21.18	21.30	21.02	
1.4	16QAM	3	0	21.13	21.20	21.07	
1.4	16QAM	3	1	21.08	21.21	21.03	
1.4	16QAM	3	3	21.28	21.28	21.08	
1.4	16QAM	6	0	21.03	21.13	21.09	22
1.4	64QAM	1	0	21.11	21.11	21.09	
1.4	64QAM	1	3	21.06	21.08	21.05	
1.4	64QAM	1	5	21.04	21.15	21.05	22
1.4	64QAM	3	0	21.17	21.20	21.09	
1.4	64QAM	3	1	21.26	21.27	21.08	
1.4	64QAM	3	3	21.12	21.23	20.95	
1.4	64QAM	6	0	21.06	21.21	21.09	22
1.4	256QAM	1	0	18.87	18.94	18.91	
1.4	256QAM	1	3	18.94	18.99	18.97	
1.4	256QAM	1	5	18.82	18.92	18.88	20
1.4	256QAM	3	0	18.75	18.93	19.00	
1.4	256QAM	3	1	18.84	18.91	18.97	
1.4	256QAM	3	3	18.95	18.89	18.96	
1.4	256QAM	6	0	18.89	18.94	18.84	20

Band 25_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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.81	19.93	19.76	
20	QPSK	1	49	19.93	20.00	19.90	20.8
20	QPSK	1	99	19.90	19.97	19.80	
20	QPSK	50	0	19.88	19.91	19.85	
20	QPSK	50	24	19.90	19.98	19.87	20.8
20	QPSK	50	50	19.87	19.93	19.78	
20	QPSK	100	0	19.92	19.95	19.84	
20	16QAM	1	0	19.82	19.89	19.81	
20	16QAM	1	49	19.87	19.96	19.77	20.8
20	16QAM	1	99	19.84	19.93	19.89	
20	16QAM	50	0	19.79	19.87	19.75	
20	16QAM	50	24	19.90	19.89	19.83	20.8
20	16QAM	50	50	19.83	19.98	19.76	
20	16QAM	100	0	19.91	19.89	19.84	
20	64QAM	1	0	19.86	19.87	19.80	
20	64QAM	1	49	19.83	19.86	19.78	20.8
20	64QAM	1	99	19.89	19.87	19.79	
20	64QAM	50	0	19.89	19.90	19.77	
20	64QAM	50	24	19.85	19.92	19.76	20.8
20	64QAM	50	50	19.86	19.86	19.83	
20	64QAM	100	0	19.83	19.98	19.87	
20	256QAM	1	0	18.72	18.80	18.83	
20	256QAM	1	49	18.68	18.84	18.73	19.8
20	256QAM	1	99	18.75	18.84	18.76	
20	256QAM	50	0	18.67	18.75	18.78	
20	256QAM	50	24	18.79	18.74	18.81	19.8
20	256QAM	50	50	18.77	18.73	18.79	
20	256QAM	100	0	18.71	18.84	18.85	
Channel				26115	26340	26565	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.68	19.84	19.72	
15	QPSK	1	37	19.87	19.99	19.81	20.8
15	QPSK	1	74	19.82	19.83	19.71	
15	QPSK	36	0	19.82	19.92	19.73	
15	QPSK	36	20	19.89	19.97	19.75	20.8
15	QPSK	36	39	19.72	19.86	19.66	
15	QPSK	75	0	19.77	19.80	19.71	
15	16QAM	1	0	19.74	19.83	19.67	
15	16QAM	1	37	19.86	19.85	19.69	20.8
15	16QAM	1	74	19.79	19.91	19.85	
15	16QAM	36	0	19.64	19.85	19.68	
15	16QAM	36	20	19.83	19.81	19.78	20.8
15	16QAM	36	39	19.70	19.79	19.63	
15	16QAM	75	0	19.80	19.79	19.78	
15	64QAM	1	0	19.78	19.76	19.71	
15	64QAM	1	37	19.70	19.75	19.70	20.8
15	64QAM	1	74	19.76	19.82	19.64	
15	64QAM	36	0	19.79	19.76	19.70	
15	64QAM	36	20	19.79	19.89	19.71	20.8
15	64QAM	36	39	19.85	19.77	19.68	
15	64QAM	75	0	19.70	19.92	19.77	
15	256QAM	1	0	18.70	18.74	18.72	
15	256QAM	1	37	18.57	18.73	18.60	19.8
15	256QAM	1	74	18.66	18.71	18.74	
15	256QAM	36	0	18.66	18.64	18.65	
15	256QAM	36	20	18.70	18.63	18.80	19.8
15	256QAM	36	39	18.75	18.62	18.77	
15	256QAM	75	0	18.57	18.81	18.81	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.73	19.88	19.64	
10	QPSK	1	25	19.84	19.91	19.84	20.8
10	QPSK	1	49	19.88	19.86	19.72	
10	QPSK	25	0	19.89	19.79	19.80	
10	QPSK	25	12	19.82	19.84	19.80	20.8
10	QPSK	25	25	19.86	19.79	19.75	
10	QPSK	50	0	19.87	19.84	19.69	
10	16QAM	1	0	19.71	19.88	19.75	
10	16QAM	1	25	19.77	19.86	19.65	20.8
10	16QAM	1	49	19.73	19.83	19.82	
10	16QAM	25	0	19.64	19.81	19.61	
10	16QAM	25	12	19.86	19.75	19.79	20.8
10	16QAM	25	25	19.68	19.79	19.61	
10	16QAM	50	0	19.84	19.75	19.80	
10	64QAM	1	0	19.73	19.74	19.73	
10	64QAM	1	25	19.76	19.74	19.68	20.8
10	64QAM	1	49	19.77	19.80	19.69	
10	64QAM	25	0	19.86	19.76	19.65	
10	64QAM	25	12	19.71	19.90	19.61	20.8
10	64QAM	25	25	19.73	19.81	19.74	
10	64QAM	50	0	19.81	19.94	19.79	
10	256QAM	1	0	18.71	18.76	18.71	
10	256QAM	1	25	18.60	18.69	18.72	19.8
10	256QAM	1	49	18.69	18.75	18.63	
10	256QAM	25	0	18.66	18.69	18.72	
10	256QAM	25	12	18.74	18.71	18.79	19.8
10	256QAM	25	25	18.69	18.72	18.65	
10	256QAM	50	0	18.65	18.72	18.83	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.72	19.88	19.70	
5	QPSK	1	12	19.88	19.94	19.76	20.8
5	QPSK	1	24	19.85	19.92	19.75	
5	QPSK	12	0	19.84	19.86	19.76	
5	QPSK	12	7	19.89	19.88	19.77	20.8
5	QPSK	12	13	19.75	19.79	19.73	
5	QPSK	25	0	19.80	19.85	19.80	
5	16QAM	1	0	19.68	19.84	19.76	
5	16QAM	1	12	19.78	19.81	19.64	20.8
5	16QAM	1	24	19.83	19.91	19.77	
5	16QAM	12	0	19.75	19.73	19.66	
5	16QAM	12	7	19.79	19.75	19.72	20.8
5	16QAM	12	13	19.79	19.83	19.64	
5	16QAM	25	0	19.84	19.76	19.81	
5	64QAM	1	0	19.73	19.82	19.74	
5	64QAM	1	12	19.73	19.75	19.79	20.8
5	64QAM	1	24	19.69	19.75	19.66	
5	64QAM	12	0	19.78	19.77	19.73	
5	64QAM	12	7	19.77	19.90	19.74	20.8
5	64QAM	12	13	19.85	19.85	19.74	
5	64QAM	25	0	19.81	19.87	19.79	
5	256QAM	1	0	18.69	18.78	18.72	
5	256QAM	1	12	18.56	18.79	18.58	19.8
5	256QAM	1	24	18.74	18.71	18.68	
5	256QAM	12	0	18.52	18.61	18.63	
5	256QAM	12	7	18.64	18.68	18.66	19.8
5	256QAM	12	13	18.68	18.62	18.73	
5	256QAM	25	0	18.59	18.78	18.71	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.79	19.84	19.73	
3	QPSK	1	8	19.88	19.99	19.82	20.8
3	QPSK	1	14	19.88	19.98	19.66	
3	QPSK	8	0	19.77	19.86	19.70	
3	QPSK	8	4	19.78	19.97	19.79	20.8
3	QPSK	8	7	19.83	19.88	19.75	
3	QPSK	15	0	19.83	19.83	19.73	
3	16QAM	1	0	19.75	19.80	19.73	
3	16QAM	1	8	19.75	19.83	19.62	20.8
3	16QAM	1	14	19.83	19.87	19.78	
3	16QAM	8	0	19.73	19.79	19.71	
3	16QAM	8	4	19.80	19.87	19.80	20.8
3	16QAM	8	7	19.78	19.85	19.71	
3	16QAM	15	0	19.76	19.77	19.81	
3	64QAM	1	0	19.76	19.82	19.68	
3	64QAM	1	8	19.68	19.79	19.67	20.8
3	64QAM	1	14	19.73	19.85	19.65	
3	64QAM	8	0	19.77	19.76	19.64	
3	64QAM	8	4	19.71	19.83	19.71	20.8
3	64QAM	8	7	19.74	19.74	19.77	
3	64QAM	15	0	19.71	19.91	19.82	
3	256QAM	1	0	18.62	18.76	18.70	
3	256QAM	1	8	18.54	18.76	18.70	19.8
3	256QAM	1	14	18.61	18.70	18.63	
3	256QAM	8	0	18.56	18.60	18.75	
3	256QAM	8	4	18.67	18.67	18.77	19.8
3	256QAM	8	7	18.65	18.59	18.71	
3	256QAM	15	0	18.66	18.73	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.69	19.89	19.62	
1.4	QPSK	1	3	19.90	19.92	19.87	
1.4	QPSK	1	5	19.78	19.83	19.78	20.8
1.4	QPSK	3	0	19.78	19.84	19.81	
1.4	QPSK	3	1	19.84	19.97	19.78	
1.4	QPSK	3	3	19.75	19.89	19.72	
1.4	QPSK	6	0	19.80	19.92	19.73	20.8
1.4	16QAM	1	0	19.76	19.80	19.71	
1.4	16QAM	1	3	19.85	19.93	19.66	
1.4	16QAM	1	5	19.83	19.87	19.81	20.8
1.4	16QAM	3	0	19.70	19.82	19.60	
1.4	16QAM	3	1	19.80	19.83	19.78	
1.4	16QAM	3	3	19.69	19.73	19.64	
1.4	16QAM	6	0	19.88	19.76	19.71	20.8
1.4	64QAM	1	0	19.76	19.70	19.70	
1.4	64QAM	1	3	19.80	19.71	19.69	
1.4	64QAM	1	5	19.76	19.75	19.74	20.8
1.4	64QAM	3	0	19.83	19.79	19.66	
1.4	64QAM	3	1	19.72	19.76	19.70	
1.4	64QAM	3	3	19.76	19.73	19.75	
1.4	64QAM	6	0	19.80	19.92	19.85	20.8
1.4	256QAM	1	0	18.59	18.67	18.75	
1.4	256QAM	1	3	18.59	18.81	18.61	
1.4	256QAM	1	5	18.66	18.81	18.69	19.8
1.4	256QAM	3	0	18.59	18.61	18.77	
1.4	256QAM	3	1	18.78	18.65	18.77	
1.4	256QAM	3	3	18.62	18.62	18.67	
1.4	256QAM	6	0	18.63	18.82	18.71	19.8

Band 25_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.50	22.57	22.44	
20	QPSK	1	49	22.58	22.62	22.55	23
20	QPSK	1	99	22.44	22.48	22.48	
20	QPSK	50	0	22.45	22.52	22.49	
20	QPSK	50	24	22.55	22.61	22.53	23
20	QPSK	50	50	22.45	22.47	22.51	
20	QPSK	100	0	22.48	22.56	22.48	
20	16QAM	1	0	22.47	22.53	22.52	
20	16QAM	1	49	22.45	22.56	22.46	23
20	16QAM	1	99	22.43	22.57	22.44	
20	16QAM	50	0	21.72	21.69	21.65	
20	16QAM	50	24	21.79	21.76	21.66	22
20	16QAM	50	50	21.70	21.64	21.68	
20	16QAM	100	0	21.71	21.69	21.70	
20	64QAM	1	0	21.60	21.54	21.52	
20	64QAM	1	49	21.65	21.69	21.51	22
20	64QAM	1	99	21.59	21.63	21.57	
20	64QAM	50	0	20.70	20.66	20.65	
20	64QAM	50	24	20.74	20.73	20.66	21
20	64QAM	50	50	20.69	20.66	20.67	
20	64QAM	100	0	20.69	20.68	20.75	
20	256QAM	1	0	18.40	18.38	18.40	
20	256QAM	1	49	18.38	18.35	18.40	19
20	256QAM	1	99	18.30	18.43	18.35	
20	256QAM	50	0	18.33	18.39	18.44	
20	256QAM	50	24	18.32	18.31	18.39	19
20	256QAM	50	50	18.40	18.35	18.44	
20	256QAM	100	0	18.35	18.41	18.41	
Channel				26115	26340	26565	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.43	22.48	22.30	

Band 26(FCC)_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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.79	23.66	23.71	
15	QPSK	1	37	23.92	23.80	23.79	25
15	QPSK	1	74	23.89	23.70	23.64	
15	QPSK	36	0	22.71	22.68	22.65	
15	QPSK	36	20	22.88	22.82	22.80	24
15	QPSK	36	39	22.84	22.78	22.59	
15	QPSK	75	0	22.80	22.78	22.77	
15	16QAM	1	0	23.14	23.05	22.88	
15	16QAM	1	37	23.15	23.10	22.81	24
15	16QAM	1	74	23.00	22.80	23.08	
15	16QAM	36	0	21.75	21.69	21.62	
15	16QAM	36	20	21.86	21.81	21.72	23
15	16QAM	36	39	21.86	21.76	21.78	
15	16QAM	75	0	21.74	21.68	21.70	
15	64QAM	1	0	21.99	21.85	22.06	
15	64QAM	1	37	21.90	21.71	21.93	23
15	64QAM	1	74	21.91	21.70	22.04	
15	64QAM	36	0	20.60	20.67	20.68	
15	64QAM	36	20	20.79	20.80	20.81	22
15	64QAM	36	39	20.84	20.77	20.82	
15	64QAM	75	0	20.84	20.75	20.76	
15	256QAM	1	0	18.53	18.53	18.54	
15	256QAM	1	37	18.51	18.56	18.55	20
15	256QAM	1	74	18.47	18.61	18.53	
15	256QAM	36	0	18.60	18.60	18.53	
15	256QAM	36	20	18.61	18.53	18.60	20
15	256QAM	36	39	18.57	18.60	18.62	
15	256QAM	75	0	18.47	18.66	18.51	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.70	23.60	23.67	
10	QPSK	1	25	23.83	23.79	23.66	25
10	QPSK	1	49	23.88	23.60	23.54	
10	QPSK	25	0	22.60	22.57	22.58	
10	QPSK	25	12	22.81	22.77	22.73	24
10	QPSK	25	25	22.72	22.77	22.57	
10	QPSK	50	0	22.69	22.73	22.67	
10	QPSK	50	25	23.02	23.04	22.83	
10	16QAM	1	25	23.12	22.96	22.71	24
10	16QAM	1	49	22.87	22.67	23.00	
10	16QAM	25	0	21.81	21.66	21.60	
10	16QAM	25	12	21.75	21.76	21.59	23
10	16QAM	25	25	21.82	21.75	21.76	
10	16QAM	50	0	21.61	21.54	21.57	
10	64QAM	1	0	21.88	21.81	21.91	
10	64QAM	1	25	21.77	21.69	21.82	23
10	64QAM	1	49	21.84	21.58	21.96	
10	64QAM	25	0	20.47	20.53	20.65	
10	64QAM	25	12	20.74	20.72	20.80	22
10	64QAM	25	25	20.82	20.72	20.78	
10	64QAM	50	0	20.78	20.64	20.61	
10	256QAM	1	0	18.46	18.39	18.52	
10	256QAM	1	25	18.46	18.42	18.52	20
10	256QAM	1	49	18.42	18.48	18.41	
10	256QAM	25	0	18.52	18.53	18.46	
10	256QAM	25	12	18.59	18.40	18.50	20
10	256QAM	25	25	18.55	18.59	18.57	
10	256QAM	50	0	18.44	18.54	18.42	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.66	23.61	23.59	
5	QPSK	1	12	23.78	23.70	23.77	25
5	QPSK	1	24	23.78	23.58	23.62	
5	QPSK	12	0	22.66	22.57	22.63	
5	QPSK	12	7	22.75	22.68	22.68	24
5	QPSK	12	13	22.80	22.75	22.46	
5	QPSK	25	0	22.75	22.66	22.66	
5	16QAM	1	0	23.08	23.04	22.87	
5	16QAM	1	12	23.08	22.99	22.73	24
5	16QAM	1	24	22.93	22.67	22.99	
5	16QAM	12	0	21.74	21.68	21.58	
5	16QAM	12	7	21.77	21.72	21.65	23
5	16QAM	12	13	21.81	21.64	21.70	
5	16QAM	25	0	21.59	21.56	21.66	
5	64QAM	1	0	21.86	21.73	22.02	
5	64QAM	1	12	21.84	21.66	21.81	23
5	64QAM	1	24	21.83	21.55	22.02	
5	64QAM	12	0	20.45	20.62	20.61	
5	64QAM	12	7	20.74	20.76	20.78	22
5	64QAM	12	13	20.78	20.72	20.70	
5	64QAM	25	0	20.74	20.71	20.72	
5	256QAM	1	0	18.44	18.48	18.43	
5	256QAM	1	12	18.37	18.53	18.49	20
5	256QAM	1	24	18.39	18.51	18.39	
5	256QAM	12	0	18.48	18.48	18.41	
5	256QAM	12	7	18.49	18.50	18.54	20
5	256QAM	12	13	18.52	18.53	18.51	
5	256QAM	25	0	18.34	18.59	18.44	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.66	23.64	23.62	
3	QPSK	1	8	23.87	23.69	23.74	25
3	QPSK	1	14	23.74	23.56	23.55	
3	QPSK	8	0	22.56	22.62	22.51	
3	QPSK	8	4	22.79	22.72	22.71	24
3	QPSK	8	7	22.79	22.65	22.57	
3	QPSK	15	0	22.71	22.62	22.69	
3	16QAM	1	0	23.01	22.92	22.84	
3	16QAM	1	8	23.14	22.95	22.68	24
3	16QAM	1	14	22.91	22.75	23.06	
3	16QAM	8	0	21.71	21.65	21.59	
3	16QAM	8	4	21.84	21.78	21.68	23
3	16QAM	8	7	21.72	21.65	21.75	
3	16QAM	15	0	21.65	21.57	21.68	
3	64QAM	1	0	21.87	21.74	21.99	
3	64QAM	1	8	21.81	21.61	21.88	23
3	64QAM	1	14	21.79	21.59	22.02	
3	64QAM	8	0	20.48	20.60	20.65	
3	64QAM	8	4	20.72	20.69	20.67	22
3	64QAM	8	7	20.83	20.66	20.80	
3	64QAM	15	0	20.82	20.74	20.63	
3	256QAM	1	0	18.44	18.38	18.48	
3	256QAM	1	8	18.45	18.54	18.52	20
3	256QAM	1	14	18.37	18.47	18.41	
3	256QAM	8	0	18.58	18.56	18.39	
3	256QAM	8	4	18.54	18.49	18.59	20
3	256QAM	8	7	18.44	18.47	18.47	
3	256QAM	15	0	18.42	18.63	18.46	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.74	23.56	23.57	
1.4	QPSK	1	3	23.79	23.67	23.70	
1.4	QPSK	1	5	23.79	23.59	23.63	25
1.4	QPSK	3	0	23.69	23.51	23.54	
1.4	QPSK	3	1	23.70	23.65	23.66	
1.4	QPSK	3	3	23.76	23.45	23.57	
1.4	QPSK	6	0	22.68	22.73	22.66	24
1.4	16QAM	1	0	23.11	22.99	22.90	
1.4	16QAM	1	3	23.12	22.97	22.84	
1.4	16QAM	1	5	22.94	22.88	23.05	24
1.4	16QAM	3	0	23.08	22.85	22.73	
1.4	16QAM	3	1	22.98	22.96	22.84	
1.4	16QAM	3	3	22.86	22.79	22.97	
1.4	16QAM	6	0	21.82	21.58	21.68	23
1.4	64QAM	1	0	21.98	21.83	22.00	
1.4	64QAM	1	3	21.77	21.69	21.87	
1.4	64QAM	1	5	21.83	21.66	21.89	23
1.4	64QAM	3	0	21.87	21.72	21.92	
1.4	64QAM	3	1	21.68	21.80	21.82	
1.4	64QAM	3	3	21.74	21.62	21.84	
1.4	64QAM	6	0	20.74	20.60	20.68	22
1.4	256QAM	1	0	18.51	18.52	18.44	
1.4	256QAM	1	3	18.50	18.43	18.40	
1.4	256QAM	1	5	18.42	18.49	18.45	20
1.4	256QAM	3	0	18.47	18.51	18.44	
1.4	256QAM	3	1	18.47	18.39	18.53	
1.4	256QAM	3	3	18.42	18.45	18.58	
1.4	256QAM	6	0	18.38	18.51	18.46	20

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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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.84	23.80	23.61	
15	QPSK	1	37	23.88	23.82	23.75	24.8
15	QPSK	1	74	23.80	23.56	23.60	
15	QPSK	36	0	22.71	22.69	22.60	
15	QPSK	36	20	22.89	22.84	22.75	23.8
15	QPSK	36	39	22.78	22.74	22.70	
15	QPSK	75	0	22.83	22.74	22.68	
15	16QAM	1	0	22.79	22.70	22.64	
15	16QAM	1	37	22.67	22.65	22.60	23.8
15	16QAM	1	74	22.69	22.64	22.56	
15	16QAM	36	0	21.66	21.68	21.57	
15	16QAM	36	20	21.87	21.76	21.78	22.8
15	16QAM	36	39	21.82	21.75	21.76	
15	16QAM	75	0	21.88	21.68	21.64	
15	64QAM	1	0	21.90	21.96	21.83	
15	64QAM	1	37	21.96	21.67	21.77	22.8
15	64QAM	1	74	21.76	21.76	21.88	
15	64QAM	36	0	20.75	20.67	20.63	
15	64QAM	36	20	20.87	20.71	20.69	21.8
15	64QAM	36	39	20.88	20.70	20.75	
15	64QAM	75	0	20.82	20.75	20.80	
15	256QAM	1	0	18.58	18.49	18.50	
15	256QAM	1	37	18.49	18.57	18.53	19.8
15	256QAM	1	74	18.51	18.56	18.46	
15	256QAM	36	0	18.56	18.54	18.56	
15	256QAM	36	20	18.55	18.52	18.52	19.8
15	256QAM	36	39	18.61	18.58	18.55	
15	256QAM	75	0	18.55	18.55	18.51	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.71	23.72	23.51	
10	QPSK	1	25	23.81	23.78	23.71	24.8
10	QPSK	1	49	23.74	23.48	23.51	
10	QPSK	25	0	22.60	22.76	22.53	
10	QPSK	25	12	22.87	22.82	22.65	23.8
10	QPSK	25	25	22.65	22.64	22.61	
10	QPSK	50	0	22.70	22.62	22.57	
10	16QAM	1	0	22.76	22.62	22.50	
10	16QAM	1	25	22.60	22.64	22.47	23.8
10	16QAM	1	49	22.63	22.53	22.41	
10	16QAM	25	0	21.52	21.54	21.51	
10	16QAM	25	12	21.81	21.63	21.74	22.8
10	16QAM	25	25	21.72	21.68	21.75	
10	16QAM	50	0	21.74	21.58	21.57	
10	64QAM	1	0	21.83	21.95	21.71	
10	64QAM	1	25	21.86	21.65	21.66	22.8
10	64QAM	1	49	21.66	21.66	21.82	
10	64QAM	25	0	20.71	20.63	20.49	
10	64QAM	25	12	20.75	20.66	20.57	21.8
10	64QAM	25	25	20.79	20.56	20.74	
10	64QAM	50	0	20.83	20.74	20.70	
10	256QAM	1	0	18.47	18.34	18.46	
10	256QAM	1	25	18.43	18.47	18.44	19.8
10	256QAM	1	49	18.49	18.45	18.40	
10	256QAM	25	0	18.52	18.43	18.43	
10	256QAM	25	12	18.47	18.49	18.37	19.8
10	256QAM	25	25	18.49	18.49	18.52	
10	256QAM	50	0	18.52	18.51	18.45	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.79	23.77	23.59	
5	QPSK	1	12	23.82	23.73	23.63	24.8
5	QPSK	1	24	23.70	23.42	23.58	
5	QPSK	12	0	22.63	22.55	22.49	
5	QPSK	12	7	22.74	22.75	22.74	23.8
5	QPSK	12	13	22.65	22.65	22.59	
5	QPSK	25	0	22.72	22.63	22.62	
5	16QAM	1	0	22.65	22.58	22.57	
5	16QAM	1	12	22.66	22.56	22.50	23.8
5	16QAM	1	24	22.57	22.60	22.45	
5	16QAM	12	0	21.51	21.59	21.45	
5	16QAM	12	7	21.79	21.66	21.63	22.8
5	16QAM	12	13	21.78	21.66	21.65	
5	16QAM	25	0	21.73	21.60	21.55	
5	64QAM	1	0	21.88	21.93	21.78	
5	64QAM	1	12	21.85	21.52	21.72	22.8
5	64QAM	1	24	21.71	21.62	21.77	
5	64QAM	12	0	20.74	20.62	20.50	
5	64QAM	12	7	20.82	20.65	20.57	21.8
5	64QAM	12	13	20.76	20.55	20.63	
5	64QAM	25	0	20.84	20.80	20.77	
5	256QAM	1	0	18.51	18.37	18.46	
5	256QAM	1	12	18.42	18.50	18.52	19.8
5	256QAM	1	24	18.42	18.45	18.37	
5	256QAM	12	0	18.45	18.45	18.49	
5	256QAM	12	7	18.51	18.47	18.45	19.8
5	256QAM	12	13	18.55	18.54	18.49	
5	256QAM	25	0	18.47	18.41	18.36	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.69	23.67	23.46	
3	QPSK	1	8	23.77	23.77	23.67	24.8
3	QPSK	1	14	23.74	23.41	23.54	
3	QPSK	8	0	22.59	22.67	22.56	
3	QPSK	8	4	22.74	22.83	22.70	23.8
3	QPSK	8	7	22.64	22.68	22.69	
3	QPSK	15	0	22.80	22.62	22.63	
3	16QAM	1	0	22.72	22.67	22.62	
3	16QAM	1	8	22.63	22.53	22.50	23.8
3	16QAM	1	14	22.54	22.52	22.55	
3	16QAM	8	0	21.56	21.62	21.54	
3	16QAM	8	4	21.83	21.63	21.74	22.8
3	16QAM	8	7	21.71	21.64	21.63	
3	16QAM	15	0	21.83	21.66	21.57	
3	64QAM	1	0	21.76	21.88	21.73	
3	64QAM	1	8	21.94	21.60	21.70	22.8
3	64QAM	1	14	21.74	21.63	21.85	
3	64QAM	8	0	20.74	20.53	20.62	
3	64QAM	8	4	20.80	20.61	20.66	21.8
3	64QAM	8	7	20.80	20.58	20.74	
3	64QAM	15	0	20.78	20.81	20.68	
3	256QAM	1	0	18.45	18.45	18.36	
3	256QAM	1	8	18.40	18.49	18.52	19.8
3	256QAM	1	14	18.38	18.52	18.39	
3	256QAM	8	0	18.47	18.53	18.52	
3	256QAM	8	4	18.54	18.42	18.38	19.8
3	256QAM	8	7	18.47	18.52	18.49	
3	256QAM	15	0	18.46	18.42	18.37	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.79	23.78	23.54	
1.4	QPSK	1	3	23.75	23.69	23.64	
1.4	QPSK	1	5	23.75	23.46	23.57	24.8
1.4	QPSK	3	0	23.71	23.77	23.46	
1.4	QPSK	3	1	23.70	23.68	23.53	
1.4	QPSK	3	3	23.72	23.39	23.53	
1.4	QPSK	6	0	22.74	22.64	22.65	23.8
1.4	16QAM	1	0	22.70	22.64	22.56	
1.4	16QAM	1	3	22.61	22.59	22.52	
1.4	16QAM	1	5	22.58	22.63	22.47	23.8
1.4	16QAM	3	0	22.69	22.53	22.52	
1.4	16QAM	3	1	22.52	22.53	22.43	
1.4	16QAM	3	3	22.50	22.59	22.35	
1.4	16QAM	6	0	21.79	21.65	21.55	22.8
1.4	64QAM	1	0	21.80	21.95	21.80	
1.4	64QAM	1	3	21.88	21.58	21.65	
1.4	64QAM	1	5	21.67	21.61	21.82	22.8
1.4	64QAM	3	0	21.75	21.93	21.74	
1.4	64QAM	3	1	21.74	21.49	21.50	
1.4	64QAM	3	3	21.58	21.52	21.77	
1.4	64QAM	6	0	20.85	20.74	20.67	21.8
1.4	256QAM	1	0	18.48	18.46	18.49	
1.4	256QAM	1	3	18.39	18.51	18.44	
1.4	256QAM	1	5	18.50	18.48	18.34	19.8
1.4	256QAM	3	0	18.54	18.47	18.41	
1.4	256QAM	3	1	18.41	18.38	18.42	
1.4	256QAM	3	3	18.53	18.57	18.54	
1.4	256QAM	6	0	18.52	18.47	18.36	19.8

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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)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.33		
10	QPSK	1	25		22.35		22.8
10	QPSK	1	49		22.25		
10	QPSK	25	0		22.29		
10	QPSK	25	12		22.32		22.8
10	QPSK	25	25		22.25		
10	QPSK	50	0		22.31		
10	16QAM	1	0		22.22		
10	16QAM	1	25		22.28		22.8
10	16QAM	1	49		22.31		
10	16QAM	25	0		22.30		
10	16QAM	25	12		22.28		22.8
10	16QAM	25	25		22.31		
10	16QAM	50	0		22.23		
10	64QAM	1	0		22.24		
10	64QAM	1	25		22.20		22.8
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.44		
10	64QAM	25	12		21.50		21.8
10	64QAM	25	25		21.42		
10	64QAM	50	0		21.32		
10	256QAM	1	0		19.30		
10	256QAM	1	25		19.38		19.8
10	256QAM	1	49		19.29		
10	256QAM	25	0		19.26		
10	256QAM	25	12		19.27		19.8
10	256QAM	25	25		19.25		
10	256QAM	50	0		19.26		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.24	22.23	22.30	
5	QPSK	1	12	22.31	22.27	22.25	22.8
5	QPSK	1	24	22.18	22.23	22.17	
5	QPSK	12	0	22.19	22.16	22.25	
5	QPSK	12	7	22.21	22.21	22.30	22.8
5	QPSK	12	13	22.18	22.24	22.15	
5	QPSK	25	0	22.21	22.16	22.22	
5	16QAM	1	0	22.11	22.10	22.18	
5	16QAM	1	12	22.20	22.27	22.14	22.8
5	16QAM	1	24	22.19	22.26	22.24	
5	16QAM	12	0	22.29	22.19	22.28	
5	16QAM	12	7	22.16	22.19	22.14	22.8
5	16QAM	12	13	22.28	22.27	22.17	
5	16QAM	25	0	22.13	22.14	22.17	
5	64QAM	1	0	22.15	22.23	22.15	
5	64QAM	1	12	22.10	22.17	22.18	22.8
5	64QAM	1	24	22.22	22.17	22.21	
5	64QAM	12	0	21.40	21.36	21.41	
5	64QAM	12	7	21.49	21.45	21.40	21.8
5	64QAM	12	13	21.35	21.38	21.31	
5	64QAM	25	0	21.31	21.21	21.29	
5	256QAM	1	0	19.17	19.20	19.15	
5	256QAM	1	12	19.36	19.31	19.34	19.8
5	256QAM	1	24	19.23	19.26	19.18	
5	256QAM	12	0	19.25	19.14	19.23	
5	256QAM	12	7	19.23	19.19	19.17	19.8
5	256QAM	12	13	19.16	19.23	19.14	
5	256QAM	25	0	19.12	19.24	19.25	

Band 30_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)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		20.92		
10	QPSK	1	25		21.02		21.3
10	QPSK	1	49		20.92		
10	QPSK	25	0		20.91		
10	QPSK	25	12		20.92		21.3
10	QPSK	25	25		20.87		
10	QPSK	50	0		20.90		
10	16QAM	1	0		20.94		
10	16QAM	1	25		20.88		21.3
10	16QAM	1	49		20.95		
10	16QAM	25	0		20.99		
10	16QAM	25	12		20.93		21.3
10	16QAM	25	25		20.94		
10	16QAM	50	0		20.96		
10	64QAM	1	0		20.99		
10	64QAM	1	25		20.96		21.3
10	64QAM	1	49		20.88		
10	64QAM	25	0		20.52		
10	64QAM	25	12		20.57		20.8
10	64QAM	25	25		20.55		
10	64QAM	50	0		20.57		
10	256QAM	1	0		18.41		
10	256QAM	1	25		18.43		18.8
10	256QAM	1	49		18.45		
10	256QAM	25	0		18.39		
10	256QAM	25	12		18.46		18.8
10	256QAM	25	25		18.44		
10	256QAM	50	0		18.46		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.79	20.77	20.90	
5	QPSK	1	12	20.91	20.89	20.87	21.3
5	QPSK	1	24	20.88	20.90	20.90	
5	QPSK	12	0	20.84	20.90	20.76	
5	QPSK	12	7	20.85	20.78	20.90	21.3
5	QPSK	12	13	20.80	20.83	20.86	
5	QPSK	25	0	20.76	20.78	20.87	
5	16QAM	1	0	20.80	20.84	20.82	
5	16QAM	1	12	20.78	20.74	20.73	21.3
5	16QAM	1	24	20.81	20.93	20.85	
5	16QAM	12	0	20.97	20.94	20.93	
5	16QAM	12	7	20.84	20.86	20.83	21.3
5	16QAM	12

Band 30_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		19.44		
10	QPSK	1	25		19.55		20.8
10	QPSK	1	49		19.49		
10	QPSK	25	0		19.40		
10	QPSK	25	12		19.53		20.8
10	QPSK	25	25		19.50		
10	QPSK	50	0		19.45		
10	16QAM	1	0		19.46		
10	16QAM	1	25		19.44		20.8
10	16QAM	1	49		19.49		
10	16QAM	25	0		19.51		
10	16QAM	25	12		19.47		20.8
10	16QAM	25	25		19.49		
10	16QAM	50	0		19.46		
10	64QAM	1	0		19.50		
10	64QAM	1	25		19.51		20.8
10	64QAM	1	49		19.48		
10	64QAM	25	0		19.48		
10	64QAM	25	12		19.49		20.8
10	64QAM	25	25		19.46		
10	64QAM	50	0		19.44		
10	256QAM	1	0		18.20		
10	256QAM	1	25		18.06		18.8
10	256QAM	1	49		18.13		
10	256QAM	25	0		17.70		
10	256QAM	25	12		17.64		18.8
10	256QAM	25	25		17.60		
10	256QAM	50	0		17.57		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.42	19.36	19.30	20.8
5	QPSK	1	12	19.42	19.50	19.53	
5	QPSK	1	24	19.48	19.44	19.39	
5	QPSK	12	0	19.28	19.37	19.38	
5	QPSK	12	7	19.50	19.38	19.40	20.8
5	QPSK	12	13	19.48	19.49	19.41	
5	QPSK	25	0	19.32	19.44	19.42	
5	16QAM	1	0	19.44	19.34	19.38	
5	16QAM	1	12	19.31	19.42	19.32	20.8
5	16QAM	1	24	19.34	19.38	19.35	
5	16QAM	12	0	19.43	19.37	19.47	
5	16QAM	12	7	19.38	19.37	19.34	20.8
5	16QAM	12	13	19.42	19.34	19.47	
5	16QAM	25	0	19.32	19.37	19.45	
5	64QAM	1	0	19.43	19.44	19.45	
5	64QAM	1	12	19.49	19.44	19.43	20.8
5	64QAM	1	24	19.36	19.44	19.43	
5	64QAM	12	0	19.45	19.44	19.33	
5	64QAM	12	7	19.39	19.34	19.41	20.8
5	64QAM	12	13	19.41	19.39	19.43	
5	64QAM	25	0	19.31	19.32	19.30	
5	256QAM	1	0	18.06	18.17	18.05	
5	256QAM	1	12	18.00	18.00	18.00	18.8
5	256QAM	1	24	17.99	18.03	17.98	
5	256QAM	12	0	17.58	17.66	17.59	
5	256QAM	12	7	17.59	17.51	17.55	18.8
5	256QAM	12	13	17.55	17.53	17.46	
5	256QAM	25	0	17.47	17.44	17.45	

Band 30_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		21.20		
10	QPSK	1	25		21.22		22.3
10	QPSK	1	49		21.07		
10	QPSK	25	0		21.08		
10	QPSK	25	12		21.20		22.3
10	QPSK	25	25		21.08		
10	QPSK	50	0		21.12		
10	16QAM	1	0		21.14		
10	16QAM	1	25		21.11		22.3
10	16QAM	1	49		21.12		
10	16QAM	25	0		21.11		
10	16QAM	25	12		21.15		22.3
10	16QAM	25	25		21.16		
10	16QAM	50	0		21.12		
10	64QAM	1	0		21.16		
10	64QAM	1	25		21.15		22.3
10	64QAM	1	49		21.18		
10	64QAM	25	0		20.50		
10	64QAM	25	12		20.35		21.3
10	64QAM	25	25		20.45		
10	64QAM	50	0		20.39		
10	256QAM	1	0		18.55		
10	256QAM	1	25		18.49		19.3
10	256QAM	1	49		18.52		
10	256QAM	25	0		18.30		
10	256QAM	25	12		18.27		19.3
10	256QAM	25	25		18.21		
10	256QAM	50	0		18.25		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	21.10	21.18	21.07	22.3
5	QPSK	1	12	21.14	21.11	21.17	
5	QPSK	1	24	20.92	20.95	20.95	
5	QPSK	12	0	21.02	21.06	21.06	
5	QPSK	12	7	21.09	21.09	21.11	22.3
5	QPSK	12	13	20.94	21.07	21.01	
5	QPSK	25	0	21.06	21.10	21.01	
5	16QAM	1	0	21.11	21.00	21.05	
5	16QAM	1	12	20.98	20.97	21.05	22.3
5	16QAM	1	24	21.03	20.98	20.99	
5	16QAM	12	0	21.08	20.96	20.96	
5	16QAM	12	7	21.13	21.08	21.06	22.3
5	16QAM	12	13	21.09	21.15	21.11	
5	16QAM	25	0	21.01	21.02	21.00	
5	64QAM	1	0	21.04	21.14	21.09	
5	64QAM	1	12	21.07	21.05	21.11	22.3
5	64QAM	1	24	21.07	21.14	21.05	
5	64QAM	12	0	20.34	20.43	20.25	
5	64QAM	12	7	20.29	20.26	20.23	21.3
5	64QAM	12	13	20.19	20.40	20.40	
5	64QAM	25	0	20.32	20.38	20.13	
5	256QAM	1	0	18.45	18.52	18.36	
5	256QAM	1	12	18.21	18.36	18.25	19.3
5	256QAM	1	24	18.42	18.42	18.43	
5	256QAM	12	0	18.13	18.19	18.13	
5	256QAM	12	7	18.15	18.26	18.14	19.3
5	256QAM	12	13	17.97	18.17	18.03	
5	256QAM	25	0	18.14	18.11	18.09	

Band 66_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.69	22.67	22.59	
20	QPSK	1	49	22.75	22.80	22.73	23.5
20	QPSK	1	99	22.65	22.67	22.67	
20	QPSK	50	0	22.72	22.72	22.67	
20	QPSK	50	24	22.73	22.77	22.70	23.5
20	QPSK	50	50	22.63	22.76	22.59	
20	QPSK	100	0	22.63	22.75	22.72	
20	16QAM	1	0	22.72	22.72	22.60	
20	16QAM	1	49	22.66	22.67	22.69	23.5
20	16QAM	1	99	22.60	22.69	22.58	
20	16QAM	50	0	22.20	22.25	22.40	
20	16QAM	50	24	22.36	22.33	22.31	23
20	16QAM	50	50	22.13	22.21	22.25	
20	16QAM	100	0	22.26	22.26	22.19	
20	64QAM	1	0	22.23	22.31	22.20	
20	64QAM	1	49	22.03	22.17	22.10	23
20	64QAM	1	99	22.24	22.19	22.16	
20	64QAM	50	0	21.23	21.34	21.21	
20	64QAM	50	24	21.24	21.32	21.20	22
20	64QAM	50	50	21.09	21.29	21.19	
20	64QAM	100	0	21.26	21.31	21.22	
20	256QAM	1	0	19.21	19.25	19.07	
20	256QAM	1	49	19.13	19.15	19.07	20
20	256QAM	1	99	19.10	19.23	19.07	
20	256QAM	50	0	19.11	19.13	19.08	
20	256QAM	50	24	19.22	19.16	19.21	
20	256QAM	50	50	19.12	19.27	19.21	20
20	256QAM	100	0	19.19	19.26	19.09	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.63	22.54	22.58	
15	QPSK	1	37	22.63	22.70	22.61	23.5
15	QPSK	1	74	22.59	22.54	22.63	
15	QPSK	36	0	22.70	22.72	22.59	
15	QPSK	36	20	22.71	22.76	22.58	23.5
15	QPSK	36	39	22.59	22.63	22.53	
15	QPSK	75	0	22.57	22.60	22.70	
15	QPSK	75	39	22.59	22.58	22.53	
15	16QAM	1	37	22.65	22.61	22.65	23.5
15	16QAM	1	74	22.56	22.58	22.48	
15	16QAM	36	0	22.09	22.22	22.32	
15	16QAM	36	20	22.24	22.25	22.22	23
15	16QAM	36	39	22.04	22.22	22.21	
15	16QAM	75	0	22.11	22.22	22.16	
15	64QAM	1	0	22.09	22.21	22.08	
15	64QAM	1	37	21.93	22.12	22.01	23
15	64QAM	1	74	22.23	22.17	22.05	
15	64QAM	36	0	21.21	21.31	21.07	
15	64QAM	36	20	21.11	21.23	21.06	22
15	64QAM	36	39	21.07	21.16	21.08	
15	64QAM	75	0	21.12	21.12	21.20	
15	256QAM	1	0	19.15	19.21	19.00	
15	256QAM	1	37	19.01	19.05	19.00	20
15	256QAM	1	74	18.97	19.10	18.93	
15	256QAM	36	0	19.10	19.08	19.04	
15	256QAM	36	20	19.20	19.05	19.10	20
15	256QAM	36	39	19.03	19.26	19.10	
15	256QAM	75	0	19.10	19.11	19.05	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.63	22.53	22.48	
10	QPSK	1	25	22.73	22.69	22.61	23.5
10	QPSK	1	49	22.54	22.54	22.52	
10	QPSK	25	0	22.63	22.58	22.60	
10	QPSK	25	12	22.62	22.70	22.69	23.5
10	QPSK	25	25	22.62	22.63	22.51	
10	QPSK	50	0	22.53	22.65	22.62	
10	16QAM	1	0	22.65	22.57	22.53	
10	16QAM	1	25	22.60	22.50	22.68	23.5
10	16QAM	1	49	22.46	22.60	22.50	
10	16QAM	25	0	22.11	22.16	22.38	
10	16QAM	25	12	22.29	22.27	22.24	23
10	16QAM	25	25	22.12	22.17	22.20	
10	16QAM	50	0	22.23	22.16	22.05	
10	64QAM	1	0	22.15	22.16	22.09	
10	64QAM	1	25	21.96	22.07	21.96	23
10	64QAM	1	49	22.21	22.17	22.03	
10	64QAM	25	0	21.21	21.22	21.13	
10	64QAM	25	12	21.13	21.20	21.07	22
10	64QAM	25	25	21.02	21.22	21.12	
10	64QAM	50	0	21.17	21.14	21.12	
10	256QAM	1	0	19.06	19.18	18.93	
10	256QAM	1	25	19.05	19.02	19.03	20
10	256QAM	1	49	18.97	19.15	18.96	
10	256QAM	25	0	19.05	19.04	18.94	
10	256QAM	25	12	19.21	19.08	19.08	20
10	256QAM	25	25	19.06	19.15	19.12	
10	256QAM	50	0	19.11	19.23	19.02	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.60	22.63	22.44	
5	QPSK	1	12	22.69	22.72	22.65	23.5
5	QPSK	1	24	22.59	22.64	22.59	
5	QPSK	12	0	22.62	22.69	22.60	
5	QPSK	12	7	22.67	22.68	22.61	23.5
5	QPSK	12	13	22.54	22.61	22.52	
5	QPSK	25	0	22.49	22.69	22.65	
5	16QAM	1	0	22.61	22.59	22.56	
5	16QAM	1	12	22.52	22.51	22.60	23.5
5	16QAM	1	24	22.53	22.60	22.51	
5	16QAM	12	0	22.14	22.11	22.32	
5	16QAM	12	7	22.28	22.23	22.22	23
5	16QAM	12	13	21.98	22.19	22.12	
5	16QAM	25	0	22.20	22.22	22.14	
5	64QAM	1	0	22.11	22.29	22.06	
5	64QAM	1	12	21.93	22.11	22.07	23
5	64QAM	1	24	22.10	22.13	22.07	
5	64QAM	12	0	21.21	21.31	21.08	
5	64QAM	12	7	21.15	21.19	21.15	22
5	64QAM	12	13	20.96	21.25	21.10	
5	64QAM	25	0	21.16	21.15	21.17	
5	256QAM	1	0	19.17	19.21	18.96	
5	256QAM	1	12	18.99	19.14	19.02	20
5	256QAM	1	24	19.01	19.15	19.03	
5	256QAM	12	0	18.97	19.12	18.94	
5	256QAM	12	7	19.07	19.08	19.16	20
5	256QAM	12	13	19.07	19.17	19.15	
5	256QAM	25	0	19.12	19.20	19.00	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.68	22.64	22.44	
3	QPSK	1	8	22.69	22.78	22.72	23.5
3	QPSK	1	14	22.64	22.55	22.55	
3	QPSK	8	0	22.66	22.58	22.58	
3	QPSK	8	4	22.59	22.76	22.58	23.5
3	QPSK	8	7	22.50	22.63	22.55	
3	QPSK	15	0	22.48	22.71	22.69	
3	16QAM	1	0	22.62	22.69	22.58	
3	16QAM	1	8	22.51	22.64	22.66	23.5
3	16QAM	1	14	22.45	22.63	22.45	
3	16QAM	8	0	22.06	22.24	22.29	
3	16QAM	8	4	22.23	22.19	22.21	23
3	16QAM	8	7	22.02	22.14	22.13	
3	16QAM	15	0	22.25	22.24	22.05	
3	64QAM	1	0	22.17	22.17	22.19	
3	64QAM	1	8	21.88	22.13	22.07	23
3	64QAM	1	14	22.20	22.12	21.99	
3	64QAM	8	0	21.19	21.24	21.15	
3	64QAM	8	4	21.16	21.30	21.12	22
3	64QAM	8	7	20.99	21.23	21.16	
3	64QAM	15	0	21.11	21.17	21.09	
3	256QAM	1	0	19.09	19.16	18.93	
3	256QAM	1	8	19.09	19.13	18.97	20
3	256QAM	1	14	19.00	19.10	18.99	
3	256QAM	8	0	18.99	19.11	18.99	
3	256QAM	8	4	19.14	19.14	19.07	20
3	256QAM	8	7	19.10	19.18	19.12	
3	256QAM	15	0	19.17	19.25	18.95	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.64	22.52	22.58	
1.4	QPSK	1	3	22.71	22.76	22.65	
1.4	QPSK	1	5	22.54	22.61	22.55	23.5
1.4	QPSK	3	0	22.57	22.55	22.55	
1.4	QPSK	3	1	22.62	22.67	22.60	
1.4	QPSK	3	3	22.59	22.55	22.64	
1.4	QPSK	6	0	22.59	22.57	22.60	23.5
1.4	16QAM	1	0	22.58	22.67	22.62	
1.4	16QAM	1	3	22.51	22.71	22.52	23.5
1.4	16QAM	1	5	22.52	22.65	22.71	
1.4	16QAM	3	0	22.63	22.59	22.59	
1.4	16QAM	3	1	22.57	22.59	22.54	
1.4	16QAM	3	3	22.51	22.54	22.51	
1.4	16QAM	6	0	22.25	22.16	22.12	23
1.4	64QAM	1	0	22.16	22.21	22.17	
1.4	64QAM	1	3	21.96	22.04	22.00	
1.4	64QAM	1	5	22.21	22.14	22.09	23
1.4	64QAM	3	0	22.13	22.14	22.09	
1.4	64QAM	3	1	21.90	21.98	21.86	
1.4	64QAM	3	3	22.17	22.04	22.08	
1.4	64QAM	6	0	21.20	21.16	21.15	22
1.4	256QAM	1	0	19.12	19.10	18.95	
1.4	256QAM	1	3	19.11	19.01	19.03	
1.4	256QAM	1	5	19.04	19.14	19.05	20
1.4	256QAM	3	0	19.07	19.12	19.02	
1.4	256QAM	3	1	19.11	19.08	19.11	
1.4	256QAM	3	3	19.01	19.25	19.07	
1.4	256QAM	6	0	19.12	19.17	19.05	20

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.12	22.33	22.25	
20	QPSK	1	49	22.25	22.38	22.30	22.8
20	QPSK	1	99	22.20	22.29	22.27	
20	QPSK	50	0	22.10	22.28	22.28	
20	QPSK	50	24	22.17	22.30	22.29	22.8
20	QPSK	50	50	22.15	22.28	22.27	
20	QPSK	100	0	22.22	22.28	22.15	
20	16QAM	1	0	22.22	22.26	22.25	
20	16QAM	1	49	22.12	22.28	22.15	22.8
20	16QAM	1	99	22.14	22.30	22.19	
20	16QAM	50	0	22.14	21.99	22.14	
20	16QAM	50	24	22.07	22.16	22.09	22.8
20	16QAM	50	50	22.19	22.04	22.02	
20	16QAM	100	0	22.03	22.14	22.05	
20	64QAM	1	0	22.02	22.14	22.06	
20	64QAM	1	49	22.05	21.98	21.88	22.8
20	64QAM	1	99	21.89	22.00	21.92	
20	64QAM	50	0	21.29	20.99	21.14	
20	64QAM	50	24	21.07	21.19	21.13	21.8
20	64QAM	50	50	21.08	21.01	21.09	
20	64QAM	100	0	21.16	21.09	21.04	
20	256QAM	1	0	19.27	19.24	19.18	
20	256QAM	1	49	19.19	19.17	19.16	19.8
20	256QAM	1	99	19.14	19.17	19.15	
20	256QAM	50	0	19.16	19.23	19.07	
20	256QAM	50	24	19.27	19.24	19.20	19.8
20	256QAM	50	50	19.19	19.19	19.07	
20	256QAM	100	0	19.24	19.16	19.11	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.06	22.19	22.24	
15	QPSK	1	37	22.17	22.26	22.22	22.8
15	QPSK	1	74	22.19	22.19	22.25	
15	QPSK	36	0	22.06	22.20	22.22	
15	QPSK	36	20	22.05	22.19	22.20	22.8
15	QPSK	36	39	22.12	22.27	22.19	
15	QPSK	75	0	22.18	22.27	22.13	
15	16QAM	1	0	22.20	22.25	22.14	
15	16QAM	1	37	22.06	22.24	22.14	22.8
15	16QAM	1	74	22.01	22.19	22.05	
15	16QAM	36	0	21.86	22.12	22.07	
15	16QAM	36	20	22.12	21.97	22.06	22.8
15	16QAM	36	39	21.96	22.07	21.99	
15	16QAM	75	0	22.03	21.90	21.91	
15	64QAM	1	0	21.99	21.99	22.04	
15	64QAM	1	37	21.95	21.92	21.80	22.8
15	64QAM	1	74	21.87	21.74	21.77	
15	64QAM	36	0	20.93	21.28	21.03	
15	64QAM	36	20	21.06	20.97	21.00	21.8
15	64QAM	36	39	20.86	21.01	20.95	
15	64QAM	75	0	20.96	21.06	20.93	
15	256QAM	1	0	19.12	19.13	19.04	
15	256QAM	1	37	19.08	19.05	19.12	19.8
15	256QAM	1	74	19.03	19.06	19.11	
15	256QAM	36	0	19.11	19.18	18.97	
15	256QAM	36	20	19.17	19.20	19.19	19.8
15	256QAM	36	39	19.14	19.09	18.95	
15	256QAM	75	0	19.04	19.11	19.06	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.07	22.20	22.11	
10	QPSK	1	25	22.22	22.30	22.24	22.8
10	QPSK	1	49	22.06	22.23	22.17	
10	QPSK	25	0	22.04	22.26	22.13	
10	QPSK	25	12	22.02	22.15	22.24	22.8
10	QPSK	25	25	22.01	22.15	22.12	
10	QPSK	50	0	22.12	22.16	22.12	
10	16QAM	1	0	22.11	22.24	22.11	
10	16QAM	1	25	22.01	22.13	22.13	22.8
10	16QAM	1	49	22.12	22.21	22.05	
10	16QAM	25	0	21.93	22.08	22.02	
10	16QAM	25	12	22.15	21.92	21.96	22.8
10	16QAM	25	25	21.98	22.10	22.00	
10	16QAM	50	0	22.01	21.91	21.95	
10	64QAM	1	0	22.07	22.01	21.94	
10	64QAM	1	25	21.88	21.91	21.77	22.8
10	64QAM	1	49	21.86	21.84	21.87	
10	64QAM	25	0	20.90	21.15	21.05	
10	64QAM	25	12	21.13	20.94	21.01	21.8
10	64QAM	25	25	20.91	21.07	21.08	
10	64QAM	50	0	20.94	21.05	20.91	
10	256QAM	1	0	19.23	19.12	19.17	
10	256QAM	1	25	19.06	19.04	19.07	19.8
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	19.19	19.01	19.01	
10	256QAM	25	12	19.13	19.12	19.09	19.8
10	256QAM	25	25	19.16	19.06	18.96	
10	256QAM	50	0	19.11	19.18	19.08	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.11	22.25	22.23	
5	QPSK	1	12	22.20	22.34	22.22	22.8
5	QPSK	1	24	22.11	22.22	22.21	
5	QPSK	12	0	22.07	22.17	22.19	
5	QPSK	12	7	22.08	22.18	22.20	22.8
5	QPSK	12	13	22.10	22.27	22.13	
5	QPSK	25	0	22.20	22.14	22.01	
5	16QAM	1	0	22.21	22.18	22.24	
5	16QAM	1	12	22.09	22.14	22.11	22.8
5	16QAM	1	24	22.13	22.22	22.15	
5	16QAM	12	0	21.87	22.05	22.08	
5	16QAM	12	7	22.03	21.96	22.07	22.8
5	16QAM	12	13	21.97	22.06	21.90	
5	16QAM	25	0	22

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.80	19.82	19.86	20.3
20	QPSK	1	49	19.84	19.92	19.88	
20	QPSK	1	99	19.83	19.80	19.77	
20	QPSK	50	0	19.77	19.83	19.88	
20	QPSK	50	24	19.80	19.90	19.87	
20	QPSK	50	50	19.74	19.83	19.77	
20	QPSK	100	0	19.78	19.86	19.84	
20	16QAM	1	0	19.72	19.74	19.71	
20	16QAM	1	49	19.82	19.79	19.85	
20	16QAM	1	99	19.76	19.65	19.75	
20	16QAM	50	0	19.72	19.71	19.73	
20	16QAM	50	24	19.67	19.78	19.81	
20	16QAM	50	50	19.73	19.77	19.65	
20	16QAM	100	0	19.74	19.77	19.75	
20	64QAM	1	0	19.78	19.74	19.75	
20	64QAM	1	49	19.75	19.89	19.85	
20	64QAM	1	99	19.72	19.74	19.72	
20	64QAM	50	0	19.66	19.74	19.81	
20	64QAM	50	24	19.65	19.84	19.72	
20	64QAM	50	50	19.62	19.79	19.64	
20	64QAM	100	0	19.73	19.83	19.74	
20	256QAM	1	0	19.10	19.21	19.14	
20	256QAM	1	49	19.16	19.18	19.18	19.8
20	256QAM	1	99	19.11	19.18	19.19	
20	256QAM	50	0	19.21	19.22	19.15	
20	256QAM	50	24	19.21	19.16	19.11	
20	256QAM	50	50	19.18	19.15	19.10	
20	256QAM	100	0	19.23	19.15	19.21	
Channel				132447	132322	132197	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.76	19.70	19.84	20.3
15	QPSK	1	37	19.70	19.81	19.78	
15	QPSK	1	74	19.80	19.68	19.75	
15	QPSK	36	0	19.72	19.73	19.73	
15	QPSK	36	20	19.69	19.87	19.72	
15	QPSK	36	39	19.71	19.81	19.64	
15	QPSK	75	0	19.63	19.79	19.75	
15	16QAM	1	0	19.66	19.60	19.58	
15	16QAM	1	37	19.78	19.71	19.79	20.3
15	16QAM	1	74	19.68	19.58	19.83	
15	16QAM	36	0	19.57	19.57	19.66	
15	16QAM	36	20	19.66	19.65	19.70	
15	16QAM	36	39	19.59	19.59	19.53	
15	16QAM	75	0	19.70	19.65	19.60	
15	64QAM	1	0	19.67	19.71	19.69	
15	64QAM	1	37	19.72	19.88	19.71	20.3
15	64QAM	1	74	19.63	19.70	19.80	
15	64QAM	36	0	19.57	19.68	19.70	
15	64QAM	36	20	19.56	19.78	19.60	
15	64QAM	36	39	19.59	19.70	19.60	
15	64QAM	75	0	19.65	19.81	19.63	
15	256QAM	1	0	19.01	19.07	19.01	
15	256QAM	1	37	19.05	19.06	19.06	19.8
15	256QAM	1	74	19.10	19.07	19.17	
15	256QAM	36	0	19.11	19.19	19.12	
15	256QAM	36	20	19.11	19.02	19.09	
15	256QAM	36	39	19.15	19.13	18.96	
15	256QAM	75	0	19.18	19.02	19.14	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.75	19.77	19.80	20.3
10	QPSK	1	25	19.82	19.90	19.82	
10	QPSK	1	49	19.80	19.75	19.69	
10	QPSK	25	0	19.94	19.69	19.79	
10	QPSK	25	12	19.67	19.77	19.86	
10	QPSK	25	25	19.59	19.68	19.62	
10	QPSK	50	0	19.65	19.83	19.76	
10	16QAM	1	0	19.57	19.65	19.63	
10	16QAM	1	25	19.76	19.76	19.75	20.3
10	16QAM	1	49	19.67	19.64	19.67	
10	16QAM	25	0	19.65	19.63	19.59	
10	16QAM	25	12	19.54	19.65	19.78	
10	16QAM	25	25	19.70	19.65	19.57	
10	16QAM	50	0	19.64	19.65	19.67	
10	64QAM	1	0	19.67	19.67	19.66	
10	64QAM	1	25	19.74	19.77	19.75	20.3
10	64QAM	1	49	19.69	19.64	19.62	
10	64QAM	25	0	19.51	19.69	19.72	
10	64QAM	25	12	19.55	19.75	19.66	
10	64QAM	25	25	19.49	19.74	19.62	
10	64QAM	50	0	19.60	19.75	19.64	
10	256QAM	1	0	19.00	19.06	19.10	
10	256QAM	1	25	19.11	19.07	19.17	19.8
10	256QAM	1	49	19.05	19.06	19.15	
10	256QAM	25	0	19.20	19.21	19.11	
10	256QAM	25	12	19.18	19.05	18.97	19.8
10	256QAM	25	25	19.12	19.00	19.07	
10	256QAM	50	0	19.19	19.10	19.11	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.78	19.75	19.85	20.3
5	QPSK	1	12	19.70	19.79	19.82	
5	QPSK	1	24	19.82	19.66	19.65	
5	QPSK	12	0	19.69	19.75	19.72	
5	QPSK	12	7	19.65	19.87	19.81	
5	QPSK	12	13	19.59	19.82	19.62	
5	QPSK	25	0	19.72	19.85	19.76	
5	16QAM	1	0	19.67	19.70	19.70	
5	16QAM	1	12	19.68	19.70	19.84	20.3
5	16QAM	1	24	19.67	19.58	19.65	
5	16QAM	12	0	19.64	19.57	19.67	
5	16QAM	12	7	19.59	19.75	19.72	
5	16QAM	12	13	19.61	19.67	19.55	
5	16QAM	25	0	19.73	19.69	19.65	
5	64QAM	1	0	19.75	19.71	19.63	
5	64QAM	1	12	19.61	19.78	19.76	20.3
5	64QAM	1	24	19.63	19.73	19.61	
5	64QAM	12	0	19.59	19.68	19.73	
5	64QAM	12	7	19.57	19.81	19.57	20.3
5	64QAM	12	13	19.62	19.70	19.62	
5	64QAM	25	0	19.64	19.71	19.62	
5	256QAM	1	0	18.95	19.18	19.04	
5	256QAM	1	12	19.10	19.04	19.07	19.8
5	256QAM	1	24	19.08	19.11	19.04	
5	256QAM	12	0	19.19	19.14	19.02	
5	256QAM	12	7	19.14	19.02	18.96	19.8
5	256QAM	12	13	19.10	19.03	19.02	
5	256QAM	25	0	19.10	19.03	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	19.66	19.80	19.78	20.3
3	QPSK	1	8	19.75	19.85	19.84	
3	QPSK	1	14	19.73	19.70	19.69	
3	QPSK	8	0	19.76	19.72	19.71	
3	QPSK	8	4	19.69	19.77	19.76	
3	QPSK	8	7	19.68	19.74	19.66	
3	QPSK	15	0	19.65	19.85	19.79	
3	16QAM	1	0	19.66	19.69	19.64	
3	16QAM	1	8	19.67	19.64	19.81	20.3
3	16QAM	1	14	19.72	19.57	19.82	
3	16QAM	8	0	19.59	19.59	19.63	
3	16QAM	8	4	19.53	19.66	19.68	20.3
3	16QAM	8	7	19.68	19.71	19.58	
3	16QAM	15	0	19.65	19.72	19.66	
3	64QAM	1	0	19.67	19.69	19.67	
3	64QAM	1	8	19.74	19.81	19.76	20.3
3	64QAM	1	14	19.66	19.71	19.71	
3	64QAM	8	0	19.56	19.69	19.77	
3	64QAM	8	4	19.51	19.77	19.71	20.3
3	64QAM	8	7	19.49	19.74	19.51	
3	64QAM	15	0	19.66	19.82	19.61	
3	256QAM	1	0	19.05	19.15	19.13	
3	256QAM	1	8	19.06	19.16	19.05	19.8
3	256QAM	1	14	19.04	19.08	19.12	
3	256QAM	8	0	19.08	19.14	19.12	
3	256QAM	8	4	19.16	19.11	19.01	19.8
3	256QAM	8	7	19.10	19.10	18.95	
3	256QAM	15	0	19.21	19.12	19.11	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.67	19.72	19.76	20.3
1.4	QPSK	1	3	19.73	19.88	19.86	
1.4	QPSK	1	5	19.79	19.75	19.72	
1.4	QPSK	3	0	19.73	19.81	19.84	
1.4	QPSK	3	1	19.78	19.80	19.72	
1.4	QPSK	3	3	19.62	19.81	19.69	
1.4	QPSK	6	0	19.77	19.82	19.69	
1.4	16QAM	1	0	19.64	19.59	19.56	20.3
1.4	16QAM	1	3	19.71	19.68	19.82	
1.4	16QAM	1	5	19.64	19.54	19.68	
1.4	16QAM	3	0	19.69	19.57	19.68	
1.4	16QAM	3	1	19.63	19.75	19.77	
1.4	16QAM	3	3	19.67	19.67	19.63	
1.4	16QAM	6	0	19.63	19.65	19.73	20.3
1.4	64QAM	1	0	19.72	19.68	19.65	
1.4	64QAM	1	3	19.64	19.82	19.76	
1.4	64QAM	1	5	19.71	19.72	19.69	20.3
1.4	64QAM	3	0	19.59	19.66	19.78	
1.4	64QAM	3	1	19.61	19.72	19.66	
1.4	64QAM	3	3	19.58	19.73	19.50	
1.4	64QAM	6	0	19.72	19.69	19.60	20.3
1.4	256QAM	1	0	19.08	19.12	19.08	
1.4	256QAM	1	3	19.08	19.10	19.04	
1.4	256QAM	1	5	19.00	19.04	19.09	19.8
1.4	256QAM	3	0	19.17	19.09	19.10	
1.4	256QAM	3	1	19.07	19.15	19.10	
1.4	256QAM	3	3	19.10	19.14	19.07	
1.4	256QAM	6	0	19.09	19.11	19.08	19.8

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.30	22.37	22.33	23
20	QPSK	1	49	22.35	22.42	22.38	
20	QPSK	1	99	22.23	22.39	22.32	
20	QPSK	50	0	22.25	22.32	22.24	
20	QPSK	50	24	22.28	22.40	22.35	
20	QPSK	50	50	22.26	22.38	22.30	
20	QPSK	100	0	22.21	22.35	22.32	
20	16QAM	1	0	22.33	22.36	22.37	23
20	16QAM	1	49	22.32	22.34	22.36	
20	16QAM	1	99	22.22	22.39	22.24	
20	16QAM	50	0	22.30	22.34	22.36	
20	16QAM	50	24	22.30	22.36	22.24	23
20	16QAM	50	50	22.27	22.31	22.26	
20	16QAM	100	0	22.29	22.29	22.24	
20	64QAM	1	0	22.23	22.34	22.25	23
20	64QAM	1	49	22.25	22.41	22.25	
20	64QAM	1	99	22.25	22.34	22.26	
20	64QAM	50	0	21.42	21.48	21.37	22
20	64QAM	50	24	21.46	21.44	21.50	
20	64QAM	50	50	21.29	21.46	21.42	
20	64QAM	100	0	21.41	21.28	21.30	
20	256QAM	1	0	19.10	19.18	19.16	
20	256QAM	1	49	19.21	19.19	19.10	20
20	256QAM	1	99	19.14	19.15	19.16	
20	256QAM	50	0	19.22	19.25	19.18	
20	256QAM	50	24	19.17	19.24	19.07	20
20	256QAM	50	50	19.16	19.13	19.11	
20	256QAM	100	0	19.24	19.14	19.10	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.20	22.33	22.23	23
15	QPSK	1	37	22.25	22.40	22.28	
15	QPSK	1	74	22.10	22.30	22.24	
15	QPSK	36	0	22.16	22.23	22.18	
15	QPSK	36	20	22.23	22.37	22.33	23
15	QPSK	36	39	22.17	22.32	22.22	
15	QPSK	75	0	22.19	22.31	22.24	
15	16QAM	1	0	22.18	22.33	22.26	
15	16QAM	1	37	22.26	22.26	22.21	23
15	16QAM	1	74	22.18	22.37	22.14	
15	16QAM	36	0	22.26	22.31	22.29	
15	16QAM	36	20	22.27	22.22	22.15	23
15	16QAM	36	39	22.16	22.28	22.16	
15	16QAM	75	0	22.17	22.24	22.18	
15	64QAM	1	0	22.14	22.28	22.17	
15	64QAM	1	37	22.22	22.27	22.16	23
15	64QAM	1	74	22.12	22.29	22.25	
15	64QAM	36	0	21.32	21.35	21.34	
15	64QAM	36	20	21.39	21.37	21.44	22
15	64QAM	36	39	21.27	21.31	21.27	
15	64QAM	75	0	21.32	21.21	21.26	
15	256QAM	1	0	18.95	19.07	19.02	
15	256QAM	1	37	19.17	19.05	18.97	20
15	256QAM	1	74	19.06	19.04	19.03	
15	256QAM	36	0	19.21	19.19	19.15	
15	256QAM	36	20	19.07	19.21	18.99	20
15	256QAM	36	39	19.09	19.01	19.09	
15	256QAM	75	0	19.15	19.02	19.02	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.19	22.25	22.27	23
10	QPSK	1	25	22.27	22.29	22.36	
10	QPSK	1	49	22.08	22.35	22.17	
10	QPSK	25	0	22.23	22.29	22.21	
10	QPSK	25	12	22.23	22.35	22.22	23
10	QPSK	25	25	22.15	22.34	22.19	
10	QPSK	50	0	22.07	22.21	22.25	
10	16QAM	1	0	22.31	22.21	22.24	
10	16QAM	1	25	22.30	22.21	22.27	23
10	16QAM	1	49	22.08	22.29	22.18	
10	16QAM	25	0	22.18	22.24	22.27	
10	16QAM	25	12	22.20	22.21	22.11	23
10	16QAM	25	25	22.15	22.20	22.24	
10	16QAM	50	0	22.14	22.19	22.09	
10	64QAM	1	0	22.21	22.25	22.16	
10	64QAM	1	25	22.16	22.26	22.16	23
10	64QAM	1	49	22.23	22.28	22.21	
10	64QAM	25	0	21.36	21.35	21.34	
10	64QAM	25	12	21.44	21.30	21.36	22
10	64QAM	25	25	21.25	21.38	21.29	
10	64QAM	50	0	21.37	21.26	21.29	
10	256QAM	1	0	19.00	19.14	19.03	
10	256QAM	1	25	19.18	19.08	19.07	20
10	256QAM	1	49	18.99	19.03	19.07	
10	256QAM	25	0	19.12	19.17	19.07	
10	256QAM	25	12	19.06	19.10	18.93	20
10	256QAM	25	25	19.07	19.00	19.10	
10	256QAM	50	0	19.12	19.06	18.96	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.26	22.35	22.28	23
5	QPSK	1	12	22.32	22.36	22.23	
5	QPSK	1	24	22.11	22.30	22.29	
5	QPSK	12	0	22.16	22.28	22.20	
5	QPSK	12	7	22.21	22.28	22.24	23
5	QPSK	12	13	22.13	22.27	22.23	
5	QPSK	25	0	22.12	22.32	22.30	
5	16QAM	1	0	22.24	22.24	22.27	
5	16QAM	1	12	22.18	22.24	22.33	23
5	16QAM	1	24	22.14	22.34	22.21	
5	16QAM	12	0	22.22	22.23	22.35	
5	16QAM	12	7	22.20	22.29	22.14	23
5	16QAM	12	13	22.20	22.27	22.23	
5	16QAM	25	0	22.15	22.27	22.22	
5	64QAM	1	0	22.12	22.19	22.15	
5	64QAM	1	12	22.12	22.27	22.27	23
5	64QAM	1	24	22.12	22.25	22.19	
5	64QAM	12	0	21.38	21.45	21.33	
5	64QAM	12	7	21.36	21.43	21.44	22
5	64QAM	12	13	21.25	21.35	21.40	
5	64QAM	25	0	21.40	21.24	21.16	
5	256QAM	1	0	19.03	19.12	19.02	
5	256QAM	1	12	19.08	19.07	19.09	20
5	256QAM	1	24	19.01	19.02	19.09	
5	256QAM	12	0	19.12	19.13	19.11	
5	256QAM	12	7	19.14	19.18	19.00	20
5	256QAM	12	13	19.15	19.11	18.96	
5	256QAM	25	0	19.11	19.18	19.06	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.19	22.22	22.28	23
3	QPSK	1	8	22.24	22.27	22.29	
3	QPSK	1	14	22.09	22.32	22.26	
3	QPSK	8	0	22.24	22.22	22.15	
3	QPSK	8	4	22.21	22.27	22.23	23
3	QPSK	8	7	22.23	22.31	22.15	
3	QPSK	15	0	22.10	22.25	22.24	
3	16QAM	1	0	22.31	22.32	22.33	
3	16QAM	1	8	22.24	22.23	22.29	23
3	16QAM	1	14	22.10	22.25	22.10	
3	16QAM	8	0	22.24	22.27	22.28	
3	16QAM	8	4	22.16	22.32	22.17	23
3	16QAM	8	7	22.21	22.29	22.19	
3	16QAM	15	0	22.18	22.26	22.17	
3	64QAM	1	0	22.17	22.29	22.13	
3	64QAM	1	8	22.16	22.29	22.20	23
3	64QAM	1	14	22.22	22.23	22.15	
3	64QAM	8	0	21.40	21.44	21.22	
3	64QAM	8	4	21.44	21.42	21.44	22
3	64QAM	8	7	21.47	21.44	21.41	
3	64QAM	15	0	21.39	21.16	21.15	
3	256QAM	1	0	19.01	19.11	19.03	
3	256QAM	1	8	19.14	19.09	19.09	20
3	256QAM	1	14	19.03	19.12	19.02	
3	256QAM	8	0	19.20	19.14	19.11	
3	256QAM	8	4	19.10	19.12	18.92	20
3	256QAM	8	7	19.11	19.00	19.08	
3	256QAM	15	0	19.11	19.11	19.03	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.15	22.31	22.20	23
1.4	QPSK	1	3	22.33	22.41	22.26	
1.4	QPSK	1	5	22.16	22.27	22.17	
1.4	QPSK	3	0	22.14	22.30	22.16	
1.4	QPSK	3	1	22.13	22.28	22.25	
1.4	QPSK	3	3	22.16	22.28	22.26	
1.4	QPSK	6	0	22.19	22.31	22.25	
1.4	16QAM	1	0	22.20	22.35	22.28	23
1.4	16QAM	1	3	22.23	22.26	22.27	
1.4	16QAM	1	5	22.13	22.34	22.21	
1.4	16QAM	3	0	22.25	22.20	22.31	
1.4	16QAM	3	1	22.18	22.34	22.10	
1.4	16QAM	3	3	22.16	22.21	22.16	
1.4	16QAM	6	0	22.17	22.22	22.11	23
1.4	64QAM	1	0	22.21	22.30	22.20	
1.4	64QAM	1	3	22.18	22.34	22.19	
1.4	64QAM	1	5	22.24	22.19	22.13	23
1.4	64QAM	3	0	22.35	22.12	22.07	
1.4	64QAM	3	1	22.16	22.14	22.16	
1.4	64QAM	3	3	22.26	22.04	21.99	
1.4	64QAM	6	0	21.37	21.14	21.25	22
1.4	256QAM	1	0	19.08	19.03	19.07	
1.4	256QAM	1	3	19.17	19.08	19.03	
1.4	256QAM	1	5	19.09	19.08	19.15	20
1.4	256QAM	3	0	19.12	19.14	19.08	
1.4	256QAM	3	1	19.13	19.17	19.06	
1.4	256QAM	3	3	19.14	18.99	18.99	
1.4	256QAM	6	0	19.23	19.10	19.01	20

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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)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.74	23.80	23.76	24.8
20	QPSK	1	49	23.79	23.88	23.77	
20	QPSK	1	99	23.61	23.73	23.63	
20	QPSK	50	0	22.64	22.66	22.52	
20	QPSK	50	24	22.73	22.72	22.59	
20	QPSK	50	50	22.65	22.69	22.67	23.8
20	QPSK	100	0	22.58	22.72	22.59	
20	16QAM	1	0	22.65	22.70	22.63	
20	16QAM	1	49	22.56	22.68	22.57	23.8
20	16QAM	1	99	22.53	22.58	22.47	
20	16QAM	50	0	21.52	21.63	21.55	
20	16QAM	50	24	21.49	21.51	21.36	22.8
20	16QAM	50	50	21.36	21.50	21.41	
20	16QAM	100	0	21.49	21.62	21.50	
20	64QAM	1	0	21.60	21.74	21.60	
20	64QAM	1	49	21.35	21.48	21.45	22.8
20	64QAM	1	99	21.50	21.68	21.56	
20	64QAM	50	0	20.59	20.68	20.63	
20	64QAM	50	24	20.59	20.67	20.64	21.8
20	64QAM	50	50	20.53	20.61	20.58	
20	64QAM	100	0	20.54	20.62	20.52	
20	256QAM	1	0	18.51	18.48	18.45	
20	256QAM	1	49	18.39	18.56	18.54	19.8
20	256QAM	1	99	18.47	18.58	18.49	
20	256QAM	50	0	18.42	18.51	18.52	
20	256QAM	50	24	18.48	18.57	18.52	19.8
20	256QAM	50	50	18.46	18.46	18.42	
20	256QAM	100	0	18.41	18.48	18.42	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.69	23.75	23.65	24.8
15	QPSK	1	37	23.67	23.75	23.74	
15	QPSK	1	74	23.48	23.67	23.61

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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)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.19	23.24	23.20	23.5
20	QPSK	1	49	23.25	23.32	23.28	
20	QPSK	1	99	23.11	23.25	23.14	
20	QPSK	50	0	23.04	23.19	23.11	23.5
20	QPSK	50	24	23.13	23.27	23.24	
20	QPSK	50	50	23.05	23.12	23.07	
20	QPSK	100	0	23.06	23.17	23.12	
20	16QAM	1	0	23.07	23.19	23.18	23.5
20	16QAM	1	49	23.15	23.17	23.14	
20	16QAM	1	99	22.99	23.18	23.13	
20	16QAM	50	0	22.87	22.78	22.72	23
20	16QAM	50	24	22.88	22.74	22.95	
20	16QAM	50	50	23.00	22.85	22.84	
20	16QAM	100	0	22.88	22.70	22.75	
20	64QAM	1	0	22.80	22.98	22.78	23
20	64QAM	1	49	22.52	22.48	22.70	
20	64QAM	1	99	22.82	22.57	22.60	
20	64QAM	50	0	21.80	21.73	21.65	22
20	64QAM	50	24	21.70	21.84	21.83	
20	64QAM	50	50	21.82	21.76	21.81	
20	64QAM	100	0	21.83	21.68	21.78	
20	256QAM	1	0	19.52	19.57	19.64	20
20	256QAM	1	49	19.47	19.49	19.65	
20	256QAM	1	99	19.53	19.57	19.51	
20	256QAM	50	0	19.45	19.54	19.60	20
20	256QAM	50	24	19.52	19.54	19.58	
20	256QAM	50	50	19.49	19.50	19.60	
20	256QAM	100	0	19.56	19.53	19.53	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.10	23.16	23.08	23.5
15	QPSK	1	37	23.22	23.29	23.23	
15	QPSK	1	74	23.07	23.16	23.08	
15	QPSK	36	0	22.88	23.16	23.05	23.5
15	QPSK	36	20	23.03	23.18	23.18	
15	QPSK	36	39	22.96	22.98	23.04	
15	QPSK	75	0	22.91	23.05	23.11	
15	16QAM	1	0	22.94	23.09	23.04	23.5
15	16QAM	1	37	23.06	23.08	23.01	
15	16QAM	1	74	22.87	23.10	23.10	
15	16QAM	36	0	22.74	22.70	22.70	23
15	16QAM	36	20	22.77	22.62	22.84	
15	16QAM	36	39	22.90	22.80	22.71	
15	16QAM	75	0	22.81	22.59	22.61	
15	64QAM	1	0	22.79	22.41	22.76	23
15	64QAM	1	37	22.44	22.37	22.66	
15	64QAM	1	74	22.70	22.43	22.58	
15	64QAM	36	0	21.69	21.68	21.61	22
15	64QAM	36	20	21.55	21.72	21.77	
15	64QAM	36	39	21.80	21.69	21.66	
15	64QAM	75	0	21.69	21.67	21.63	
15	256QAM	1	0	19.42	19.48	19.56	20
15	256QAM	1	37	19.32	19.44	19.61	
15	256QAM	1	74	19.47	19.49	19.36	
15	256QAM	36	0	19.40	19.44	19.54	20
15	256QAM	36	20	19.42	19.44	19.54	
15	256QAM	36	39	19.48	19.40	19.51	
15	256QAM	75	0	19.55	19.40	19.46	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.16	23.15	23.09	23.5
10	QPSK	1	25	23.13	23.20	23.27	
10	QPSK	1	49	23.09	23.19	22.99	
10	QPSK	25	0	23.02	23.13	22.98	23.5
10	QPSK	25	12	23.10	23.20	23.14	
10	QPSK	25	25	22.97	23.05	23.00	
10	QPSK	50	0	22.95	23.06	22.99	
10	16QAM	1	0	22.95	23.13	23.10	23.5
10	16QAM	1	25	23.13	23.12	23.08	
10	16QAM	1	49	22.97	23.14	23.12	
10	16QAM	25	0	22.82	22.77	22.60	23
10	16QAM	25	12	22.84	22.61	22.93	
10	16QAM	25	25	22.98	22.78	22.83	
10	16QAM	50	0	22.74	22.64	22.60	
10	64QAM	1	0	22.67	22.55	22.70	23
10	64QAM	1	25	22.39	22.44	22.69	
10	64QAM	1	49	22.73	22.55	22.57	
10	64QAM	25	0	21.70	21.71	21.52	22
10	64QAM	25	12	21.66	21.74	21.79	
10	64QAM	25	25	21.73	21.61	21.77	
10	64QAM	50	0	21.73	21.58	21.73	
10	256QAM	1	0	19.47	19.56	19.58	20
10	256QAM	1	25	19.45	19.34	19.56	
10	256QAM	1	49	19.45	19.55	19.46	
10	256QAM	25	0	19.42	19.39	19.49	20
10	256QAM	25	12	19.39	19.40	19.54	
10	256QAM	25	25	19.38	19.44	19.55	
10	256QAM	50	0	19.48	19.50	19.52	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.16	23.23	23.10	23.5
5	QPSK	1	12	23.16	23.29	23.21	
5	QPSK	1	24	23.01	23.24	23.10	
5	QPSK	12	0	23.02	23.05	23.05	23.5
5	QPSK	12	7	23.10	23.16	23.12	
5	QPSK	12	13	22.91	22.98	22.92	
5	QPSK	25	0	22.96	23.15	22.99	
5	16QAM	1	0	22.99	23.12	23.07	23.5
5	16QAM	1	12	23.03	23.07	22.99	
5	16QAM	1	24	22.94	23.04	22.99	
5	16QAM	12	0	22.85	22.75	22.67	23
5	16QAM	12	7	22.83	22.65	22.88	
5	16QAM	12	13	22.97	22.71	22.72	
5	16QAM	25	0	22.80	22.63	22.61	
5	64QAM	1	0	22.78	22.42	22.72	23
5	64QAM	1	12	22.43	22.40	22.65	
5	64QAM	1	24	22.79	22.53	22.45	
5	64QAM	12	0	21.79	21.58	21.53	22
5	64QAM	12	7	21.62	21.83	21.82	
5	64QAM	12	13	21.71	21.74	21.79	
5	64QAM	25	0	21.82	21.62	21.67	
5	256QAM	1	0	19.45	19.46	19.60	20
5	256QAM	1	12	19.33	19.46	19.52	
5	256QAM	1	24	19.46	19.48	19.37	
5	256QAM	12	0	19.34	19.47	19.46	20
5	256QAM	12	7	19.40	19.48	19.46	
5	256QAM	12	13	19.48	19.36	19.55	
5	256QAM	25	0	19.41	19.48	19.46	

Band 38_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)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.62	21.77	21.65	22.3
20	QPSK	1	49	21.74	21.80	21.72	
20	QPSK	1	99	21.64	21.78	21.60	
20	QPSK	50	0	21.60	21.68	21.58	22.3
20	QPSK	50	24	21.70	21.77	21.67	
20	QPSK	50	50	21.67	21.71	21.65	
20	QPSK	100	0	21.64	21.70	21.67	
20	16QAM	1	0	21.63	21.78	21.60	22.3
20	16QAM	1	49	21.65	21.75	21.70	
20	16QAM	1	99	21.63	21.66	21.64	
20	16QAM	50	0	21.62	21.66	21.68	22.3
20	16QAM	50	24	21.71	21.76	21.60	
20	16QAM	50	50	21.62	21.78	21.60	
20	16QAM	100	0	21.61	21.69	21.60	
20	64QAM	1	0	21.64	21.67	21.65	22.3
20	64QAM	1	49	21.60	21.79	21.69	
20	64QAM	1	99	21.64	21.67	21.65	
20	64QAM	50	0	21.10	21.08	21.32	21.8
20	64QAM	50	24	21.19	21.20	21.21	
20	64QAM	50	50	21.12	21.21	21.20	
20	64QAM	100	0	21.20	21.23	21.30	
20	256QAM	1	0	19.02	19.00	19.05	19.8
20	256QAM	1	49	18.93	18.99	18.92	
20	256QAM	1	99	18.94	18.87	19.01	
20	256QAM	50	0	18.96	18.86	18.98	19.8
20	256QAM	50	24	18.92	18.85	18.98	
20	256QAM	50	50	19.01	18.90	18.98	
20	256QAM	100	0	18.88	18.85	18.96	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.53	21.71	21.55	22.3
15	QPSK	1	37	21.66	21.77	21.60	
15	QPSK	1	74	21.62	21.67	21.55	
15	QPSK	36	0	21.57	21.61	21.45	22.3
15	QPSK	36	20	21.56	21.63	21.60	
15	QPSK	36	39	21.55	21.65	21.60	
15	QPSK	75	0	21.58	21.56	21.53	
15	16QAM	1	0	21.48	21.65	21.49	22.3
15	16QAM	1	37	21.61	21.74	21.65	
15	16QAM	1	74	21.48	21.57	21.62	
15	16QAM	36	0	21.58	21.60	21.67	22.3
15	16QAM	36	20	21.70	21.70	21.53	
15	16QAM	36	39	21.53	21.74	21.57	
15	16QAM	75	0	21.55	21.65	21.52	
15	64QAM	1	0	21.53	21.61	21.60	22.3
15	64QAM	1	37	21.57	21.76	21.59	
15	64QAM	1	74	21.60	21.66	21.64	
15	64QAM	36	0	21.06	21.07	21.19	21.8
15	64QAM	36	20	21.12	21.07	21.16	
15	64QAM	36	39	20.97	21.09	21.16	
15	64QAM	75	0	21.09	21.21	21.15	
15	256QAM	1	0	18.88	18.94	18.95	19.8
15	256QAM	1	37	18.78	18.97	18.85	
15	256QAM	1	74	18.81	18.80	18.94	
15	256QAM	36	0	18.92	18.76	18.84	19.8
15	256QAM	36	20	18.89	18.78	18.96	
15	256QAM	36	39	19.00	18.83	18.94	
15	256QAM	75	0	18.74	18.81	18.91	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.51	21.75	21.50	22.3
10	QPSK	1	25	21.61	21.79	21.59	
10	QPSK	1	49	21.51	21.63	21.53	
10	QPSK	25	0	21.57	21.58	21.53	22.3
10	QPSK	25	12	21.59	21.74	21.53	
10	QPSK	25	25	21.57	21.57	21.56	
10	QPSK	50	0	21.60	21.68	21.54	
10	16QAM	1	0	21.62	21.73	21.49	22.3
10	16QAM	1	25	21.60	21.64	21.65	
10	16QAM	1	49	21.57	21.60	21.51	
10	16QAM	25	0	21.51	21.56	21.54	22.3
10	16QAM	25	12	21.59	21.66	21.56	
10	16QAM	25	25	21.55	21.76	21.54	
10	16QAM	50	0	21.58	21.54	21.59	
10	64QAM	1	0	21.50	21.53	21.61	22.3
10	64QAM	1	25	21.45	21.65	21.63	
10	64QAM	1	49	21.62	21.66	21.64	
10	64QAM	25	0	20.97	20.99	21.27	21.8
10	64QAM	25	12	21.05	21.13	21.19	
10	64QAM	25	25	21.09	21.07	21.15	
10	64QAM	50	0	21.11	21.13	21.23	
10	256QAM	1	0	18.95	18.94	18.93	19.8
10	256QAM	1	25	18.84	18.85	18.77	
10	256QAM	1	49	18.87	18.76	18.97	
10	256QAM	25	0	18.94	18.75	18.87	19.8
10	256QAM	25	12	18.88	18.78	18.94	
10	256QAM	25	25	18.88	18.84	18.94	
10	256QAM	50	0	18.79	18.70	18.82	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.53	21.65	21.61	22.3
5	QPSK	1	12	21.59	21.71	21.57	
5	QPSK	1	24	21.58	21.75	21.55	
5	QPSK	12	0	21.52	21.65	21.53	22.3
5	QPSK	12	7	21.58	21.76	21.59	
5	QPSK	12	13	21.63	21.68	21.50	
5	QPSK	25	0	21.61	21.60	21.54	
5	16QAM	1	0	21.53	21.68	21.50	22.3
5	16QAM	1	12	21.52	21.64	21.63	
5	16QAM	1	24	21.53	21.54	21.52	
5	16QAM	12	0	21.56	21.65	21.63	22.3
5	16QAM	12	7	21.58	21.63	21.54	
5	16QAM	12	13	21.56	21.63	21.48	
5	16QAM	25	0	21.46	21.59	21.47	
5	64QAM	1	0	21.60	21.53	21.62	22.3
5	64QAM	1	12	21.47	21.77	21.58	
5	64QAM	1	24	21.51	21.55	21.50	
5	64QAM	12	0	21.06	20.93	21.17	21.8
5	64QAM	12	7	21.06	21.10	21.19	
5	64QAM	12	13	21.07	21.17	21.19	
5	64QAM	25	0	21.12	21.16	21.25	
5	256QAM	1	0	18.88	18.91	19.03	19.8
5	256QAM	1	12	18.81	18.87	18.83	
5	256QAM	1	24	18.83	18.74	19.00	
5	256QAM	12	0	18.95	18.77	18.97	19.8
5	256QAM	12	7	18.95	18.80	18.95	
5	256QAM	12	13	19.00	18.84	18.88	
5	256QAM	25	0	18.75	18.83	18.90	

Band 41_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.42	23.49	23.42	23.26	23.44	23.8
20	QPSK	1	49	23.47	23.52	23.45	23.40	23.50	
20	QPSK	1	99	23.39	23.39	23.40	23.39	23.45	
20	QPSK	50	0	23.30	23.45	23.41	23.14	23.39	
20	QPSK	50	24	23.40	23.48	23.43	23.38	23.40	23.8
20	QPSK	50	50	23.29	23.27	23.33	23.37	23.36	
20	QPSK	100	0	23.40	23.41	23.28	23.24	23.32	
20	16QAM	1	0	23.27	23.44	23.32	23.15	23.35	
20	16QAM	1	49	23.43	23.50	23.44	23.27	23.47	23.8
20	16QAM	1	99	23.38	23.30	23.27	23.36	23.31	
20	16QAM	50	0	22.31	22.39	22.43	22.67	22.49	
20	16QAM	50	24	22.47	22.59	22.64	22.54	22.58	22.8
20	16QAM	50	50	22.69	22.59	22.68	22.53	22.52	
20	16QAM	100	0	22.51	22.52	22.52	22.50	22.45	
20	64QAM	1	0	22.23	22.34	22.41	22.58	22.37	
20	64QAM	1	49	22.45	22.53	22.59	22.44	22.54	22.8
20	64QAM	1	99	22.54	22.57	22.63	22.52	22.38	
20	64QAM	50	0	21.27	21.62	21.58	21.52	21.51	
20	64QAM	50	24	21.42	21.66	21.62	21.54	21.58	21.8
20	64QAM	50	50	21.46	21.54	21.55	21.56	21.58	
20	64QAM	100	0	21.51	21.50	21.54	21.47	21.47	
20	256QAM	1	0	19.63	19.51	19.42	19.57	19.52	
20	256QAM	1	49	19.51	19.47	19.49	19.58	19.60	19.8
20	256QAM	1	99	19.54	19.59	19.50	19.49	19.60	
20	256QAM	50	0	19.52	19.45	19.42	19.49	19.49	
20	256QAM	50	24	19.54	19.55	19.39	19.50	19.53	19.8
20	256QAM	50	50	19.58	19.46	19.38	19.55	19.49	
20	256QAM	100	0	19.60	19.48	19.47	19.47	19.56	
Channel				75	6278	12480	18683	24885	Tune-up limit (dBm)
Frequency (MHz)				7.5	627.8	1248	1868.3	2488.5	
15	QPSK	1	0	23.37	23.35	23.33	23.12	23.34	23.8
15	QPSK	1	37	23.45	23.40	23.36	23.37	23.40	
15	QPSK	1	74	23.35	23.24	23.28	23.34	23.32	
15	QPSK	36	0	23.17	23.30	23.40	23.06	23.25	
15	QPSK	36	20	23.39	23.38	23.36	23.27	23.28	23.8
15	QPSK	36	39	23.20	23.17	23.18	23.34	23.32	
15	QPSK	75	0	23.26	23.36	23.13	23.23	23.24	
15	16QAM	1	0	23.14	23.38	23.23	23.07	23.22	
15	16QAM	1	37	23.33	23.41	23.37	23.14	23.33	23.8
15	16QAM	1	74	23.24	23.22	23.16	23.28	23.25	
15	16QAM	36	0	22.22	22.31	22.38	22.66	22.47	
15	16QAM	36	20	22.32	22.53	22.50	22.47	22.47	22.8
15	16QAM	36	39	22.60	22.53	22.66	22.39	22.37	
15	16QAM	75	0	22.46	22.46	22.48	22.48	22.42	
15	64QAM	1	0	22.20	22.27	22.27	22.47	22.34	
15	64QAM	1	37	22.39	22.44	22.55	22.40	22.39	22.8
15	64QAM	1	74	22.49	22.52	22.52	22.47	22.24	
15	64QAM	36	0	21.24	21.54	21.46	21.40	21.42	
15	64QAM	36	20	21.41	21.60	21.49	21.49	21.51	21.8
15	64QAM	36	39	21.40	21.39	21.41	21.48	21.57	
15	64QAM	75	0	21.42	21.41	21.48	21.33	21.45	
15	256QAM	1	0	19.57	19.36	19.38	19.53	19.47	
15	256QAM	1	37	19.47	19.42	19.34	19.46	19.59	19.8
15	256QAM	1	74	19.41	19.54	19.48	19.40	19.48	
15	256QAM	36	0	19.45	19.42	19.34	19.42	19.34	
15	256QAM	36	20	19.40	19.48	19.34	19.40	19.39	19.8
15	256QAM	36	39	19.54	19.39	19.32	19.49	19.42	
15	256QAM	75	0	19.50	19.44	19.46	19.39	19.53	
Channel				50	6265	12480	18695	24910	Tune-up limit (dBm)
Frequency (MHz)				5	626.5	1248	1869.5	2491	
10	QPSK	1	0	23.36	23.39	23.29	23.14	23.39	23.8
10	QPSK	1	25	23.41	23.41	23.39	23.34	23.47	
10	QPSK	1	49	23.28	23.30	23.30	23.26	23.41	
10	QPSK	25	0	23.22	23.43	23.38	23.10	23.37	
10	QPSK	25	12	23.36	23.41	23.37	23.27	23.25	23.8
10	QPSK	25	25	23.28	23.12	23.20	23.30	23.24	
10	QPSK	50	0	23.25	23.29	23.25	23.23	23.19	
10	16QAM	1	0	23.26	23.38	23.18	23.01	23.30	
10	16QAM	1	25	23.39	23.38	23.38	23.26	23.43	23.8
10	16QAM	1	49	23.35	23.17	23.26	23.24	23.27	
10	16QAM	25	0	22.29	22.35	22.29	22.66	22.46	
10	16QAM	25	12	22.46	22.51	22.46	22.43	22.43	22.8
10	16QAM	25	25	22.67	22.51	22.57	22.48	22.41	
10	16QAM	50	0	22.46	22.49	22.49	22.37	22.30	
10	64QAM	1	0	22.12	22.23	22.32	22.46	22.30	
10	64QAM	1	25	22.44	22.44	22.45	22.34	22.53	22.8
10	64QAM	1	49	22.42	22.42	22.49	22.36	22.24	
10	64QAM	25	0	21.22	21.60	21.52	21.49	21.36	
10	64QAM	25	12	21.35	21.54	21.57	21.48	21.55	21.8
10	64QAM	25	25	21.38	21.52	21.53	21.53	21.50	
10	64QAM	50	0	21.44	21.36	21.39	21.44	21.35	
10	256QAM	1	0	19.55	19.39	19.36	19.55	19.42	
10	256QAM	1	25	19.47	19.38	19.37	19.44	19.51	19.8
10	256QAM	1	49	19.49	19.46	19.35	19.48	19.48	
10	256QAM	25	0	19.49	19.43	19.28	19.47	19.43	
10	256QAM	25	12	19.42	19.43	19.26	19.42	19.46	19.8
10	256QAM	25	25	19.55	19.43	19.36	19.47	19.34	
10	256QAM	50	0	19.55	19.39	19.36	19.43	19.50	
Channel				25	6253	12480	18708	24935	Tune-up limit (dBm)
Frequency (MHz)				2.5	625.3	1248	1870.8	2493.5	
5	QPSK	1	0	23.30	23.43	23.41	23.14	23.30	23.8
5	QPSK	1	12	23.44	23.43	23.37	23.38	23.38	
5	QPSK	1	24	23.30	23.25	23.38	23.37	23.32	
5	QPSK	12	0	23.21	23.34	23.26	23.12	23.24	
5	QPSK	12	7	23.27	23.36	23.38	23.33	23.26	
5	QPSK	12	13	23.19	23.14	23.31	23.22	23.31	23.8
5	QPSK	25	0	23.39	23.36	23.26	23.12	23.21	
5	16QAM	1	0	23.22	23.37	23.22	23.02	23.34	
5	16QAM	1	12	23.29	23.38	23.40	23.13	23.38	23.8
5	16QAM	1	24	23.34	23.24	23.25	23.26	23.20	
5	16QAM	12	0	22.17	22.33	22.38	22.64	22.45	
5	16QAM	12	7	22.43	22.51	22.56	22.40	22.49	22.8
5	16QAM	12	13	22.58	22.53	22.56	22.48	22.38	
5	16QAM	25	0	22.36	22.42	22.51	22.48	22.41	
5	64QAM	1	0	22.10	22.22	22.26	22.48	22.28	
5	64QAM	1	12	22.35	22.48	22.56	22.37	22.49	22.8
5	64QAM	1	24	22.44	22.51	22.56	22.46	22.35	
5	64QAM	12	0	21.19	21.51	21.49	21.44	21.40	
5	64QAM	12	7	21.31	21.51	21.57	21.51	21.45	21.8
5	64QAM	12	13	21.45	21.51	21.50	21.53	21.53	
5	64QAM	25	0	21.41	21.41	21.47	21.40	21.36	
5	256QAM	1	0	19.62	19.41	19.33	19.43	19.47	
5	256QAM	1	12	19.43	19.42	19.43	19.53	19.53	19.8
5	256QAM	1	24	19.47	19.55	19.41	19.44	19.45	
5	256QAM	12	0	19.48	19.38	19.27	19.36	19.46	
5	256QAM	12	7	19.46	19.43	19.31	19.37	19.39	19.8
5	256QAM	12	13	19.52	19.40	19.31	19.48	19.48	
5	256QAM	25	0	19.47	19.40	19.42	19.46	19.47	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.26	24.17	24.18	24.07	24.12	25.4
20	QPSK	1	49	24.28	24.30	24.25	24.22	24.00	
20	QPSK	1	99	24.16	24.26	24.17	24.17	24.06	
20	QPSK	50	0	24.20	24.02	24.10	23.95	23.97	
20	QPSK	50	24	24.23	24.25	24.22	24.15	24.09	25.4
20	QPSK	50	50	24.11	24.13	24.09	24.11	24.03	
20	QPSK	100	0	24.22	24.24	24.14	23.98	24.00	
20	16QAM	1	0	24.23	24.27	24.21	24.09	24.16	
20	16QAM	1	49	24.15	24.15	24.09	24.05	24.05	25.4
20	16QAM	1	99	24.16	24.04	24.17	23.96	24.00	
20	16QAM	50	0	24.24	24.26	24.14	24.17	24.16	
20	16QAM	50	24	24.07	24.24	24.03	24.06	23.94	25.4
20	16QAM	50	50	24.17	24.14	24.03	23.94	24.03	
20	16QAM	100	0	24.21	24.26	24.21	24.20	24.06	
20	64QAM	1	0	24.04	24.09	24.16	24.01	24.05	
20	64QAM	1	49	24.18	24.29	24.23	24.12	24.17	25.4
20	64QAM	1	99	24.04	24.12	24.13	24.08	24.02	
20	64QAM	50	0	23.79	23.87	23.85	23.79	23.81	
20	64QAM	50	24	23.87	23.97	23.97	23.89	23.92	24.9
20	64QAM	50	50	23.86	23.95	23.93	23.90	23.92	
20	64QAM	100	0	23.88	23.99	23.98	23.88	23.86	
20	256QAM	1	0	21.88	21.98	21.81	21.77	21.87	
20	256QAM	1	49	21.90	21.93	21.82	21.86	21.91	22.9
20	256QAM	1	99	21.83	21.90	21.82	21.88	21.94	
20	256QAM	50	0	21.82	21.86	21.86	21.86	21.92	
20	256QAM	50	24	21.82	21.89	21.91	21.88	21.89	22.9
20	256QAM	50	50	21.85	21.91	21.81	21.83	21.97	
20	256QAM	100	0	21.85	21.95	21.84	21.78	21.85	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.25	24.04	24.10	23.97	24.02	25.4
15	QPSK	1	37	24.27	24.20	24.16	24.21	24.17	
15	QPSK	1	74	24.08	24.16	24.06	24.05	23.91	
15	QPSK	36	0	24.10	23.94	23.97	23.81	23.82	
15	QPSK	36	20	24.14	24.13	24.07	24.05	23.97	25.4
15	QPSK	36	39	24.01	24.07	24.05	24.10	23.93	
15	QPSK	75	0	24.11	24.05	24.09	23.88	23.86	
15	16QAM	1	0	24.12	24.18	24.16	23.98	24.02	
15	16QAM	1	37	24.04	24.08	24.09	24.04	23.96	25.4
15	16QAM	1	74	24.07	24.02	24.04	23.94	23.99	
15	16QAM	36	0	24.12	24.22	24.00	24.13	24.04	
15	16QAM	36	20	24.05	24.15	23.97	23.99	23.87	25.4
15	16QAM	36	39	24.05	24.04	23.90	23.92	23.92	
15	16QAM	75	0	24.14	24.11	24.14	24.16	23.91	
15	64QAM	1	0	24.11	24.06	24.15	23.94	24.02	
15	64QAM	1	37	24.05	24.25	24.09	24.09	24.06	25.4
15	64QAM	1	74	24.00	24.02	24.07	24.01	23.98	
15	64QAM	36	0	23.65	23.84	23.83	23.67	23.75	
15	64QAM	36	20	23.73	23.83	23.96	23.74	23.78	24.9
15	64QAM	36	39	23.73	23.88	23.78	23.76	23.87	
15	64QAM	75	0	23.80	23.84	23.92	23.84	23.73	
15	256QAM	1	0	21.77	21.83	21.66	21.68	21.73	
15	256QAM	1	37	21.75	21.81	21.79	21.84	21.87	22.9
15	256QAM	1	74	21.73	21.78	21.81	21.73	21.80	
15	256QAM	36	0	21.70	21.82	21.77	21.77	21.87	
15	256QAM	36	20	21.80	21.81	21.78	21.86	21.77	22.9
15	256QAM	36	39	21.74	21.77	21.70	21.69	21.87	
15	256QAM	75	0	21.76	21.90	21.82	21.69	21.72	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.23	24.03	24.09	24.00	24.00	25.4
10	QPSK	1	25	24.21	24.28	24.23	24.08	24.18	
10	QPSK	1	49	24.12	24.15	24.14	24.03	23.99	
10	QPSK	25	0	24.18	23.89	23.98	23.86	23.82	
10	QPSK	25	12	24.14	24.14	24.19	24.10	24.06	25.4
10	QPSK	25	25	24.07	24.04	23.99	24.06	23.93	
10	QPSK	50	0	24.09	23.98	24.12	23.84	23.98	
10	16QAM	1	0	24.16	24.15	24.20	23.96	24.03	
10	16QAM	1	25	24.02	24.12	24.03	23.97	23.95	25.4
10	16QAM	1	49	24.05	23.94	24.13	23.86	23.97	
10	16QAM	25	0	24.17	24.18	24.01	24.14	24.05	
10	16QAM	25	12	23.98	24.14	23.93	24.07	23.81	25.4
10	16QAM	25	25	24.03	24.04	23.90	23.89	24.01	
10	16QAM	50	0	24.06	24.21	24.06	24.16	24.00	
10	64QAM	1	0	24.14	23.97	24.02	23.99	24.03	
10	64QAM	1	25	24.14	24.20	24.02	24.11	24.15	25.4
10	64QAM	1	49	23.91	24.01	24.12	23.97	23.96	
10	64QAM	25	0	23.76	23.81	23.75	23.78	23.73	
10	64QAM	25	12	23.83	23.82	23.86	23.79	23.91	24.9
10	64QAM	25	25	23.76	23.92	23.80	23.80	23.87	
10	64QAM	50	0	23.87	23.88	23.89	23.74	23.76	
10	256QAM	1	0	21.86	21.88	21.76	21.75	21.73	
10	256QAM	1	25	21.79	21.86	21.81	21.74	21.76	22.9
10	256QAM	1	49	21.72	21.83	21.81	21.74	21.91	
10	256QAM	25	0	21.72	21.71	21.80	21.84	21.82	
10	256QAM	25	12	21.74	21.75	21.89	21.87	21.84	22.9
10	256QAM	25	25	21.71	21.80	21.85	21.72	21.93	
10	256QAM	50	0	21.75	21.90	21.79	21.70	21.72	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	24.23	24.05	24.15	23.98	24.05	25.4
5	QPSK	1	12	24.23	24.24	24.24	24.08	24.09	
5	QPSK	1	24	24.14	24.13	24.08	24.07	23.94	
5	QPSK	12	0	24.11	23.95	23.97	23.91	23.89	
5	QPSK	12	7	24.12	24.18	24.13	24.13	23.96	25.4
5	QPSK	12	13	24.10	24.01	23.97	23.98	23.97	
5	QPSK	25	0	24.21	23.99	24.01	23.88	23.93	
5	16QAM	1	0	24.10	24.20	24.10	24.04	24.02	
5	16QAM	1	12	24.09	24.01	23.95	24.02	24.02	25.4
5	16QAM	1	24	24.01	24.03	24.02	23.84	23.97	
5	16QAM	12	0	24.23	24.20	24.09	24.05	24.05	
5	16QAM	12	7	23.93	24.16	24.01	23.93	23.93	25.4
5	16QAM	12	13	24.13	24.00	23.95	23.93	23.97	
5	16QAM	25	0	24.17	24.24	24.19	24.15	24.03	
5	64QAM	1	0	24.18	24.03	24.11	23.96	23.99	
5	64QAM	1	12	24.17	24.20	24.08	24.01	24.04	25.4
5	64QAM	1	24	24.02	24.02	24.05	23.98	23.98	
5	64QAM	12	0	23.73	23.73	23.83	23.72	23.80	
5	64QAM	12	7	23.73	23.84	23.84	23.83	23.90	24.9
5	64QAM	12	13	23.84	23.87	23.82	23.83	23.90	
5	64QAM	25	0	23.73	23.87	23.89	23.85	23.77	
5	256QAM	1	0	21.74	21.89	21.79	21.62	21.85	
5	256QAM	1	12	21.78	21.79	21.80	21.81	21.79	22.9
5	256QAM	1	24	21.79	21.81	21.68	21.83	21.93	
5	256QAM	12	0	21.71	21.76	21.73	21.79	21.77	
5	256QAM	12	7	21.71	21.80	21.90	21.76	21.81	22.9
5	256QAM	12	13	21.75	21.90	21.78	21.73	21.84	
5	256QAM	25	0	21.70	21.91	21.75	21.72	21.78	

Band 41_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.11	22.04	22.11	22.09	22.10	22.3
20	QPSK	1	49	22.12	22.17	22.12	22.10	22.15	
20	QPSK	1	99	22.09	22.02	22.05	22.05	22.13	
20	QPSK	50	0	22.08	22.11	21.97	22.03	22.06	
20	QPSK	50	24	22.10	22.14	22.07	22.09	22.13	22.3
20	QPSK	50	50	22.05	22.06	22.00	22.08	22.00	
20	QPSK	100	0	22.10	22.10	21.97	22.03	22.02	
20	16QAM	1	0	22.08	22.05	22.04	21.98	22.12	
20	16QAM	1	49	21.98	22.02	22.07	22.05	22.07	22.3
20	16QAM	1	99	22.06	22.02	22.06	21.97	22.12	
20	16QAM	50	0	21.63	21.66	21.66	21.61	21.62	
20	16QAM	50	24	21.61	21.65	21.60	21.49	21.56	21.8
20	16QAM	50	50	21.57	21.52	21.54	21.56	21.58	
20	16QAM	100	0	21.53	21.52	21.53	21.60	21.58	
20	64QAM	1	0	21.61	21.65	21.52	21.58	21.58	
20	64QAM	1	49	21.60	21.61	21.45	21.51	21.54	21.8
20	64QAM	1	99	21.50	21.58	21.41	21.52	21.56	
20	64QAM	50	0	20.50	20.42	20.62	20.66	20.58	
20	64QAM	50	24	20.36	20.31	20.54	20.52	20.54	20.8
20	64QAM	50	50	20.44	20.27	20.51	20.51	20.48	
20	64QAM	100	0	20.41	20.39	20.51	20.61	20.54	
20	256QAM	1	0	18.33	18.30	18.37	18.28	18.35	
20	256QAM	1	49	18.20	18.19	18.33	18.27	18.30	18.8
20	256QAM	1	99	18.25	18.23	18.22	18.27	18.28	
20	256QAM	50	0	18.19	18.26	18.30	18.24	18.34	
20	256QAM	50	24	18.30	18.25	18.22	18.21	18.31	18.8
20	256QAM	50	50	18.26	18.22	18.31	18.27	18.21	
20	256QAM	100	0	18.22	18.28	18.31	18.26	18.31	
Channel				75	6278	12480	18683	24885	Tune-up limit (dBm)
Frequency (MHz)				7.5	627.8	1248	1868.3	2488.5	
15	QPSK	1	0	22.03	21.95	22.00	22.08	21.95	22.3
15	QPSK	1	37	22.10	22.11	22.09	22.00	22.14	
15	QPSK	1	74	22.02	21.87	22.04	21.96	22.00	
15	QPSK	36	0	22.00	22.03	21.91	21.94	22.02	
15	QPSK	36	20	22.05	22.00	21.99	22.01	21.99	22.3
15	QPSK	36	39	21.95	21.94	21.91	21.93	21.89	
15	QPSK	75	0	22.08	22.10	21.91	22.01	21.95	
15	16QAM	1	0	22.00	21.94	21.90	21.91	21.97	
15	16QAM	1	37	21.84	22.00	21.98	21.93	22.05	22.3
15	16QAM	1	74	21.95	21.90	21.98	21.96	22.02	
15	16QAM	36	0	21.48	21.66	21.59	21.55	21.59	
15	16QAM	36	20	21.52	21.58	21.50	21.36	21.54	21.8
15	16QAM	36	39	21.51	21.49	21.41	21.48	21.57	
15	16QAM	75	0	21.49	21.53	21.42	21.48	21.47	
15	64QAM	1	0	21.54	21.54	21.45	21.52	21.48	
15	64QAM	1	37	21.54	21.52	21.38	21.50	21.39	21.8
15	64QAM	1	74	21.45	21.57	21.38	21.47	21.50	
15	64QAM	36	0	20.43	20.38	20.55	20.63	20.54	
15	64QAM	36	20	20.28	20.24	20.40	20.48	20.48	20.8
15	64QAM	36	39	20.38	20.15	20.39	20.45	20.34	
15	64QAM	75	0	20.39	20.36	20.38	20.47	20.42	
15	256QAM	1	0	18.24	18.26	18.27	18.25	18.24	
15	256QAM	1	37	18.05	18.08	18.26	18.13	18.19	18.8
15	256QAM	1	74	18.12	18.17	18.07	18.24	18.17	
15	256QAM	36	0	18.06	18.19	18.24	18.13	18.28	
15	256QAM	36	20	18.23	18.12	18.13	18.15	18.17	18.8
15	256QAM	36	39	18.18	18.14	18.19	18.16	18.06	
15	256QAM	75	0	18.16	18.25	18.23	18.11	18.16	

Band 41_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.59	22.60	22.44	22.44	22.51	22.8
20	QPSK	1	49	22.61	22.70	22.58	22.53	22.63	
20	QPSK	1	99	22.58	22.60	22.54	22.41	22.55	
20	QPSK	50	0	22.45	22.54	22.42	22.34	22.48	
20	QPSK	50	24	22.59	22.66	22.55	22.42	22.62	22.8
20	QPSK	50	50	22.55	22.46	22.43	22.30	22.50	
20	QPSK	100	0	22.58	22.62	22.58	22.43	22.51	
20	16QAM	1	0	22.57	22.59	22.29	22.38	22.40	
20	16QAM	1	49	22.57	22.59	22.55	22.42	22.55	22.8
20	16QAM	1	99	22.50	22.58	22.47	22.39	22.40	
20	16QAM	50	0	22.62	22.47	22.45	22.37	22.28	
20	16QAM	50	24	22.68	22.58	22.59	22.47	22.27	22.8
20	16QAM	50	50	22.57	22.61	22.57	22.43	22.34	
20	16QAM	100	0	22.58	22.55	22.48	22.44	22.33	
20	64QAM	1	0	22.58	22.35	22.27	22.38	22.22	
20	64QAM	1	49	22.22	22.40	22.56	22.50	22.25	22.8
20	64QAM	1	99	22.47	22.33	22.57	22.23	22.28	
20	64QAM	50	0	21.47	21.44	21.47	21.33	21.30	
20	64QAM	50	24	21.67	21.50	21.49	21.45	21.31	21.8
20	64QAM	50	50	21.62	21.52	21.51	21.42	21.29	
20	64QAM	100	0	21.61	21.55	21.49	21.42	21.37	
20	256QAM	1	0	19.13	19.10	19.20	19.08	19.15	
20	256QAM	1	49	19.10	19.03	19.15	18.96	19.01	19.8
20	256QAM	1	99	19.02	19.03	19.15	19.01	19.10	
20	256QAM	50	0	19.07	19.08	19.06	19.06	19.10	
20	256QAM	50	24	19.12	19.00	19.12	18.93	19.14	19.8
20	256QAM	50	50	19.07	19.06	19.05	19.04	19.00	
20	256QAM	100	0	19.05	18.97	19.18	19.00	19.09	
Channel				75	8278	12480	16683	24885	Tune-up limit (dBm)
Frequency (MHz)				7.5	627.8	1248	1868.2	2488.5	
15	QPSK	1	0	22.57	22.55	22.38	22.41	22.38	22.8
15	QPSK	1	37	22.49	22.68	22.56	22.50	22.53	
15	QPSK	1	74	22.43	22.54	22.39	22.38	22.50	
15	QPSK	36	0	22.31	22.48	22.31	22.21	22.33	
15	QPSK	36	20	22.49	22.51	22.41	22.27	22.48	22.8
15	QPSK	36	39	22.54	22.45	22.40	22.25	22.38	
15	QPSK	75	0	22.45	22.62	22.46	22.40	22.45	
15	16QAM	1	0	22.44	22.51	22.28	22.35	22.37	
15	16QAM	1	37	22.48	22.51	22.47	22.31	22.43	22.8
15	16QAM	1	74	22.46	22.48	22.40	22.30	22.36	
15	16QAM	36	0	22.55	22.41	22.39	22.26	22.20	
15	16QAM	36	20	22.56	22.49	22.57	22.35	22.26	22.8
15	16QAM	36	39	22.43	22.53	22.49	22.39	22.28	
15	16QAM	75	0	22.50	22.40	22.36	22.36	22.29	
15	64QAM	1	0	22.57	22.28	22.25	22.38	22.13	
15	64QAM	1	37	22.10	22.29	22.54	22.40	22.20	22.8
15	64QAM	1	74	22.41	22.25	22.56	22.10	22.27	
15	64QAM	36	0	21.39	21.40	21.45	21.26	21.20	
15	64QAM	36	20	21.66	21.41	21.38	21.42	21.25	21.8
15	64QAM	36	39	21.58	21.37	21.40	21.29	21.25	
15	64QAM	75	0	21.46	21.41	21.38	21.40	21.33	
15	256QAM	1	0	19.09	19.08	19.07	19.02	19.01	
15	256QAM	1	37	19.02	18.95	19.07	18.82	18.98	19.8
15	256QAM	1	74	18.91	18.95	19.05	19.00	18.97	
15	256QAM	36	0	19.03	19.01	18.93	19.03	19.05	
15	256QAM	36	20	19.00	18.98	19.04	18.85	19.13	19.8
15	256QAM	36	39	19.03	18.98	19.00	18.94	18.95	
15	256QAM	75	0	18.95	18.83	19.07	18.97	19.08	
Channel				50	8265	12480	16695	24910	Tune-up limit (dBm)
Frequency (MHz)				5	626.5	1248	1869.5	2491	
10	QPSK	1	0	22.56	22.54	22.37	22.38	22.50	22.8
10	QPSK	1	25	22.59	22.55	22.56	22.42	22.61	
10	QPSK	1	49	22.47	22.59	22.41	22.29	22.47	
10	QPSK	25	0	22.32	22.51	22.37	22.19	22.46	
10	QPSK	25	12	22.51	22.56	22.44	22.34	22.49	22.8
10	QPSK	25	25	22.46	22.45	22.28	22.29	22.42	
10	QPSK	50	0	22.43	22.64	22.51	22.32	22.45	
10	16QAM	1	0	22.48	22.50	22.18	22.32	22.39	
10	16QAM	1	25	22.45	22.56	22.48	22.41	22.48	22.8
10	16QAM	1	49	22.41	22.51	22.46	22.29	22.38	
10	16QAM	25	0	22.59	22.39	22.39	22.25	22.26	
10	16QAM	25	12	22.53	22.43	22.52	22.33	22.28	22.8
10	16QAM	25	25	22.47	22.50	22.47	22.32	22.30	
10	16QAM	50	0	22.49	22.46	22.47	22.38	22.22	
10	64QAM	1	0	22.56	22.24	22.12	22.30	22.16	
10	64QAM	1	25	22.20	22.33	22.43	22.36	22.10	22.8
10	64QAM	1	49	22.37	22.28	22.45	22.08	22.26	
10	64QAM	25	0	21.34	21.30	21.34	21.30	21.28	
10	64QAM	25	12	21.64	21.42	21.36	21.32	21.30	21.8
10	64QAM	25	25	21.53	21.47	21.45	21.38	21.23	
10	64QAM	50	0	21.56	21.46	21.45	21.30	21.26	
10	256QAM	1	0	18.98	19.03	19.15	19.04	19.05	
10	256QAM	1	25	19.09	18.93	19.08	18.93	18.95	19.8
10	256QAM	1	49	18.94	19.00	19.03	18.87	19.04	
10	256QAM	25	0	18.96	18.99	19.06	18.97	19.00	
10	256QAM	25	12	19.06	18.93	19.06	18.79	19.02	19.8
10	256QAM	25	25	19.02	18.91	18.97	18.92	18.88	
10	256QAM	50	0	18.97	18.90	19.04	18.86	19.03	
Channel				25	8253	12480	16708	24935	Tune-up limit (dBm)
Frequency (MHz)				2.5	625.3	1248	1870.8	2493.5	
5	QPSK	1	0	22.54	22.46	22.32	22.38	22.46	22.8
5	QPSK	1	12	22.57	22.47	22.47	22.39	22.62	
5	QPSK	1	24	22.43	22.56	22.47	22.31	22.46	
5	QPSK	12	0	22.31	22.47	22.32	22.19	22.43	
5	QPSK	12	7	22.46	22.46	22.33	22.54	22.54	22.8
5	QPSK	12	13	22.50	22.34	22.28	22.29	22.37	
5	QPSK	25	0	22.41	22.58	22.53	22.29	22.40	
5	16QAM	1	0	22.55	22.57	22.18	22.27	22.34	
5	16QAM	1	12	22.46	22.58	22.42	22.31	22.53	22.8
5	16QAM	1	24	22.49	22.48	22.45	22.36	22.39	
5	16QAM	12	0	22.57	22.36	22.32	22.34	22.18	
5	16QAM	12	7	22.66	22.49	22.57	22.42	22.23	22.8
5	16QAM	12	13	22.44	22.47	22.54	22.34	22.22	
5	16QAM	25	0	22.54	22.50	22.36	22.35	22.24	
5	64QAM	1	0	22.55	22.34	22.15	22.35	22.18	
5	64QAM	1	12	22.09	22.35	22.43	22.35	22.13	22.8
5	64QAM	1	24	22.43	22.24	22.36	22.29	22.32	
5	64QAM	12	0	21.33	21.42	21.42	21.29	21.25	
5	64QAM	12	7	21.55	21.40	21.34	21.35	21.17	21.8
5	64QAM	12	13	21.51	21.48	21.42	21.36	21.17	
5	64QAM	25	0	21.48	21.53	21.42	21.30	21.22	
5	256QAM	1	0	19.06	19.06	19.19	19.00	19.05	
5	256QAM	1	12	19.07	18.89	19.05	18.84	18.90	19.8
5	256QAM	1	24	18.97	18.96	19.14	18.95	18.99	
5	256QAM	12	0	18.92	18.94	18.97	18.91	19.04	
5	256QAM	12	7	19.11	18.90	19.05	18.92	19.05	19.8
5	256QAM	12	13	18.94	19.00	19.01	19.01	18.92	
5	256QAM	25	0	18.94	18.91	19.14	18.94	18.98	

Band 41 (HPUE)_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.03	23.06	22.87	23.00	23.04	24.4
20	QPSK	1	49	23.04	23.08	23.00	23.02	23.05	
20	QPSK	1	99	22.99	23.04	22.87	22.90	22.94	
20	QPSK	50	0	22.98	22.91	22.82	22.85	22.96	
20	QPSK	50	24	23.00	23.05	22.96	22.89	23.01	24.4
20	QPSK	50	50	22.90	23.00	22.79	22.86	22.83	
20	QPSK	100	0	22.88	23.02	22.88	22.98	23.00	
20	16QAM	1	0	22.96	23.00	22.94	22.93	22.97	
20	16QAM	1	49	22.89	22.93	22.85	22.85	22.86	24.4
20	16QAM	1	99	22.97	22.98	22.82	22.86	22.98	
20	16QAM	50	0	22.92	22.95	22.91	23.01	22.90	
20	16QAM	50	24	22.84	22.96	22.82	22.86	22.87	24.4
20	16QAM	50	50	23.00	23.04	22.81	22.95	22.99	
20	16QAM	100	0	22.96	22.99	22.93	22.91	23.04	
20	64QAM	1	0	22.97	22.91	22.79	22.82	22.80	
20	64QAM	1	49	22.98	23.01	22.76	22.87	22.96	24.4
20	64QAM	1	99	22.97	22.94	22.95	23.00	23.02	
20	64QAM	50	0	22.90	22.92	22.86	22.76	22.93	
20	64QAM	50	24	22.91	22.98	22.79	22.88	22.96	24.4
20	64QAM	50	50	22.91	22.96	22.88	22.92	22.97	
20	64QAM	100	0	22.94	22.98	22.74	22.84	22.86	
20	256QAM	1	0	21.33	21.40	21.36	21.31	21.35	
20	256QAM	1	49	21.25	21.34	21.23	21.20	21.29	22.9
20	256QAM	1	99	21.26	21.33	21.24	21.29	21.26	
20	256QAM	50	0	21.29	21.35	21.24	21.26	21.31	
20	256QAM	50	24	21.24	21.35	21.33	21.19	21.28	22.9
20	256QAM	50	50	21.25	21.37	21.23	21.24	21.21	
20	256QAM	100	0	21.29	21.39	21.27	21.23	21.31	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.92	23.03	22.86	22.89	22.95	24.4
15	QPSK	1	37	22.89	23.05	22.87	22.98	22.97	
15	QPSK	1	74	22.92	22.94	22.82	22.80	22.80	
15	QPSK	36	0	22.89	22.88	22.74	22.71	22.84	
15	QPSK	36	20	22.89	22.99	22.92	22.74	22.96	24.4
15	QPSK	36	39	22.80	22.97	22.64	22.81	22.68	
15	QPSK	75	0	22.79	22.88	22.82	22.90	22.86	
15	16QAM	1	0	22.81	22.85	22.81	22.89	22.86	
15	16QAM	1	37	22.88	22.81	22.86	22.75	22.72	24.4
15	16QAM	1	74	22.96	22.83	22.78	22.84	22.95	
15	16QAM	36	0	22.90	22.81	22.78	22.96	22.82	
15	16QAM	36	20	22.82	22.90	22.77	22.73	22.73	24.4
15	16QAM	36	39	22.90	22.93	22.78	22.94	22.85	
15	16QAM	75	0	22.81	22.86	22.82	22.92	22.92	
15	64QAM	1	0	22.90	22.87	22.73	22.76	22.68	
15	64QAM	1	37	22.91	22.88	22.71	22.86	22.95	24.4
15	64QAM	1	74	22.82	22.79	22.89	22.88	22.93	
15	64QAM	36	0	22.87	22.88	22.78	22.62	22.88	
15	64QAM	36	20	22.83	22.96	22.74	22.79	22.89	24.4
15	64QAM	36	39	22.87	22.91	22.73	22.84	22.95	
15	64QAM	75	0	22.83	22.85	22.65	22.74	22.85	
15	256QAM	1	0	21.32	21.36	21.22	21.24	21.25	
15	256QAM	1	37	21.24	21.21	21.10	21.19	21.20	22.9
15	256QAM	1	74	21.14	21.28	21.10	21.27	21.20	
15	256QAM	36	0	21.21	21.25	21.21	21.16	21.27	
15	256QAM	36	20	21.23	21.26	21.24	21.07	21.25	22.9
15	256QAM	36	39	21.21	21.27	21.16	21.09	21.08	
15	256QAM	75	0	21.20	21.26	21.13	21.20	21.26	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.90	22.93	22.72	22.85	22.98	24.4
10	QPSK	1	25	22.94	23.06	22.93	22.88	22.91	
10	QPSK	1	49	22.95	22.92	22.79	22.76	22.86	
10	QPSK	25	0	22.85	22.76	22.71	22.83	22.92	
10	QPSK	25	12	22.87	23.04	22.90	22.86	22.97	24.4
10	QPSK	25	25	22.76	22.87	22.70	22.77	22.68	
10	QPSK	50	0	22.73	22.93	22.75	22.67	22.94	
10	16QAM	1	0	22.95	22.92	22.85	22.91	22.84	
10	16QAM	1	25	22.81	22.92	22.76	22.73	22.71	24.4
10	16QAM	1	49	22.83	22.96	22.73	22.79	22.89	
10	16QAM	25	0	22.76	22.81	22.90	22.99	22.89	
10	16QAM	25	12	22.69	22.84	22.69	22.72	22.86	24.4
10	16QAM	25	25	22.97	22.90	22.70	22.82	22.85	
10	16QAM	50	0	22.88	22.95	22.80	22.80	22.90	
10	64QAM	1	0	22.91	22.87	22.65	22.70	22.73	
10	64QAM	1	25	22.96	22.98	22.72	22.86	22.81	24.4
10	64QAM	1	49	22.83	22.89	22.86	22.98	22.89	
10	64QAM	25	0	22.84	22.85	22.77	22.66	22.82	
10	64QAM	25	12	22.87	22.88	22.72	22.73	22.82	24.4
10	64QAM	25	25	22.88	22.87	22.79	22.74	22.87	
10	64QAM	50	0	22.86	22.84	22.73	22.70	22.78	
10	256QAM	1	0	21.19	21.25	21.32	21.22	21.26	
10	256QAM	1	25	21.24	21.13	21.23	21.10	21.27	22.9
10	256QAM	1	49	21.18	21.21	21.16	21.27	21.22	
10	256QAM	25	0	21.22	21.30	21.10	21.16	21.28	
10	256QAM	25	12	21.10	21.34	21.23	21.15	21.19	22.9
10	256QAM	25	25	21.20	21.22	21.13	21.18	21.15	
10	256QAM	50	0	21.23	21.26	21.25	21.10	21.26	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.93	22.97	22.75	22.96	22.97	24.4
5	QPSK	1	12	22.90	23.03	22.93	22.91	23.01	
5	QPSK	1	24	22.97	23.02	22.76	22.85	22.82	
5	QPSK	12	0	22.90	22.84	22.78	22.78	22.81	
5	QPSK	12	7	22.95	22.97	22.91	22.79	22.94	24.4
5	QPSK	12	13	22.83	22.93	22.65	22.85	22.68	
5	QPSK	25	0	22.76	22.91	22.72	22.93	22.95	
5	16QAM	1	0	22.88	22.95	22.88	22.83	22.88	
5	16QAM	1	12	22.86	22.80	22.72	22.76	22.82	24.4
5	16QAM	1	24	22.92	22.94	22.81	22.74	22.91	
5	16QAM	12	0	22.87	22.81	22.80	22.97	22.86	
5	16QAM	12	7	22.83	22.84	22.68	22.79	22.72	24.4
5	16QAM	12	13	22.92	22.94	22.66	22.89	22.97	
5	16QAM	25	0	22.83	22.90	22.81	22.76	22.97	
5	64QAM	1	0	22.92	22.77	22.71	22.75	22.69	
5	64QAM	1	12	22.96	22.86	22.64	22.85	22.86	24.4
5	64QAM	1	24	22.86	22.88	22.86	22.82	22.89	
5	64QAM	12	0	22.89	22.91	22.74	22.74	22.88	
5	64QAM	12	7	22.90	22.89	22.67	22.76	22.90	24.4
5	64QAM	12	13	22.87	22.92	22.83	22.89	22.99	
5	64QAM	25	0	22.90	22.89	22.63	22.69	22.72	
5	256QAM	1	0	21.32	21.37	21.21	21.16	21.26	
5	256QAM	1	12	21.18	21.32	21.18	21.16	21.21	22.9
5	256QAM	1	24	21.23	21.30	21.20	21.15	21.24	
5	256QAM	12	0	21.22	21.27	21.09	21.15	21.16	
5	256QAM	12	7	21.09	21.32	21.27	21.18	21.13	22.9
5	256QAM	12	13	21.19	21.29	21.17	21.20	21.15	
5	256QAM	25	0	21.23	21.32	21.18	21.22	21.29	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.49	24.65	24.45	24.47	24.43	24.8
20	QPSK	1	49	24.66	24.71	24.67	24.62	24.68	
20	QPSK	1	99	24.53	24.68	24.53	24.51	24.62	
20	QPSK	50	0	23.56	23.58	23.58	23.53	23.56	
20	QPSK	50	24	23.68	23.77	23.75	23.66	23.69	23.8
20	QPSK	50	50	23.66	23.72	23.63	23.64	23.66	
20	QPSK	100	0	23.57	23.71	23.64	23.53	23.67	
20	16QAM	1	0	23.62	23.56	23.34	23.37	23.39	
20	16QAM	1	49	23.33	23.73	23.65	23.39	23.50	23.8
20	16QAM	1	99	23.62	23.47	23.62	23.36	23.55	
20	16QAM	50	0	22.46	22.89	22.60	22.50	22.55	
20	16QAM	50	24	22.76	22.77	22.63	22.45	22.66	22.8
20	16QAM	50	50	22.79	22.71	22.66	22.60	22.69	
20	16QAM	100	0	22.61	22.73	22.63	22.50	22.62	
20	64QAM	1	0	22.64	22.60	22.50	22.52	22.65	
20	64QAM	1	49	22.67	22.60	22.33	22.48	22.69	22.8
20	64QAM	1	99	22.43	22.57	22.58	22.45	22.35	
20	64QAM	50	0	21.58	21.69	21.53	21.48	21.54	
20	64QAM	50	24	21.62	21.77	21.66	21.67	21.54	21.8
20	64QAM	50	50	21.58	21.70	21.68	21.46	21.66	
20	64QAM	100	0	21.64	21.72	21.66	21.47	21.61	
20	256QAM	1	0	19.23	19.18	19.27	19.22	19.20	
20	256QAM	1	49	19.08	19.05	19.13	19.19	19.16	19.8
20	256QAM	1	99	19.16	19.07	19.23	19.17	19.09	
20	256QAM	50	0	19.20	19.05	19.21	19.21	19.17	
20	256QAM	50	24	19.20	19.14	19.14	19.19	19.12	19.8
20	256QAM	50	50	19.18	19.16	19.22	19.09	19.05	
20	256QAM	100	0	19.15	19.11	19.20	19.21	19.08	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.44	24.59	24.42	24.44	24.42	24.8
15	QPSK	1	37	24.57	24.65	24.63	24.58	24.62	
15	QPSK	1	74	24.25	24.56	24.43	24.39	24.52	
15	QPSK	36	0	23.53	23.52	23.54	23.42	23.55	
15	QPSK	36	20	23.56	23.66	23.70	23.60	23.57	23.8
15	QPSK	36	39	23.54	23.62	23.61	23.50	23.55	
15	QPSK	75	0	23.42	23.56	23.53	23.38	23.59	
15	16QAM	1	0	23.59	23.50	23.25	23.26	23.28	
15	16QAM	1	37	23.29	23.58	23.50	23.24	23.35	23.8
15	16QAM	1	74	23.50	23.33	23.54	23.27	23.43	
15	16QAM	36	0	22.32	22.59	22.56	22.46	22.53	
15	16QAM	36	20	22.74	22.66	22.49	22.42	22.63	22.8
15	16QAM	36	39	22.74	22.69	22.63	22.47	22.58	
15	16QAM	75	0	22.57	22.68	22.50	22.40	22.55	
15	64QAM	1	0	22.54	22.36	22.54	22.47	22.56	
15	64QAM	1	37	22.52	22.54	22.23	22.38	22.51	22.8
15	64QAM	1	74	22.35	22.54	22.45	22.41	22.34	
15	64QAM	36	0	21.48	21.65	21.39	21.45	21.53	
15	64QAM	36	20	21.58	21.64	21.53	21.62	21.41	21.8
15	64QAM	36	39	21.56	21.59	21.57	21.39	21.54	
15	64QAM	75	0	21.53	21.60	21.56	21.41	21.47	
15	256QAM	1	0	19.12	19.03	19.22	19.16	19.14	
15	256QAM	1	37	19.06	18.95	19.02	18.97	19.03	19.8
15	256QAM	1	74	19.06	19.04	19.19	19.06	19.01	
15	256QAM	36	0	19.09	18.98	19.16	19.18	19.05	
15	256QAM	36	20	19.09	19.12	18.99	19.13	18.98	19.8
15	256QAM	36	39	19.12	19.02	19.09	19.03	18.92	
15	256QAM	75	0	19.03	19.05	19.15	19.19	19.06

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	19.75	20.00	19.90	19.72	23.8
20	QPSK	1	49	23.35	23.28	23.18	23.23	
20	QPSK	1	99	19.77	19.97	19.87	19.76	
20	QPSK	50	0	23.13	23.24	23.15	23.17	
20	QPSK	50	24	23.23	23.27	23.20	23.25	23.8
20	QPSK	50	50	23.19	23.15	23.14	23.10	
20	QPSK	100	0	17.88	18.12	17.86	17.90	18.8
20	16QAM	1	0	18.76	18.98	18.85	18.71	
20	16QAM	1	49	23.21	23.14	23.16	23.14	23.8
20	16QAM	1	99	18.91	19.10	18.99	18.90	
20	16QAM	50	0	22.35	22.40	22.30	22.37	
20	16QAM	50	24	22.30	22.27	22.23	22.35	22.8
20	16QAM	50	50	22.26	22.32	22.22	22.33	
20	16QAM	100	0	16.74	16.99	16.90	16.74	17.8
20	64QAM	1	0	17.70	17.92	17.83	17.71	
20	64QAM	1	49	22.32	22.34	22.21	22.35	22.8
20	64QAM	1	99	17.73	17.93	17.85	17.70	
20	64QAM	50	0	21.44	21.42	21.39	21.40	
20	64QAM	50	24	21.30	21.30	21.36	21.36	21.8
20	64QAM	50	50	21.39	21.35	21.30	21.39	
20	64QAM	100	0	15.74	15.98	15.84	15.74	16.8
20	256QAM	1	0	14.68	14.91	14.83	14.67	
20	256QAM	1	49	19.32	19.27	19.24	19.23	19.8
20	256QAM	1	99	14.62	14.83	14.71	14.60	
20	256QAM	50	0	19.38	19.30	19.31	19.33	
20	256QAM	50	24	19.31	19.30	19.20	19.36	19.8
20	256QAM	50	50	19.27	19.25	19.30	19.30	
20	256QAM	100	0	15.85	16.05	15.96	15.79	16.8
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	19.72	19.86	19.87	19.62	23.8
15	QPSK	1	37	23.11	23.17	23.08	23.14	
15	QPSK	1	74	19.76	19.89	19.86	19.74	
15	QPSK	36	0	23.12	23.24	23.12	23.19	
15	QPSK	36	20	23.03	23.22	23.12	23.16	23.8
15	QPSK	36	39	23.07	23.10	23.10	22.95	
15	QPSK	75	0	17.63	17.89	17.81	17.58	18.8
15	16QAM	1	0	18.64	18.94	18.75	18.63	
15	16QAM	1	37	23.06	23.07	23.05	23.02	23.8
15	16QAM	1	74	18.88	19.08	18.94	18.81	
15	16QAM	36	0	22.30	22.32	22.21	22.36	
15	16QAM	36	20	22.28	22.19	22.08	22.23	22.8
15	16QAM	36	39	22.15	22.30	22.15	22.29	
15	16QAM	75	0	16.97	16.98	16.79	16.73	17.8
15	64QAM	1	0	17.67	17.80	17.73	17.70	
15	64QAM	1	37	22.29	22.19	22.08	22.31	22.8
15	64QAM	1	74	17.69	17.83	17.84	17.60	
15	64QAM	36	0	21.43	21.27	21.31	21.30	
15	64QAM	36	20	21.25	21.26	21.28	21.27	21.8
15	64QAM	36	39	21.29	21.20	21.27	21.30	
15	64QAM	75	0	15.65	15.94	15.76	15.71	16.8
15	256QAM	1	0	14.64	14.86	14.76	14.57	
15	256QAM	1	37	19.17	19.18	19.18	19.20	19.8
15	256QAM	1	74	14.49	14.69	14.56	14.59	
15	256QAM	36	0	19.30	19.25	19.28	19.22	
15	256QAM	36	20	19.25	19.17	19.07	19.25	19.8
15	256QAM	36	39	19.17	19.16	19.22	19.17	
15	256QAM	75	0	15.75	15.95	15.82	15.77	16.8
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.71	19.95	19.77	19.67	23.8
10	QPSK	1	25	23.13	23.18	23.12	23.13	
10	QPSK	1	49	19.73	19.88	19.83	19.70	
10	QPSK	25	0	23.18	23.25	23.06	23.15	
10	QPSK	25	12	23.00	23.09	23.03	23.04	23.8
10	QPSK	25	25	23.14	23.00	23.11	23.01	
10	QPSK	50	0	17.68	17.97	17.79	17.66	18.8
10	16QAM	1	0	18.73	18.94	18.83	18.68	
10	16QAM	1	25	23.06	23.04	23.12	23.07	23.8
10	16QAM	1	49	18.76	19.08	18.92	18.86	
10	16QAM	25	0	22.29	22.37	22.28	22.32	
10	16QAM	25	12	22.23	22.25	22.11	22.28	22.8
10	16QAM	25	25	22.13	22.31	22.19	22.24	
10	16QAM	50	0	16.64	16.93	16.86	16.61	17.8
10	64QAM	1	0	17.64	17.81	17.77	17.70	
10	64QAM	1	25	22.21	22.32	22.15	22.22	22.8
10	64QAM	1	49	17.60	17.85	17.80	17.60	
10	64QAM	25	0	21.36	21.37	21.27	21.39	
10	64QAM	25	12	21.27	21.16	21.35	21.25	21.8
10	64QAM	25	25	21.31	21.28	21.22	21.35	
10	64QAM	50	0	15.68	15.84	15.79	15.70	16.8
10	256QAM	1	0	14.56	14.85	14.80	14.55	
10	256QAM	1	25	19.27	19.14	19.19	19.21	19.8
10	256QAM	1	49	14.55	14.70	14.63	14.52	
10	256QAM	25	0	19.31	19.17	19.24	19.26	
10	256QAM	25	12	19.16	19.21	19.11	19.35	19.8
10	256QAM	25	25	19.17	19.24	19.23	19.16	
10	256QAM	50	0	15.82	15.97	15.81	15.72	16.8
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.68	19.92	19.87	19.59	23.8
5	QPSK	1	12	23.14	23.13	23.16	23.18	
5	QPSK	1	24	19.73	19.95	19.85	19.68	
5	QPSK	12	0	23.08	23.25	23.11	23.20	
5	QPSK	12	7	23.00	23.15	23.13	23.06	23.8
5	QPSK	12	13	23.11	23.06	23.09	23.04	
5	QPSK	25	0	17.75	17.88	17.79	17.68	18.8
5	16QAM	1	0	18.75	18.89	18.81	18.59	
5	16QAM	1	12	23.07	23.01	23.14	23.02	23.8
5	16QAM	1	24	18.76	18.97	18.84	18.77	
5	16QAM	12	0	22.30	22.36	22.23	22.35	
5	16QAM	12	7	22.22	22.13	22.13	22.24	22.8
5	16QAM	12	13	22.16	22.30	22.13	22.32	
5	16QAM	25	0	16.66	16.85	16.76	16.60	17.8
5	64QAM	1	0	17.68	17.80	17.72	17.67	
5	64QAM	1	12	22.25	22.25	22.14	22.25	22.8
5	64QAM	1	24	17.68	17.77	17.70	17.68	
5	64QAM	12	0	21.30	21.33	21.24	21.34	
5	64QAM	12	7	21.15	21.25	21.28	21.21	21.8
5	64QAM	12	13	21.34	21.33	21.18	21.33	
5	64QAM	25	0	15.67	15.94	15.82	15.60	16.8
5	256QAM	1	0	14.60	14.90	14.68	14.53	
5	256QAM	1	12	19.21	19.24	19.20	19.09	19.8
5	256QAM	1	24	14.49	14.74	14.64	14.56	
5	256QAM	12	0	19.33	19.17	19.18	19.21	
5	256QAM	12	7	19.28	19.29	19.07	19.24	19.8
5	256QAM	12	13	19.17	19.23	19.27	19.18	
5	256QAM	25	0	15.72	16.00	15.82	15.66	16.8

Band 48_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	19.97	19.91	19.95	19.85	23.3
20	QPSK	1	49	22.97	23.05	22.98	23.00	
20	QPSK	1	99	19.98	19.93	19.97	19.86	
20	QPSK	50	0	22.85	22.82	22.95	22.74	
20	QPSK	50	24	22.90	22.98	22.97	22.95	23.3
20	QPSK	50	50	22.87	22.91	22.88	22.91	
20	QPSK	100	0	18.08	18.15	18.07	17.96	18.3
20	16QAM	1	0	19.04	18.99	19.03	18.71	
20	16QAM	1	49	22.86	23.00	22.97	22.91	23.3
20	16QAM	1	99	19.11	19.07	19.12	18.78	
20	16QAM	50	0	22.19	22.20	22.12	22.19	
20	16QAM	50	24	22.02	22.06	22.03	21.91	22.3
20	16QAM	50	50	22.00	22.08	21.93	22.06	
20	16QAM	100	0	17.11	17.07	17.11	16.82	17.3
20	64QAM	1	0	18.17	18.16	18.20	17.90	
20	64QAM	1	49	21.94	22.08	22.03	21.98	22.3
20	64QAM	1	99	18.15	18.09	18.18	17.84	
20	64QAM	50	0	21.10	21.17	21.14	21.06	
20	64QAM	50	24	21.01	21.05	20.91	20.92	21.3
20	64QAM	50	50	20.98	21.13	21.08	20.99	
20	64QAM	100	0	16.15	16.09	16.14	15.82	16.3
20	256QAM	1	0	15.02	15.00	15.00	14.69	
20	256QAM	1	49	18.90	19.09	19.05	18.89	19.3
20	256QAM	1	99	15.01	14.96	15.00	14.70	
20	256QAM	50	0	18.92	19.09	19.00	18.91	
20	256QAM	50	24	18.98	19.03	19.05	18.94	19.3
20	256QAM	50	50	19.01	18.97	19.05	18.96	
20	256QAM	100	0	16.19	16.16	16.20	15.87	16.3
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	19.93	19.86	19.87	19.50	23.3
15	QPSK	1	37	22.84	22.99	22.97	22.93	
15	QPSK	1	74	19.87	19.92	19.96	19.53	
15	QPSK	36	0	22.72	22.79	22.83	22.70	
15	QPSK	36	20	22.75	22.93	22.84	22.83	23.3
15	QPSK	36	39	22.74	22.88	22.84	22.83	
15	QPSK	75	0	17.94	17.95	18.03	17.71	18.3
15	16QAM	1	0	18.99	18.97	18.97	18.69	
15	16QAM	1	37	22.81	22.92	22.86	22.87	23.3
15	16QAM	1	74	19.00	19.01	18.98	18.73	
15	16QAM	36	0	22.05	22.17	22.03	22.17	
15	16QAM	36	20	22.00	21.93	21.92	21.78	22.3
15	16QAM	36	39	21.96	22.00	21.91	21.97	
15	16QAM	75	0	17.03	16.98	16.97	16.79	17.3
15	64QAM	1	0	18.03	18.05	18.07	17.84	
15	64QAM	1	37	21.83	21.97	21.95	21.87	22.3
15	64QAM	1	74	18.05	17.97	18.08	17.79	
15	64QAM	36	0	21.09	21.03	21.11	21.04	
15	64QAM	36	20	20.93	20.99	20.86	20.82	21.3
15	64QAM	36	39	20.95	20.99	21.04	20.84	
15	64QAM	75	0	16.13	16.03	16.08	15.68	16.3
15	256QAM	1	0	14.99	14.88	14.92	14.63	
15	256QAM	1	37	18.79	19.02	18.93	18.84	19.3
15	256QAM	1	74	14.87	14.85	14.92	14.65	
15	256QAM	36	0	18.85	18.97	18.99	18.81	
15	256QAM	36	20	18.88	18.96	19.04	18.81	19.3
15	256QAM	36	39	18.96	18.82	18.98	18.95	
15	256QAM	75	0	16.18	16.06	16.14	15.73	16.3
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.90	19.78	19.93	19.52	23.3
10	QPSK	1	25	22.87	22.94	22.86	22.97	
10	QPSK	1	49	19.92	19.82	19.95	19.56	
10	QPSK	25	0	22.76	22.74	22.87	22.63	
10	QPSK	25	12	22.78	22.87	22.84	22.87	23.3
10	QPSK	25	25	22.73	22.81	22.84	22.81	
10	QPSK	50	0	18.03	18.01	17.92	17.69	18.3
10	16QAM	1	0	19.00	18.94	18.90	18.67	
10	16QAM	1	25	22.75	22.93	22.87	22.81	23.3
10	16QAM	1	49	19.03	18.96	18.97	18.77	
10	16QAM	25	0	21.99	22.13	22.09	22.15	
10	16QAM	25	12	21.87	21.98	21.96	21.85	22.3
10	16QAM	25	25	21.88	22.06	21.80	22.03	
10	16QAM	50	0	16.97	17.03	17.01	16.74	17.3
10	64QAM	1	0	18.11	18.06	18.19	17.89	
10	64QAM	1	25	21.83	22.04	21.96	21.92	22.3
10	64QAM	1	49	18.01	18.06	18.15	17.79	
10	64QAM	25	0	20.98	21.03	21.09	20.96	
10	64QAM	25	12	20.94	20.94	20.86	20.85	21.3
10	64QAM	25	25	20.96	21.12	20.98	20.93	
10	64QAM	50	0	16.07	16.03	16.03	15.73	16.3
10	256QAM	1	0	14.96	14.92	14.99	14.64	
10	256QAM	1	25	18.92	19.01	18.97	18.74	19.3
10	256QAM	1	49	14.92	14.93	14.93	14.64	
10	256QAM	25	0	18.90	18.95	18.95	18.87	
10	256QAM	25	12	18.91	18.90	19.03	18.92	19.3
10	256QAM	25	25	18.93	18.93	19.01	18.85	
10	256QAM	50	0	16.14	16.07	16.12	15.81	16.3
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.95	19.76	19.93	19.59	23.3
5	QPSK	1	12	22.89	23.03	22.98	22.98	
5	QPSK	1	24	19.87	19.87	19.83	19.53	
5	QPSK	12	0	22.72	22.76	22.81	22.64	
5	QPSK	12	7	22.87	22.90	22.88	22.85	23.3
5	QPSK	12	13	22.82	22.87	22.81	22.81	
5	QPSK	25	0	18.00	18.03	17.99	17.71	18.3
5	16QAM	1	0	19.03	18.86	18.91	18.63	
5	16QAM	1	12	22.82	22.98	22.94	22.81	23.3
5	16QAM	1	24	19.04	18.97	19.01	18.64	
5	16QAM	12	0	21.98	22.14	21.97	22.04	
5	16QAM	12	7	21.91	22.02	22.00	21.88	22.3
5	16QAM	12	13	21.86	21.96	21.79	21.94	
5	16QAM	25	0	17.07	16.95	17.09	16.69	17.3
5	64QAM	1	0	18.08	18.03	18.14	17.76	
5	64QAM	1	12	21.82	21.98	22.02	21.85	22.3
5	64QAM	1	24	18.02	17.97	18.07	17.77	
5	64QAM	12	0	21.01	21.14	21.12	20.91	
5	64QAM	12	7	20.96	21.02	20.80	20.81	21.3
5	64QAM	12	13	20.93	21.02	21.02	20.86	
5	64QAM	25	0	16.12	15.95	16.05	15.72	16.3
5	256QAM	1	0	14.99	14.86	14.96	14.55	
5	256QAM	1	12	18.87	19.02	18.97	18.83	19.3
5	256QAM	1	24	14.99	14.89	14.91	14.57	
5	256QAM	12	0	18.89	18.96	18.94	18.88	
5	256QAM	12	7	18.95	19.00	19.01	18.88	19.3
5	256QAM	12	13	18.97	18.87	18.97	18.90	
5	256QAM	25	0	16.05	16.02	16.12	15.83	16.3

Band 48_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.48	20.52	20.57	20.29	24.3
20	QPSK	1	49	23.58	24.00	23.85	23.94	
20	QPSK	1	99	20.59	20.63	20.64	20.39	
20	QPSK	50	0	23.44	23.50	23.49	23.39	
20	QPSK	50	24	23.49	23.56	23.53	23.45	23.8
20	QPSK	50	50	23.43	23.43	23.42	23.44	
20	QPSK	100	0	18.34	18.45	18.41	18.22	19
20	16QAM	1	0	19.55	19.58	19.60	19.37	
20	16QAM	1	49	23.49	23.46	23.42	23.36	23.8
20	16QAM	1	99	19.57	19.61	19.68	19.38	
20	16QAM	50	0	22.37	22.47	22.53	22.34	
20	16QAM	50	24	22.44	22.51	22.44	22.42	22.8
20	16QAM	50	50	22.39	22.44	22.47	22.38	
20	16QAM	100	0	17.61	17.69	17.69	17.42	18
20	64QAM	1	0	18.62	18.70	18.73	18.45	
20	64QAM	1	49	22.35	22.55	22.45	22.38	22.8
20	64QAM	1	99	18.66	18.73	18.75	18.50	
20	64QAM	50	0	21.35	21.55	21.45	21.38	
20	64QAM	50	24	21.35	21.55	21.45	21.38	21.8
20	64QAM	50	50	21.35	21.55	21.45	21.38	
20	64QAM	100	0	16.67	16.72	16.76	16.48	17
20	256QAM	1	0	15.36	15.43	15.49	15.19	
20	256QAM	1	49	19.43	19.53	19.50	19.38	19.8
20	256QAM	1	99	15.60	15.60	15.68	15.39	
20	256QAM	50	0	19.39	19.52	19.56	19.40	
20	256QAM	50	24	19.48	19.48	19.50	19.42	19.8
20	256QAM	50	50	19.44	19.51	19.45	19.36	
20	256QAM	100	0	16.65	16.66	16.69	16.45	17
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.42	20.39	20.54	20.28	24.3
15	QPSK	1	37	23.95	23.93	23.80	23.91	
15	QPSK	1	74	20.54	20.58	20.59	20.30	
15	QPSK	36	0	23.34	23.47	23.46	23.38	
15	QPSK	36	20	23.45	23.63	23.48	23.31	23.8
15	QPSK	36	39	23.28	23.37	23.36	23.31	
15	QPSK	75	0	18.54	18.62	18.58	18.43	19
15	16QAM	1	0	19.43	19.53	19.47	19.35	
15	16QAM	1	37	23.41	23.39	23.32	23.27	23.8
15	16QAM	1	74	19.51	19.48	19.66	19.27	
15	16QAM	36	0	22.22	22.35	22.41	22.29	
15	16QAM	36	20	22.41	22.45	22.37	22.38	22.8
15	16QAM	36	39	22.30	22.36	22.46	22.37	
15	16QAM	75	0	17.46	17.61	17.54	17.35	18
15	64QAM	1	0	18.59	18.66	18.59	18.41	
15	64QAM	1	37	22.33	22.48	22.43	22.24	22.8
15	64QAM	1	74	18.57	18.69	18.67	18.41	
15	64QAM	36	0	21.33	21.40	21.36	21.35	
15	64QAM	36	20	21.32	21.43	21.31	21.30	21.8
15	64QAM	36	39	21.24	21.43	21.42	21.27	
15	64QAM	75	0	16.66	16.62	16.75	16.38	17
15	256QAM	1	0	15.21	15.42	15.41	15.13	
15	256QAM	1	37	19.32	19.52	19.46	19.35	19.8
15	256QAM	1	74	15.48	15.48	15.54	15.36	
15	256QAM	36	0	19.27	19.41	19.50	19.33	
15	256QAM	36	20	19.38	19.39	19.46	19.39	19.8
15	256QAM	36	39	19.41	19.38	19.33	19.30	
15	256QAM	75	0	16.58	16.62	16.54	16.43	17
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.35	20.45	20.46	20.22	24.3
10	QPSK	1	25	23.94	23.89	23.90	23.80	
10	QPSK	1	49	20.44	20.52	20.61	20.33	
10	QPSK	25	0	23.38	23.38	23.39	23.38	
10	QPSK	25	12	23.40	23.39	23.48	23.39	23.8
10	QPSK	25	25	23.28	23.39	23.27	23.38	
10	QPSK	50	0	18.55	18.63	18.64	18.38	19
10	16QAM	1	0	19.49	19.46	19.56	19.31	
10	16QAM	1	25	23.37	23.36	23.29	23.24	23.8
10	16QAM	1	49	19.49	19.59	19.53	19.36	
10	16QAM	25	0	22.31	22.41	22.48	22.30	
10	16QAM	25	12	22.39	22.49	22.51	22.27	22.8
10	16QAM	25	25	22.31	22.32	22.32	22.28	
10	16QAM	50	0	17.55	17.68	17.61	17.27	18
10	64QAM	1	0	18.51	18.58	18.70	18.33	
10	64QAM	1	25	22.31	22.33	22.38	22.34	22.8
10	64QAM	1	49	18.52	18.59	18.60	18.46	
10	64QAM	25	0	21.20	21.46	21.44	21.26	
10	64QAM	25	12	21.25	21.40	21.41	21.33	21.8
10	64QAM	25	25	21.23	21.30	21.30	21.36	
10	64QAM	50	0	16.54	16.68	16.65	16.40	17
10	256QAM	1	0	15.30	15.39	15.38	15.13	
10	256QAM	1	25	19.42	19.51	19.46	19.37	19.8
10	256QAM	1	49	15.46	15.47	15.66	15.35	
10	256QAM	25	0	19.36	19.38	19.46	19.26	
10	256QAM	25	12	19.37	19.46	19.43	19.36	19.8
10	256QAM	25	25	19.39	19.43	19.34	19.34	
10	256QAM	50	0	16.63	16.57	16.54	16.30	17
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.43	20.45	20.49	20.28	24.3
5	QPSK	1	12	23.96	23.93	23.92	23.91	
5	QPSK	1	24	20.50	20.51	20.49	20.32	
5	QPSK	12	0	23.40	23.39	23.48	23.29	
5	QPSK	12	7	23.

Reduced Power Mode for DSI5

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.75	32.80	32.77	**34.00**	23.75	23.80	23.77	25.00
GPRS 1 Tx slot		32.72	32.77	32.69	**34.00**	23.72	23.77	23.69	25.00
GPRS 2 Tx slots		29.83	29.70	29.68	**31.00**	23.83	23.70	23.68	25.00
GPRS 3 Tx slots		27.88	27.93	27.85	**29.20**	23.62	23.67	23.59	24.94
GPRS 4 Tx slots		27.15	26.68	26.70	**28.50**	24.15	23.68	23.70	25.50
EDGE(GMSK 1 Tx slot)		32.57	32.75	32.54	**34.00**	23.57	23.75	23.54	25.00
EDGE(GMSK 2 Tx slot)		29.68	29.55	29.63	**31.00**	23.68	23.55	23.63	25.00
EDGE(GMSK 3 Tx slot)		27.73	27.91	27.71	**29.20**	23.47	23.65	23.45	24.94
EDGE(GMSK 4 Tx slot)		27.05	26.66	26.55	**28.50**	24.05	23.66	23.55	25.50
EDGE 1 Tx slot		26.95	26.77	26.82	**28.00**	17.95	17.77	17.82	19.00
EDGE 2 Tx slots		23.85	23.79	23.70	**25.00**	17.85	17.79	17.70	19.00
EDGE 3 Tx slots		22.08	21.68	21.66	**23.50**	17.82	17.42	17.40	19.24
EDGE 4 Tx slots		21.00	20.66	20.69	**22.50**	18.00	17.66	17.69	19.50
DTM Multi-slot class 5	GSM 1 Tx slot	29.54	29.44	29.58	**31.00**	23.56	23.44	23.57	24.98
	GPRS 1 Tx slot	29.62	29.48	29.60	**31.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.55	29.41	29.50	**31.00**	23.55	23.43	23.49	24.98
	GPRS 1 Tx slot	29.59	29.49	29.53	**31.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.59	27.76	27.56	**29.20**	23.35	23.56	23.31	24.94
	GPRS 2 Tx slots	27.62	27.85	27.58	**29.20**				
DTM Multi-slot class 5	GSM 1 Tx slot	29.61	29.48	29.51	**31.00**	21.59	21.46	21.48	22.94
	EDGE 1 Tx slot	23.80	23.66	23.64	**25.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	29.60	29.46	29.54	**31.00**	21.57	21.44	21.49	22.94
	EDGE 1 Tx slot	23.72	23.66	23.57	**25.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	27.60	27.83	27.60	**29.20**	20.46	20.50	20.32	22.04
	EDGE 2 Tx slots	21.96	21.62	21.55	**23.50**				

GSM1900_Ant 5		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.66	30.60	30.77	**31.50**	21.66	21.60	21.77	22.50
GPRS 1 Tx slot		30.63	30.57	30.72	**31.50**	21.63	21.57	21.72	22.50
GPRS 2 Tx slots		27.00	26.97	26.92	**28.00**	21.00	20.97	20.92	22.00
GPRS 3 Tx slots		25.22	25.28	25.52	**26.50**	20.96	21.02	21.26	22.24
GPRS 4 Tx slots		24.20	24.30	24.55	**25.50**	21.20	21.30	21.55	22.50
EDGE(GMSK 1 Tx slot)		30.48	30.46	30.63	**31.50**	21.48	21.46	21.63	22.50
EDGE(GMSK 2 Tx slot)		26.99	26.87	26.86	**28.00**	20.99	20.87	20.86	22.00
EDGE(GMSK 3 Tx slot)		25.08	25.26	25.41	**26.50**	20.82	21.00	21.15	22.24
EDGE(GMSK 4 Tx slot)		24.06	24.15	24.53	**25.50**	21.06	21.15	21.53	22.50
EDGE 1 Tx slot		26.20	26.15	26.12	**27.00**	17.20	17.15	17.12	18.00
EDGE 2 Tx slots		23.10	23.22	23.18	**24.00**	17.10	17.22	17.18	18.00
EDGE 3 Tx slots		21.88	22.00	21.92	**22.80**	17.62	17.74	17.66	18.54
EDGE 4 Tx slots		21.65	21.70	21.64	**22.60**	18.65	18.70	18.64	19.60
DTM Multi-slot class 5	GSM 1 Tx slot	26.86	26.74	26.76	**28.00**	20.86	20.74	20.77	21.98
	GPRS 1 Tx slot	26.91	26.79	26.82	**28.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.87	26.72	26.76	**28.00**	20.85	20.74	20.75	21.98
	GPRS 1 Tx slot	26.88	26.81	26.79	**28.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	24.96	25.11	25.34	**26.50**	20.72	20.88	21.14	22.24
	GPRS 2 Tx slots	24.99	25.16	25.43	**26.50**				
DTM Multi-slot class 5	GSM 1 Tx slot	26.87	26.80	26.79	**28.00**	19.33	19.31	19.31	20.42
	EDGE 1 Tx slot	23.00	23.09	23.11	**24.00**				
DTM Multi-slot class 9	GSM 1 Tx slot	26.88	26.78	26.80	**28.00**	19.35	19.30	19.30	20.42
	EDGE 1 Tx slot	23.04	23.12	23.07	**24.00**				
DTM Multi-slot class 11	GSM 1 Tx slot	25.00	25.13	25.29	**26.50**	18.87	18.98	19.03	20.15
	EDGE 2 Tx slots	21.76	21.85	21.79	**22.80**				

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.27	19.29	19.26	**20.80**	21.09	21.19	21.22	**22.00**
3GPP Rel 99	RMC 12.2Kbps	19.35	19.40	19.32	**20.80**	21.22	21.33	21.25	**22.00**
3GPP Rel 6	HSDPA Subtest-1	18.43	18.51	18.54	**19.80**	20.35	20.43	20.36	**21.00**
3GPP Rel 6	HSDPA Subtest-2	18.56	18.53	18.52	**19.80**	20.50	20.41	20.43	**21.00**
3GPP Rel 6	HSDPA Subtest-3	17.94	18.02	18.00	**19.30**	19.91	19.94	19.92	**20.50**
3GPP Rel 6	HSDPA Subtest-4	18.00	18.07	18.01	**19.30**	19.89	19.90	19.91	**20.50**
3GPP Rel 8	DC-HSDPA Subtest-1	18.41	18.39	18.45	**19.80**	20.32	20.31	20.26	**21.00**
3GPP Rel 8	DC-HSDPA Subtest-2	18.39	18.55	18.33	**19.80**	20.29	20.38	20.31	**21.00**
3GPP Rel 8	DC-HSDPA Subtest-3	17.93	17.95	17.92	**19.30**	19.85	19.95	19.82	**20.50**
3GPP Rel 8	DC-HSDPA Subtest-4	17.84	17.89	17.79	**19.30**	19.81	19.89	19.81	**20.50**
3GPP Rel 6	HSUPA Subtest-1	18.44	18.65	18.54	**19.80**	20.44	20.45	20.46	**21.00**
3GPP Rel 6	HSUPA Subtest-2	16.41	16.55	16.59	**17.80**	18.40	18.55	18.50	**19.00**
3GPP Rel 6	HSUPA Subtest-3	17.51	17.58	17.56	**18.80**	19.40	19.54	19.41	**20.00**
3GPP Rel 6	HSUPA Subtest-4	16.41	16.60	16.50	**17.80**	18.41	18.52	18.46	**19.00**
3GPP Rel 6	HSUPA Subtest-5	18.36	18.69	18.69	**19.80**	20.41	20.52	20.41	**21.00**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.42	16.48	16.39	**17.80**	18.40	18.42	18.23	**19.00**

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.65	21.66	21.62	**22.30**	22.73	22.75	22.69	**23.50**
3GPP Rel 99	RMC 12.2Kbps	21.69	21.75	21.70	**22.30**	22.77	22.82	22.73	**23.50**
3GPP Rel 6	HSDPA Subtest-1	20.98	20.96	20.88	**21.30**	22.01	21.94	22.00	**22.50**
3GPP Rel 6	HSDPA Subtest-2	20.93	20.99	20.92	**21.30**	21.92	21.93	22.03	**22.50**
3GPP Rel 6	HSDPA Subtest-3	20.39	20.47	20.40	**20.80**	21.41	21.54	21.43	**22.00**
3GPP Rel 6	HSDPA Subtest-4	20.41	20.47	20.30	**20.80**	21.47	21.39	21.50	**22.00**
3GPP Rel 8	DC-HSDPA Subtest-1	20.81	20.76	20.81	**21.30**	21.82	21.81	21.88	**22.50**
3GPP Rel 8	DC-HSDPA Subtest-2	20.80	20.88	20.84	**21.30**	21.95	21.99	21.83	**22.50**
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.26	20.24	**20.80**	21.29	21.40	21.34	**22.00**
3GPP Rel 8	DC-HSDPA Subtest-4	20.36	20.42	20.29	**20.80**	21.37	21.30	21.34	**22.00**
3GPP Rel 6	HSUPA Subtest-1	20.85	20.91	20.92	**21.30**	21.90	21.97	22.00	**22.50**
3GPP Rel 6	HSUPA Subtest-2	18.89	19.00	18.98	**19.30**	19.95	20.05	19.96	**20.50**
3GPP Rel 6	HSUPA Subtest-3	19.95	19.90	19.97	**20.30**	20.91	20.99	21.09	**21.50**
3GPP Rel 6	HSUPA Subtest-4	18.89	18.94	18.85	**19.30**	20.03	20.00	20.00	**20.50**
3GPP Rel 6	HSUPA Subtest-5	20.89	20.86	20.97	**21.30**	21.99	22.01	22.01	**22.50**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.76	18.88	18.78	**19.30**	19.91	19.75	19.93	**20.50**

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.68	20.75	20.59	**21.80**	24.15	24.12	24.05	**24.80**
3GPP Rel 99	RMC 12.2Kbps	20.75	20.77	20.72	**21.80**	24.17	24.20	24.13	**24.80**
3GPP Rel 6	HSDPA Subtest-1	19.81	19.72	19.52	**20.80**	23.04	22.97	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-2	19.80	19.62	19.52	**20.80**	23.06	22.94	22.88	**23.80**
3GPP Rel 6	HSDPA Subtest-3	19.21	19.17	19.13	**20.30**	22.57	22.44	22.40	**23.30**
3GPP Rel 6	HSDPA Subtest-4	19.28	19.23	19.06	**20.30**	22.54	22.44	22.39	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-1	19.64	19.66	19.48	**20.80**	22.89	22.84	22.74	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-2	19.75	19.46	19.54	**20.80**	23.01	22.83	22.83	**23.80**
3GPP Rel 8	DC-HSDPA Subtest-3	19.21	18.96	18.96	**20.30**	22.50	22.36	22.28	**23.30**
3GPP Rel 8	DC-HSDPA Subtest-4	19.15	19.11	18.94	**20.30**	22.40	22.29	22.31	**23.30**
3GPP Rel 6	HSUPA Subtest-1	19.60	19.65	19.55	**20.80**	23.01	22.95	22.89	**23.80**
3GPP Rel 6	HSUPA Subtest-2	17.66	17.68	17.61	**18.80**	21.03	20.91	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-3	18.66	18.63	18.61	**19.80**	22.01	21.96	21.86	**22.80**
3GPP Rel 6	HSUPA Subtest-4	17.64	17.71	17.55	**18.80**	21.01	20.90	20.89	**21.80**
3GPP Rel 6	HSUPA Subtest-5	19.27	19.56	19.59	**20.80**	23.00	22.90	22.90	**23.80**
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.53	17.54	17.38	**18.80**	20.96	20.79	20.76	**21.80**

Band 2_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.02	21.21	21.09	
20	QPSK	1	49	21.16	21.24	21.13	22
20	QPSK	1	99	21.10	21.17	21.05	
20	QPSK	50	0	21.12	21.10	21.05	
20	QPSK	50	24	21.14	21.20	21.12	22
20	QPSK	50	50	21.06	21.12	21.07	
20	QPSK	100	0	21.05	21.18	21.08	
20	16QAM	1	0	21.06	21.14	21.10	
20	16QAM	1	49	21.10	21.20	21.08	22
20	16QAM	1	99	21.10	21.23	21.00	
20	16QAM	50	0	21.08	21.19	21.01	
20	16QAM	50	24	21.01	21.21	20.98	22
20	16QAM	50	50	20.97	21.14	21.07	
20	16QAM	100	0	21.02	21.18	21.00	
20	64QAM	1	0	21.09	21.18	20.98	
20	64QAM	1	49	21.04	21.17	20.99	22
20	64QAM	1	99	21.12	21.11	21.04	
20	64QAM	50	0	21.01	21.03	20.98	
20	64QAM	50	24	20.93	21.16	20.88	22
20	64QAM	50	50	21.00	21.05	20.84	
20	64QAM	100	0	20.90	21.06	20.86	
20	256QAM	1	0	19.17	19.15	19.20	
20	256QAM	1	49	19.15	19.00	19.18	20
20	256QAM	1	99	19.05	19.06	19.14	
20	256QAM	50	0	19.06	19.09	19.08	
20	256QAM	50	24	19.14	19.11	19.16	20
20	256QAM	50	50	19.09	19.03	19.09	
20	256QAM	100	0	19.10	19.08	19.05	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.01	21.16	21.00	
15	QPSK	1	37	21.05	21.20	21.05	22
15	QPSK	1	74	21.03	21.06	20.97	
15	QPSK	36	0	21.02	21.09	20.97	
15	QPSK	36	20	21.02	21.13	20.98	22
15	QPSK	36	39	21.04	20.99	21.03	
15	QPSK	75	0	20.98	21.06	21.06	
15	QPSK	75	39	20.94	21.13	20.95	
15	16QAM	1	37	20.98	21.16	20.94	22
15	16QAM	1	74	21.00	21.22	20.90	
15	16QAM	36	0	21.00	21.12	21.00	
15	16QAM	36	20	20.86	21.10	20.84	22
15	16QAM	36	39	21.08	21.10	21.02	
15	16QAM	75	0	20.97	21.06	20.85	
15	64QAM	1	0	21.06	21.16	20.85	
15	64QAM	1	37	21.01	21.10	20.93	22
15	64QAM	1	74	21.05	21.02	20.92	
15	64QAM	36	0	20.96	21.02	20.88	
15	64QAM	36	20	20.90	21.07	20.83	22
15	64QAM	36	39	20.88	20.93	20.72	
15	64QAM	75	0	20.88	21.07	20.73	
15	256QAM	1	0	19.02	19.11	19.13	
15	256QAM	1	37	19.01	18.99	19.04	20
15	256QAM	1	74	18.95	18.97	19.07	
15	256QAM	36	0	19.03	18.94	18.94	
15	256QAM	36	20	19.09	18.98	19.06	20
15	256QAM	36	39	19.01	18.97	19.00	
15	256QAM	75	0	19.03	19.00	18.93	
18650				18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.89	21.08	21.08	
10	QPSK	1	25	21.04	21.10	21.07	22
10	QPSK	1	49	21.00	21.13	20.91	
10	QPSK	25	0	21.01	21.02	20.95	
10	QPSK	25	12	21.03	21.05	21.07	22
10	QPSK	25	25	21.00	21.11	21.06	
10	QPSK	50	0	21.00	21.15	21.07	
10	16QAM	1	0	21.01	21.03	21.05	
10	16QAM	1	25	20.97	21.15	21.02	22
10	16QAM	1	49	20.98	21.13	20.97	
10	16QAM	25	0	21.06	21.12	20.93	
10	16QAM	25	12	20.93	21.13	20.94	22
10	16QAM	25	25	20.96	21.12	20.92	
10	16QAM	50	0	20.94	21.17	20.89	
10	64QAM	1	0	21.08	21.17	20.91	
10	64QAM	1	25	20.96	21.13	20.92	22
10	64QAM	1	49	20.99	21.02	20.93	
10	64QAM	25	0	20.86	20.92	20.87	
10	64QAM	25	12	20.90	21.01	20.87	22
10	64QAM	25	25	20.86	20.95	20.77	
10	64QAM	50	0	20.81	20.94	20.78	
10	256QAM	1	0	19.13	19.10	19.16	
10	256QAM	1	25	19.06	18.87	19.13	20
10	256QAM	1	49	19.04	19.00	18.99	
10	256QAM	25	0	19.03	18.99	19.00	
10	256QAM	25	12	19.03	18.96	19.02	20
10	256QAM	25	25	19.01	18.97	19.05	
10	256QAM	50	0	19.04	18.97	19.03	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.00	21.16	21.06	
5	QPSK	1	12	21.05	21.18	21.03	22
5	QPSK	1	24	21.01	21.03	20.99	
5	QPSK	12	0	21.02	21.07	20.96	
5	QPSK	12	7	21.10	21.15	20.98	22
5	QPSK	12	13	20.99	21.11	21.00	
5	QPSK	25	0	20.93	21.05	21.05	
5	16QAM	1	0	20.99	21.04	21.08	
5	16QAM	1	12	21.03	21.11	21.03	22
5	16QAM	1	24	20.98	21.17	20.94	
5	16QAM	12	0	20.93	21.18	20.87	
5	16QAM	12	7	20.97	21.08	20.96	22
5	16QAM	12	13	21.04	21.03	21.02	
5	16QAM	25	0	20.92	21.07	20.96	
5	64QAM	1	0	21.01	21.13	20.86	
5	64QAM	1	12	20.94	21.02	20.91	22
5	64QAM	1	24	21.05	21.09	21.01	
5	64QAM	12	0	20.97	20.92	20.89	
5	64QAM	12	7	20.79	21.02	20.74	22
5	64QAM	12	13	20.93	20.92	20.83	
5	64QAM	25	0	20.80	21.00	20.72	
5	256QAM	1	0	19.16	19.11	19.12	
5	256QAM	1	12	19.06	18.87	19.06	20
5	256QAM	1	24	18.99	19.04	19.04	
5	256QAM	12	0	18.91	19.02	19.06	
5	256QAM	12	7	19.05	19.08	19.01	20
5	256QAM	12	13	19.05	18.90	18.94	
5	256QAM	25	0	19.07	18.95	19.03	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.98	21.20	21.00	
3	QPSK	1	8	21.14	21.19	21.09	22
3	QPSK	1	14	20.99	21.07	20.96	
3	QPSK	8	0	21.05	21.09	20.99	
3	QPSK	8	4	21.07	21.14	21.09	22
3	QPSK	8	7	20.97	21.06	20.95	
3	QPSK	15	0	20.99	21.09	21.05	
3	16QAM	1	0	20.91	21.08	21.01	
3	16QAM	1	8	21.02	21.10	20.97	22
3	16QAM	1	14	21.06	21.08	20.87	
3	16QAM	8	0	21.02	21.11	20.96	
3	16QAM	8	4	20.98	21.12	20.92	22
3	16QAM	8	7	21.04	21.07	21.03	
3	16QAM	15	0	20.87	21.04	20.95	
3	64QAM	1	0	21.00	21.03	20.95	
3	64QAM	1	8	21.00	21.11	20.85	22
3	64QAM	1	14	21.00	21.08	21.02	
3	64QAM	8	0	20.97	20.92	20.83	
3	64QAM	8	4	20.81	21.12	20.87	22
3	64QAM	8	7	20.93	20.98	20.73	
3	64QAM	15	0	20.78	20.97	20.81	
3	256QAM	1	0	19.06	19.04	19.09	
3	256QAM	1	8	19.08	18.92	19.11	20
3	256QAM	1	14	18.91	18.98	19.08	
3	256QAM	8	0	18.91	19.08	18.99	
3	256QAM	8	4	19.00	19.05	19.08	20
3	256QAM	8	7	18.97	18.91	18.97	
3	256QAM	15	0	19.00	18.94	18.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.91	21.14	21.07	
1.4	QPSK	1	3	21.15	21.21	20.99	
1.4	QPSK	1	5	20.96	21.03	20.98	22
1.4	QPSK	3	0	21.11	21.02	21.00	
1.4	QPSK	3	1	21.03	21.14	21.09	
1.4	QPSK	3	3	21.02	21.11	20.93	
1.4	QPSK	6	0	20.92	21.08	20.98	22
1.4	16QAM	1	0	20.92	20.99	20.96	
1.4	16QAM	1	3	21.03	21.15	20.98	
1.4	16QAM	1	5	21.04	21.20	20.96	22
1.4	16QAM	3	0	20.94	21.15	21.00	
1.4	16QAM	3	1	20.92	21.13	20.97	
1.4	16QAM	3	3	21.06	21.13	20.99	
1.4	16QAM	6	0	20.92	21.08	20.99	22
1.4	64QAM	1	0	21.05	21.03	20.93	
1.4	64QAM	1	3	21.01	21.03	20.96	
1.4	64QAM	1	5	21.07	21.00	20.94	22
1.4	64QAM	3	0	20.94	21.13	20.92	
1.4	64QAM	3	1	21.06	21.03	20.94	
1.4	64QAM	3	3	20.99	21.10	20.98	
1.4	64QAM	6	0	20.98	21.16	20.90	22
1.4	256QAM	1	0	19.11	19.14	19.17	
1.4	256QAM	1	3	19.11	18.95	19.11	
1.4	256QAM	1	5	19.00	18.96	19.10	20
1.4	256QAM	3	0	18.98	18.99	19.03	
1.4	256QAM	3	1	19.07	19.02	19.11	
1.4	256QAM	3	3	18.98	18.89	19.08	
1.4	256QAM	6	0	19.07	19.05	18.99	20

Band 2_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)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.43	19.55	19.35	
20	QPSK	1	49	19.48	19.57	19.50	20.3
20	QPSK	1	99	19.33	19.46	19.37	
20	QPSK	50	0	19.41	19.45	19.37	
20	QPSK	50	24	19.45	19.53	19.47	20.3
20	QPSK	50	50	19.38	19.51	19.40	
20	QPSK	100	0	19.38	19.45	19.43	
20	16QAM	1	0	19.41	19.53	19.39	
20	16QAM	1	49	19.36	19.55	19.47	20.3
20	16QAM	1	99	19.38	19.48	19.48	
20	16QAM	50	0	19.33	19.55	19.48	
20	16QAM	50	24	19.34	19.42	19.49	20.3
20	16QAM	50	50	19.43	19.50	19.46	
20	16QAM	100	0	19.33	19.53	19.43	
20	64QAM	1	0	19.47	19.50	19.35	
20	64QAM	1	49	19.41	19.48	19.37	20.3
20	64QAM	1	99	19.44	19.55	19.44	
20	64QAM	50	0	19.36	19.54	19.38	
20	64QAM	50	24	19.38	19.43	19.39	20.3
20	64QAM	50	50	19.34	19.54	19.38	
20	64QAM	100	0	19.43	19.48	19.37	
20	256QAM	1	0	19.08	19.07	19.14	
20	256QAM	1	49	19.03	18.94	19.16	19.8
20	256QAM	1	99	18.91	18.99	19.08	
20	256QAM	50	0	18.95	18.96	18.93	
20	256QAM	50	24	19.12	19.05	19.04	19.8
20	256QAM	50	50	19.02	18.91	19.03	
20	256QAM	100	0	18.97	19.02	18.92	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.28	19.45	19.32	
15	QPSK	1	37	19.39	19.44	19.40	20.3
15	QPSK	1	74	19.21	19.34	19.27	
15	QPSK	36	0	19.38	19.48	19.33	
15	QPSK	36	20	19.38	19.48	19.33	20.3
15	QPSK	36	39	19.27	19.36	19.32	
15	QPSK	75	0	19.33	19.36	19.32	
15	QPSK	75	39	19.26	19.42	19.30	
15	16QAM	1	37	19.25	19.40	19.41	20.3
15	16QAM	1	74	19.25	19.37	19.39	
15	16QAM	36	0	19.19	19.54	19.41	
15	16QAM	36	20	19.22	19.28	19.38	20.3
15	16QAM	36	39	19.35	19.44	19.31	
15	16QAM	75	0	19.21	19.47	19.31	
15	64QAM	1	0	19.35	19.38	19.32	
15	64QAM	1	37	19.30	19.40	19.36	20.3
15	64QAM	1	74	19.38	19.44	19.33	
15	64QAM	36	0	19.25	19.47	19.34	
15	64QAM	36	20	19.37	19.38	19.32	20.3
15	64QAM	36	39	19.23	19.46	19.31	
15	64QAM	75	0	19.38	19.45	19.36	
15	256QAM	1	0	19.05	19.08	19.08	
15	256QAM	1	37	19.01	18.99	19.04	19.8
15	256QAM	1	74	18.91	18.97	19.03	
15	256QAM	36	0	19.01	18.97	19.04	
15	256QAM	36	20	19.05	19.03	19.04	19.8
15	256QAM	36	39	18.94	18.96	19.00	
15	256QAM	75	0	18.96	18.93	19.03	
18650				18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.41	19.52	19.24	
10	QPSK	1	25	19.36	19.56	19.43	20.3
10	QPSK	1	49	19.30	19.37	19.36	
10	QPSK	25	0	19.29	19.38	19.33	
10	QPSK	25	12	19.36	19.48	19.39	20.3
10	QPSK	25	25	19.26	19.48	19.39	
10	QPSK	50	0	19.29	19.31	19.42	
10	16QAM	1	0	19.33	19.50	19.32	
10	16QAM	1	25	19.29	19.51	19.39	20.3
10	16QAM	1	49	19.26	19.41	19.36	
10	16QAM	25	0	19.32	19.40	19.34	
10	16QAM	25	12	19.32	19.37	19.40	20.3
10	16QAM	25	25	19.34	19.40	19.32	
10	16QAM	50	0	19.20	19.46	19.42	
10	64QAM	1	0	19.35	19.39	19.24	
10	64QAM	1	25	19.32	19.42	19.29	20.3
10	64QAM	1	49	19.38	19.44	19.37	
10	64QAM	25	0	19.31	19.44	19.34	
10	64QAM	25	12	19.23	19.33	19.25	20.3
10	64QAM	25	25	19.32	19.43	19.34	
10	64QAM	50	0	19.39	19.42	19.35	
10	256QAM	1	0	19.15	19.02	19.06	
10	256QAM	1	25	19.04	18.91	19.05	19.8
10	256QAM	1	49	18.90	18.96	19.06	
10	256QAM	25	0	19.03	18.98	19.01	
10	256QAM	25	12	19.10	19.08	19.05	19.8
10	256QAM	25	25	19.08	18.90	18.98	
10	256QAM	50	0	19.04	18.97	18.91	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.36	19.50	19.26	
5	QPSK	1	12	19.39	19.53	19.37	20.3
5	QPSK	1	24	19.32	19.41	19.32	
5	QPSK	12	0	19.35	19.34	19.23	
5	QPSK	12	7	19.30	19.48	19.46	20.3
5	QPSK	12	13	19.28	19.45	19.30	
5	QPSK	25	0	19.26	19.36	19.28	
5	16QAM	1	0	19.26	19.51	19.32	
5	16QAM	1	12	19.24	19.53	19.38	20.3
5	16QAM	1	24	19.35	19.45	19.45	
5	16QAM	12	0	19.25	19.47	19.37	
5	16QAM	12	7	19.30	19.33	19.41	20.3
5	16QAM	12	13	19.26	19.47	19.31	
5	16QAM	25	0	19.21	19.51	19.35	
5	64QAM	1	0	19.39	19.37	19.26	
5	64QAM	1	12	19.30	19.38	19.28	20.3
5	64QAM	1	24	19.43	19.46	19.36	
5	64QAM	12	0	19.26	19.52	19.35	
5	64QAM	12	7	19.27	19.32	19.26	20.3
5	64QAM	12	13	19.22	19.41	19.37	
5	64QAM	25	0	19.41	19.47	19.31	
5	256QAM	1	0	19.16	19.09	19.19	
5	256QAM	1	12	19.07	18.94	19.10	19.8
5	256QAM	1	24	18.95	18.98	19.00	
5	256QAM	12	0	19.05	19.04	18.93	
5	256QAM	12	7	19.04	19.04	19.02	19.8
5	256QAM	12	13	18.98	18.90	19.00	
5	256QAM	25	0	19.08	18.90	19.01	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.39	19.40	19.30	
3	QPSK	1	8	19.47	19.55	19.47	20.3
3	QPSK	1	14	19.23	19.46	19.33	
3	QPSK	8	0	19.32	19.34	19.24	
3	QPSK	8	4	19.30	19.50	19.45	20.3
3	QPSK	8	7	19.34	19.43	19.30	
3	QPSK	15	0	19.30	19.49	19.29	
3	16QAM	1	0	19.39	19.50	19.32	
3	16QAM	1	8	19.32	19.44	19.42	20.3
3	16QAM	1	14	19.27	19.45	19.40	
3	16QAM	8	0	19.18	19.35	19.35	
3	16QAM	8	4	19.33	19.31	19.42	20.3
3	16QAM	8	7	19.28	19.45	19.45	
3	16QAM	15	0	19.31	19.51	19.40	
3	64QAM	1	0	19.36	19.41	19.31	
3	64QAM	1	8	19.38	19.39	19.24	20.3
3	64QAM	1	14	19.34	19.40	19.38	
3	64QAM	8	0	19.27	19.49	19.36	
3	64QAM	8	4	19.24	19.32	19.34	20.3
3	64QAM	8	7	19.28	19.48	19.23	
3	64QAM	15	0	19.35	19.37	19.31	
3	256QAM	1	0	19.05	19.11	19.19	
3	256QAM	1	8	19.11	18.85	19.09	19.8
3	256QAM	1	14	18.96	18.98	19.11	
3	256QAM	8	0	18.98	19.05	18.93	
3	256QAM	8	4	18.99	19.01	19.15	19.8
3	256QAM	8	7	19.02	18.93	19.04	
3	256QAM	15	0	19.04	18.95	18.97	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.38	19.40	19.21	
1.4	QPSK	1	3	19.40	19.53	19.35	
1.4	QPSK	1	5	19.30	19.40	19.33	20.3
1.4	QPSK	3	0	19.35	19.44	19.24	
1.4	QPSK	3	1	19.30	19.44	19.37	
1.4	QPSK	3	3	19.25	19.43	19.28	
1.4	QPSK	6	0	19.24	19.33	19.34	20.3
1.4	16QAM	1	0	19.28	19.48	19.24	
1.4	16QAM	1	3	19.24	19.50	19.46	
1.4	16QAM	1	5	19.24	19.33	19.42	20.3
1.4	16QAM	3	0	19.26	19.51	19.35	
1.4	16QAM	3	1	19.31	19.33	19.42	
1.4	16QAM	3	3	19.28	19.42	19.39	
1.4	16QAM	6	0	19.25	19.51	19.29	20.3
1.4	64QAM	1	0	19.35	19.42	19.25	
1.4	64QAM	1	3	19.34	19.35	19.25	
1.4	64QAM	1	5	19.38	19.42	19.42	20.3
1.4	64QAM	3	0	19.23	19.48	19.29	
1.4	64QAM	3	1	19.35	19.42	19.32	
1.4	64QAM	3	3	19.28	19.44	19.28	
1.4	64QAM	6	0	19.31	19.36	19.33	20.3
1.4	256QAM	1	0	19.13	19.13	19.14	
1.4	256QAM	1	3	19.14	18.87	19.12	
1.4	256QAM	1	5	18.96	18.95	19.13	19.8
1.4	256QAM	3	0	19.05	19.06	19.01	
1.4	256QAM	3	1	18.99	18.97	19.02	
1.4	256QAM	3	3	19.07	18.93	19.07	
1.4	256QAM	6	0	19.02	19.00	19.01	19.8

Band 2_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.43	19.52	19.36	
20	QPSK	1	49	19.54	19.58	19.43	20.5
20	QPSK	1	99	19.49	19.49	19.29	
20	QPSK	50	0	19.51	19.47	19.32	
20	QPSK	50	24	19.53	19.55	19.42	20.5
20	QPSK	50	50	19.42	19.49	19.40	
20	QPSK	100	0	19.39	19.45	19.35	
20	16QAM	1	0	19.45	19.53	19.34	
20	16QAM	1	49	19.49	19.57	19.32	20.5
20	16QAM	1	99	19.51	19.46	19.37	
20	16QAM	50	0	19.41	19.52	19.34	
20	16QAM	50	24	19.53	19.46	19.37	20.5
20	16QAM	50	50	19.39	19.51	19.31	
20	16QAM	100	0	19.48	19.49	19.39	
20	64QAM	1	0	19.39	19.55	19.31	
20	64QAM	1	49	19.44	19.54	19.36	20.5
20	64QAM	1	99	19.53	19.57	19.32	
20	64QAM	50	0	19.44	19.52	19.31	
20	64QAM	50	24	19.41	19.49	19.37	20.5
20	64QAM	50	50	19.41	19.53	19.41	
20	64QAM	100	0	19.49	19.55	19.32	
20	256QAM	1	0	18.72	18.78	18.71	
20	256QAM	1	49	18.70	18.73	18.70	19
20	256QAM	1	99	18.58	18.69	18.61	
20	256QAM	50	0	18.31	18.35	18.25	
20	256QAM	50	24	18.25	18.34	18.20	19
20	256QAM	50	50	18.15	18.23	18.22	
20	256QAM	100	0	18.24	18.27	18.26	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.42	19.43	19.32

Band 4_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.36	22.37	22.26	
20	QPSK	1	49	22.38	22.45	22.40	23.3
20	QPSK	1	99	22.34	22.44	22.29	
20	QPSK	50	0	22.32	22.32	22.37	
20	QPSK	50	24	22.42	22.43	22.39	23.3
20	QPSK	50	50	22.34	22.37	22.28	
20	QPSK	100	0	22.36	22.38	22.31	
20	16QAM	1	0	22.37	22.30	22.35	
20	16QAM	1	49	22.39	22.44	22.33	23.3
20	16QAM	1	99	22.23	22.30	22.28	
20	16QAM	50	0	22.00	22.07	21.92	
20	16QAM	50	24	21.96	22.16	22.10	22.8
20	16QAM	50	50	21.96	22.05	22.05	
20	16QAM	100	0	22.01	22.06	21.95	
20	64QAM	1	0	22.04	22.11	22.18	
20	64QAM	1	49	22.10	22.01	22.06	22.8
20	64QAM	1	99	22.00	21.88	22.02	
20	64QAM	50	0	20.97	21.14	20.99	
20	64QAM	50	24	21.08	21.04	20.98	21.8
20	64QAM	50	50	20.88	21.00	21.09	
20	64QAM	100	0	21.08	21.01	21.05	
20	256QAM	1	0	18.92	18.84	18.96	
20	256QAM	1	49	18.94	18.94	18.87	19.8
20	256QAM	1	99	18.93	18.92	18.89	
20	256QAM	50	0	18.81	18.83	18.85	
20	256QAM	50	24	18.84	18.91	18.93	19.8
20	256QAM	50	50	18.95	18.88	18.99	
20	256QAM	100	0	18.95	18.84	18.86	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.22	22.28	22.21	
15	QPSK	1	37	22.27	22.43	22.36	23.3
15	QPSK	1	74	22.20	22.29	22.20	
15	QPSK	36	0	22.24	22.24	22.22	
15	QPSK	36	20	22.30	22.37	22.36	23.3
15	QPSK	36	39	22.23	22.31	22.13	
15	QPSK	75	0	22.33	22.25	22.26	
15	QPSK	75	37	22.30	22.27	22.34	
15	16QAM	1	37	22.18	22.39	22.20	23.3
15	16QAM	1	74	22.12	22.23	22.24	
15	16QAM	36	0	21.93	22.05	21.84	
15	16QAM	36	20	21.91	22.04	22.01	22.8
15	16QAM	36	39	21.88	22.01	22.00	
15	16QAM	75	0	21.98	21.96	21.81	
15	64QAM	1	0	21.96	22.07	22.10	
15	64QAM	1	37	21.98	21.88	22.05	22.8
15	64QAM	1	74	21.85	21.81	21.91	
15	64QAM	36	0	20.90	21.01	20.93	
15	64QAM	36	20	20.98	20.99	20.96	21.8
15	64QAM	36	39	20.79	20.97	20.96	
15	64QAM	75	0	20.98	20.97	21.04	
15	256QAM	1	0	18.88	18.79	18.95	
15	256QAM	1	37	18.84	18.86	18.77	19.8
15	256QAM	1	74	18.80	18.81	18.83	
15	256QAM	36	0	18.71	18.83	18.77	
15	256QAM	36	20	18.78	18.86	18.90	19.8
15	256QAM	36	39	18.83	18.86	18.84	
15	256QAM	75	0	18.83	18.70	18.82	
20000	Channel			20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.35	22.26	22.15	
10	QPSK	1	25	22.34	22.30	22.34	23.3
10	QPSK	1	49	22.23	22.43	22.28	
10	QPSK	25	0	22.31	22.18	22.26	
10	QPSK	25	12	22.30	22.34	22.25	23.3
10	QPSK	25	25	22.24	22.25	22.25	
10	QPSK	50	0	22.24	22.24	22.19	
10	16QAM	1	0	22.26	22.16	22.24	
10	16QAM	1	25	22.25	22.38	22.31	23.3
10	16QAM	1	49	22.10	22.26	22.19	
10	16QAM	25	0	21.98	22.05	21.83	
10	16QAM	25	12	21.95	22.08	22.04	22.8
10	16QAM	25	25	21.91	21.93	21.90	
10	16QAM	50	0	21.87	21.95	21.84	
10	64QAM	1	0	22.00	22.05	22.03	
10	64QAM	1	25	22.02	21.88	21.94	22.8
10	64QAM	1	49	21.97	21.76	21.98	
10	64QAM	25	0	20.87	21.02	20.88	
10	64QAM	25	12	20.95	20.96	20.97	21.8
10	64QAM	25	25	20.83	20.85	20.83	
10	64QAM	50	0	20.92	20.94	20.99	
10	256QAM	1	0	18.89	18.69	18.82	
10	256QAM	1	25	18.88	18.91	18.80	19.8
10	256QAM	1	49	18.86	18.89	18.78	
10	256QAM	25	0	18.70	18.69	18.73	
10	256QAM	25	12	18.73	18.79	18.88	19.8
10	256QAM	25	25	18.80	18.85	18.92	
10	256QAM	50	0	18.84	18.81	18.73	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.32	22.24	22.19	
5	QPSK	1	12	22.24	22.35	22.27	23.3
5	QPSK	1	24	22.23	22.40	22.16	
5	QPSK	12	0	22.20	22.21	22.34	
5	QPSK	12	7	22.27	22.37	22.33	23.3
5	QPSK	12	13	22.33	22.25	22.15	
5	QPSK	25	0	22.24	22.37	22.19	
5	16QAM	1	0	22.26	22.22	22.20	
5	16QAM	1	12	22.20	22.43	22.23	23.3
5	16QAM	1	24	22.12	22.27	22.14	
5	16QAM	12	0	21.97	22.06	21.77	
5	16QAM	12	7	21.81	22.03	22.01	22.8
5	16QAM	12	13	21.99	22.03	21.94	
5	16QAM	25	0	21.96	21.95	21.91	
5	64QAM	1	0	22.02	22.01	22.11	
5	64QAM	1	12	22.02	21.92	21.94	22.8
5	64QAM	1	24	21.91	21.80	21.88	
5	64QAM	12	0	20.93	21.01	20.98	
5	64QAM	12	7	20.94	20.94	20.84	21.8
5	64QAM	12	13	20.86	20.96	21.04	
5	64QAM	25	0	20.92	20.97	20.96	
5	256QAM	1	0	18.78	18.78	18.84	
5	256QAM	1	12	18.86	18.87	18.78	19.8
5	256QAM	1	24	18.79	18.77	18.85	
5	256QAM	12	0	18.69	18.68	18.73	
5	256QAM	12	7	18.74	18.88	18.85	19.8
5	256QAM	12	13	18.92	18.87	18.94	
5	256QAM	25	0	18.86	18.77	18.78	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.30	22.36	22.11	
3	QPSK	1	8	22.28	22.32	22.30	23.3
3	QPSK	1	14	22.33	22.41	22.17	
3	QPSK	8	0	22.26	22.26	22.28	
3	QPSK	8	4	22.26	22.40	22.27	23.3
3	QPSK	8	7	22.32	22.33	22.21	
3	QPSK	15	0	22.35	22.30	22.17	
3	16QAM	1	0	22.26	22.22	22.31	
3	16QAM	1	8	22.19	22.42	22.21	23.3
3	16QAM	1	14	22.19	22.15	22.19	
3	16QAM	8	0	21.95	21.92	21.91	
3	16QAM	8	4	21.86	22.05	22.00	22.8
3	16QAM	8	7	21.90	21.95	21.94	
3	16QAM	15	0	21.91	22.04	21.86	
3	64QAM	1	0	21.91	22.05	22.12	
3	64QAM	1	8	22.09	21.95	22.00	22.8
3	64QAM	1	14	21.98	21.87	21.96	
3	64QAM	8	0	20.93	21.04	20.87	
3	64QAM	8	4	21.03	20.89	20.94	21.8
3	64QAM	8	7	20.73	20.90	20.94	
3	64QAM	15	0	21.04	21.00	20.98	
3	256QAM	1	0	18.90	18.83	18.94	
3	256QAM	1	8	18.83	18.86	18.72	19.8
3	256QAM	1	14	18.86	18.77	18.79	
3	256QAM	8	0	18.79	18.80	18.79	
3	256QAM	8	4	18.74	18.80	18.80	19.8
3	256QAM	8	7	18.90	18.77	18.96	
3	256QAM	15	0	18.80	18.72	18.81	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.23	22.36	22.24	
1.4	QPSK	1	3	22.23	22.34	22.30	
1.4	QPSK	1	5	22.25	22.40	22.23	23.3
1.4	QPSK	3	0	22.26	22.22	22.23	
1.4	QPSK	3	1	22.28	22.31	22.26	
1.4	QPSK	3	3	22.25	22.32	22.17	
1.4	QPSK	6	0	22.24	22.26	22.17	23.3
1.4	16QAM	1	0	22.34	22.17	22.31	
1.4	16QAM	1	3	22.28	22.42	22.22	
1.4	16QAM	1	5	22.17	22.27	22.26	23.3
1.4	16QAM	3	0	22.36	22.19	22.31	
1.4	16QAM	3	1	22.18	22.37	22.18	
1.4	16QAM	3	3	22.22	22.16	22.26	
1.4	16QAM	6	0	21.99	21.99	21.89	22.8
1.4	64QAM	1	0	21.94	22.00	22.14	
1.4	64QAM	1	3	22.05	22.00	21.93	
1.4	64QAM	1	5	21.87	21.83	21.90	22.8
1.4	64QAM	3	0	21.79	21.85	22.04	
1.4	64QAM	3	1	21.97	21.95	21.85	
1.4	64QAM	3	3	21.76	21.81	21.85	
1.4	64QAM	6	0	21.00	20.88	20.90	21.8
1.4	256QAM	1	0	18.77	18.77	18.93	
1.4	256QAM	1	3	18.88	18.84	18.77	
1.4	256QAM	1	5	18.91	18.80	18.86	19.8
1.4	256QAM	3	0	18.73	18.82	18.74	
1.4	256QAM	3	1	18.77	18.85	18.82	
1.4	256QAM	3	3	18.82	18.73	18.98	
1.4	256QAM	6	0	18.81	18.72	18.77	19.8

Band 4_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)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.85	21.87	21.78	
20	QPSK	1	49	21.56	22.00	21.92	22.8
20	QPSK	1	99	21.81	21.94	21.84	
20	QPSK	50	0	21.88	21.85	21.81	
20	QPSK	50	24	21.94	21.90	21.90	
20	QPSK	50	50	21.81	21.90	21.82	22.8
20	QPSK	100	0	21.89	21.98	21.82	
20	16QAM	1	0	21.84	21.87	21.86	
20	16QAM	1	49	21.84	21.88	21.88	22.8
20	16QAM	1	99	21.89	21.88	21.91	
20	16QAM	50	0	21.86	21.83	21.85	
20	16QAM	50	24	21.96	21.89	21.91	22.8
20	16QAM	50	50	21.85	21.94	21.91	
20	16QAM	100	0	21.88	21.91	21.90	
20	64QAM	1	0	21.93	21.97	21.83	
20	64QAM	1	49	21.90	21.87	21.91	22.8
20	64QAM	1	99	21.87	21.88	21.86	
20	64QAM	50	0	20.93	20.92	20.80	
20	64QAM	50	24	20.99	20.94	20.86	21.8
20	64QAM	50	50	20.90	20.93	20.95	
20	64QAM	100	0	20.93	20.96	20.96	
20	256QAM	1	0	18.82	18.87	18.98	
20	256QAM	1	49	18.91	18.92	18.86	19.8
20	256QAM	1	99	18.81	18.94	18.87	
20	256QAM	50	0	18.86	18.87	18.85	
20	256QAM	50	24	18.94	18.89	18.95	19.8
20	256QAM	50	50	18.94	18.90	18.93	
20	256QAM	100	0	18.95	18.97	18.99	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.76	21.86	21.69	
15	QPSK	1	37	21.83	21.87	21.80	22.8
15	QPSK	1	74	21.72	21.92	21.77	
15	QPSK	36	0	21.83	21.90	21.69	
15	QPSK	36	20	21.91	21.82	21.80	22.8
15	QPSK	36	39	21.78	21.75	21.71	
15	QPSK	75	0	21.78	21.83	21.71	
15	QPSK	75	37	21.80	21.77	21.77	
15	16QAM	1	37	21.82	21.85	21.73	22.8
15	16QAM	1	74	21.80	21.85	21.90	
15	16QAM	36	0	21.77	21.74	21.77	
15	16QAM	36	20	21.93	21.75	21.90	22.8
15	16QAM	36	39	21.71	21.72	21.77	
15	16QAM	75	0	21.75	21.84	21.89	
15	64QAM	1	0	21.80	21.89	21.69	
15	64QAM	1	37	21.83	21.77	21.78	22.8
15	64QAM	1	74	21.81	21.80	21.86	
15	64QAM	36	0	20.90	20.80	20.67	
15	64QAM	36	20	20.98	20.86	20.74	21.8
15	64QAM	36	39	20.86	20.82	20.94	
15	64QAM	75	0	20.83	20.87	20.81	
15	256QAM	1	0	18.80	18.78	18.89	
15	256QAM	1	37	18.86	18.77	18.72	19.8
15	256QAM	1	74	18.66	18.87	18.72	
15	256QAM	36	0	18.83	18.82	18.78	
15	256QAM	36	20	18.80	18.83	18.93	19.8
15	256QAM	36	39	18.83	18.89	18.79	
15	256QAM	75	0	18.93	18.96	18.84	
20000	Channel			20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.76	21.76	21.65	
10	QPSK	1	25	21.86	21.97	21.78	22.8
10	QPSK	1	49	21.75	21.79	21.73	
10	QPSK	25	0	21.77	21.80	21.77	
10	QPSK	25	12	21.90	21.83	21.77	22.8
10	QPSK	25	25	21.72	21.75	21.81	
10	QPSK	50	0	21.86	21.93	21.71	
10	16QAM	1	0	21.78	21.77	21.84	
10	16QAM	1	25	21.72	21.77	21.79	22.8
10	16QAM	1	49	21.88	21.73	21.76	
10	16QAM	25	0	21.74	21.73	21.77	
10	16QAM	25	12	21.91	21.80	21.79	22.8
10	16QAM	25	25	21.74	21.79	21.79	
10	16QAM	50	0	21.75	21.84	21.78	
10	64QAM	1	0	21.81	21.92	21.80	
10	64QAM	1	25	21.87	21.76	21.87	22.8
10	64QAM	1	49	21.76	21.87	21.73	
10	64QAM	25	0	20.82	20.89	20.77	
10	64QAM	25	12	20.98	20.80	20.77	21.8
10	64QAM	25	25	20.68	20.80	20.83	
10	64QAM	50	0	20.81	20.80	20.81	
10	256QAM	1	0	18.68	18.86	18.89	
10	256QAM	1	25	18.89	18.90	18.83	19.8
10	256QAM	1	49	18.73	18.81	18.81	
10	256QAM	25	0	18.78	18.74	18.82	
10	256QAM	25	12	18.84	18.81	18.81	19.8
10	256QAM	25	25	18.92	18.76	18.90	
10	256QAM	50	0	18.81	18.73	18.86	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.80	21.76	21.69	
5	QPSK	1	12	21.85	21.87	21.79	22.8
5	QPSK	1	24	21.76	21.92	21.77	
5	QPSK	12	0	21.82	21.77	21.66	
5	QPSK	12	7	21.85	21.89	21.77	22.8
5	QPSK	12	13	21.75	21.77	21.69	
5	QPSK	25	0	21.78	21.97	21.67	
5	16QAM	1	0	21.71	21.83	21.80	
5	16QAM	1	12	21.71	21.75	21.76	22.8
5	16QAM	1	24	21.84	21.75	21.76	
5	16QAM	12	0	21.85	21.70	21.78	
5	16QAM	12	7	21.82	21.87	21.86	22.8
5	16QAM	12	13	21.77	21.87	21.83	
5	16QAM	25	0	21.76	21.79	21.83	
5	64QAM	1	0	21.89	21.87	21.78	
5	64QAM	1	12	21.77	21.77	21.81	22.8
5	64QAM	1	24	21.76	21.87	21.77	
5	64QAM	12	0	20.81	20.80	20.73	
5	64QAM	12	7	20.89	20.88	20.83	21.8
5	64QAM	12	13	20.79	20.87	20.88	
5	64QAM	25	0	20.78	20.87	20.88	
5	256QAM	1	0	18.80	18.85	18.95	
5	256QAM	1	12	18.77	18.84	18.83	19.8
5	256QAM	1	24	18.73	18.81	18.84	
5	256QAM	12	0	18.76	18.77	18.70	
5	256QAM	12	7	18.92	18.80	18.91	19.8
5	256QAM	12	13	18.87	18.83	18.80	
5	256QAM	25	0	18.81	18.82	18.87	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.83	21.72	21.64	
3	QPSK	1	8	21.92	21.93	21.89	22.8
3	QPSK	1	14	21.77	21.84	21.78	
3	QPSK	8	0	21.73	21.73	21.66	
3	QPSK	8	4	21.93	21.91	21.87	22.8
3	QPSK	8	7	21.72	21.88	21.77	
3	QPSK	15	0	21.75	21.88	21.68	
3	16QAM	1	0	21.82	21.80	21.79	
3	16QAM	1	8	21.75	21.80	21.83	22.8
3	16QAM	1	14	21.86	21.83	21.81	
3	16QAM	8	0	21.73	21.72	21.73	
3	16QAM	8	4	21.90	21.84	21.78	22.8
3	16QAM	8	7	21.82	21.80	21.84	
3	16QAM	15	0	21.82	21.77	21.79	
3	64QAM	1	0	21.80	21.90	21.70	
3	64QAM	1	8	21.89	21.82	21.79	22.8
3	64QAM	1	14	21.76	21.86	21.77	
3	64QAM	8	0	20.91	20.90	20.67	
3	64QAM	8	4	20.87	20.89	20.80	21.8
3	64QAM	8	7	20.88	20.79	20.82	
3	64QAM	15	0	20.81	20.87	20.93	
3	256QAM	1	0	18.79	18.79	18.96	
3	256QAM	1	8	18.89	18.86	18.71	19.8
3	256QAM	1	14	18.83	18.83	18.77	
3	256QAM	8	0	18.85	18.83	18.79	
3	256QAM	8	4	18.81	18.88	18.84	19.8
3	256QAM	8	7	18.88	18.77	18.80	
3	256QAM	15	0	18.85	18.89	18.92	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.83	21.85	21.64	
1.4	QPSK	1	3	21.88	21.94	21.86	
1.4	QPSK	1	5	21.88	21.93	21.80	22.8
1.4	QPSK	3	0	21.83	21.80	21.80	
1.4	QPSK	3	1	21.82	21.86	21.77	
1.4	QPSK	3	3	21.77	21.86	21.81	
1.4	QPSK	6	0	21.81	21.94	21.76	22.8
1.4	16QAM	1	0	21.79	21.82	21.82	
1.4	16QAM	1	3	21.74	21.77	21.74	
1.4	16QAM	1	5	21.80	21.77	21.80	22.8
1.4	16QAM	3	0	21.72	21.77	21.84	
1.4	16QAM	3	1	21.86	21.76	21.86	
1.4	16QAM	3	3	21.83	21.86	21.89	
1.4	16QAM	6	0	21.79	21.83	21.81	22.8
1.4	64QAM	1	0	21.82	21.73	21.75	
1.4	64QAM	1	3	21.97	21.82	21.76	
1.4	64QAM	1	5	21.73	21.85	21.73	22.8
1.4	64QAM	3	0	21.85	21.83	21.99	
1.4	64QAM	3	1	21.70	21.85	21.78	
1.4	64QAM	3	3	21.77	21.84	21.99	
1.4	64QAM	6	0	20.85	20.88	20.89	21.8
1.4	256QAM	1	0	18.77	18.86	18.96	
1.4	256QAM	1	3	18.89	18.86	18.72	
1.4	256QAM	1	5	18.68	18.81	18.78	19.8
1.4	256QAM	3	0	18.80	18.80	18.74	
1.4	256QAM	3	1	18.79	18.88	18.87	
1.4	256QAM	3	3	18.92	18.87	18.88	
1.4	256QAM	6	0	18.83	18.95	18.88	19.8

Band 4_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.61	18.65	18.57	
20	QPSK	1	49	18.75	18.80	18.71	19.3
20	QPSK	1	99	18.67	18.77	18.68	
20	QPSK	50	0	18.66	18.66	18.56	
20	QPSK	50	24	18.74	18.76	18.67	
20	QPSK	50	50	18.67	18.66	18.66	19.3
20	QPSK	100	0	18.63	18.72	18.68	
20	16QAM	1	0	18.46	18.52	18.49	
20	16QAM	1	49	18.66	18.76	18.58	19.3
20	16QAM	1	99	18.53	18.74	18.56	
20	16QAM	50	0	18.52	18.55	18.42	
20	16QAM	50	24	18.67	18.64	18.62	19.3
20	16QAM	50	50	18.66	18.64	18.54	
20	16QAM	100	0	18.61	18.60	18.63	
20	64QAM	1	0	18.51	18.57	18.55	
20	64QAM	1	49	18.72	18.68	18.57	19.3
20	64QAM	1	99	18.53	18.72	18.56	
20	64QAM	50	0	18.64	18.60	18.44	
20	64QAM	50	24	18.73	18.65	18.59	19.3
20	64QAM	50	50	18.61	18.51	18.55	
20	64QAM	100	0	18.57	18.58	18.58	
20	256QAM	1	0	18.46	18.60	18.58	
20	256QAM	1	49	18.40	18.54	18.43	18.8
20	256QAM	1	99	18.44	18.53	18.43	
20	256QAM	50	0	18.25	18.40	18.30	
20	256QAM	50	24	18.21	18.27	18.18	18.8
20	256QAM	50	50	18.13	18.26	18.19	
20	256

Band 5_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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.45	23.61	23.51	25
10	QPSK	1	25	23.68	23.70	23.65	
10	QPSK	1	49	23.63	23.57	23.49	
10	QPSK	25	0	22.84	22.91	22.87	24
10	QPSK	25	12	22.98	23.00	22.95	
10	QPSK	25	25	22.92	22.78	22.71	
10	QPSK	50	0	22.93	22.94	22.78	
10	16QAM	1	0	23.13	23.08	23.13	24
10	16QAM	1	25	23.20	23.07	23.02	
10	16QAM	1	49	23.23	23.12	23.00	
10	16QAM	25	0	22.01	21.93	21.85	23
10	16QAM	25	12	22.05	21.99	21.90	
10	16QAM	25	25	21.98	21.79	21.82	
10	16QAM	50	0	21.97	21.78	21.92	
10	64QAM	1	0	22.10	22.16	22.15	23
10	64QAM	1	25	21.98	22.02	22.12	
10	64QAM	1	49	22.26	22.12	21.89	
10	64QAM	25	0	20.97	20.90	20.83	22
10	64QAM	25	12	21.05	20.98	20.90	
10	64QAM	25	25	20.93	20.87	20.82	
10	64QAM	50	0	20.85	20.87	20.84	
10	256QAM	1	0	18.75	18.67	18.72	20
10	256QAM	1	25	18.72	18.69	18.79	
10	256QAM	1	49	18.68	18.74	18.79	
10	256QAM	25	0	18.68	18.74	18.71	20
10	256QAM	25	12	18.74	18.68	18.68	
10	256QAM	25	25	18.74	18.75	18.77	
10	256QAM	50	0	18.62	18.74	18.74	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.39	23.59	23.49	25
5	QPSK	1	12	23.60	23.67	23.52	
5	QPSK	1	24	23.51	23.54	23.48	
5	QPSK	12	0	22.72	22.84	22.85	24
5	QPSK	12	7	22.93	22.91	22.84	
5	QPSK	12	13	22.79	22.77	22.65	
5	QPSK	25	0	22.80	22.82	22.67	
5	16QAM	1	0	23.07	23.02	22.98	24
5	16QAM	1	12	23.17	22.92	22.95	
5	16QAM	1	24	23.11	23.09	22.96	
5	16QAM	12	0	21.95	21.79	21.70	23
5	16QAM	12	7	21.98	21.91	21.77	
5	16QAM	12	13	21.84	21.71	21.77	
5	16QAM	25	0	21.82	21.73	21.91	
5	64QAM	1	0	21.96	22.12	22.04	23
5	64QAM	1	12	21.87	21.92	22.03	
5	64QAM	1	24	22.12	22.07	21.76	
5	64QAM	12	0	20.91	20.75	20.68	22
5	64QAM	12	7	20.98	20.85	20.82	
5	64QAM	12	13	20.91	20.86	20.75	
5	64QAM	25	0	20.72	20.76	20.82	
5	256QAM	1	0	18.72	18.59	18.62	20
5	256QAM	1	12	18.68	18.58	18.65	
5	256QAM	1	24	18.65	18.60	18.70	
5	256QAM	12	0	18.65	18.70	18.66	20
5	256QAM	12	7	18.69	18.53	18.54	
5	256QAM	12	13	18.73	18.69	18.65	
5	256QAM	25	0	18.49	18.60	18.68	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.44	23.47	23.48	25
3	QPSK	1	8	23.60	23.62	23.61	
3	QPSK	1	14	23.48	23.50	23.45	
3	QPSK	8	0	22.76	22.77	22.76	24
3	QPSK	8	4	22.96	22.94	22.91	
3	QPSK	8	7	22.78	22.63	22.69	
3	QPSK	15	0	22.85	22.83	22.69	
3	16QAM	1	0	23.10	23.06	23.11	24
3	16QAM	1	8	23.14	23.03	22.90	
3	16QAM	1	14	23.10	22.99	22.90	
3	16QAM	8	0	22.00	21.91	21.82	23
3	16QAM	8	4	21.95	21.95	21.75	
3	16QAM	8	7	21.85	21.68	21.79	
3	16QAM	15	0	21.91	21.77	21.87	
3	64QAM	1	0	22.01	22.12	22.04	23
3	64QAM	1	8	21.87	21.95	22.01	
3	64QAM	1	14	22.20	21.99	21.88	
3	64QAM	8	0	20.90	20.85	20.77	22
3	64QAM	8	4	20.91	20.94	20.83	
3	64QAM	8	7	20.83	20.83	20.73	
3	64QAM	15	0	20.76	20.86	20.83	
3	256QAM	1	0	18.61	18.65	18.66	20
3	256QAM	1	8	18.71	18.62	18.75	
3	256QAM	1	14	18.63	18.66	18.74	
3	256QAM	8	0	18.53	18.72	18.60	20
3	256QAM	8	4	18.73	18.53	18.64	
3	256QAM	8	7	18.71	18.69	18.75	
3	256QAM	15	0	18.59	18.64	18.61	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.48	23.56	23.50	25
1.4	QPSK	1	3	23.56	23.60	23.62	
1.4	QPSK	1	5	23.58	23.55	23.45	
1.4	QPSK	3	0	23.43	23.42	23.45	
1.4	QPSK	3	1	23.45	23.56	23.56	
1.4	QPSK	3	3	23.44	23.54	23.41	
1.4	QPSK	5	0	22.81	22.85	22.77	24
1.4	16QAM	1	0	22.98	22.99	22.98	24
1.4	16QAM	1	3	23.07	23.00	22.99	
1.4	16QAM	1	5	23.15	23.04	22.94	
1.4	16QAM	3	0	22.84	22.86	22.96	
1.4	16QAM	3	1	23.05	22.94	22.90	
1.4	16QAM	3	3	23.08	23.03	22.89	
1.4	16QAM	6	0	21.82	21.69	21.78	23
1.4	64QAM	1	0	22.05	22.10	22.02	23
1.4	64QAM	1	3	21.99	21.95	22.05	
1.4	64QAM	1	5	22.12	22.01	21.82	
1.4	64QAM	3	0	21.97	22.08	21.96	
1.4	64QAM	3	1	21.87	21.81	22.00	
1.4	64QAM	3	3	22.11	21.87	21.78	
1.4	64QAM	6	0	20.80	20.83	20.80	22
1.4	256QAM	1	0	18.64	18.61	18.70	20
1.4	256QAM	1	3	18.67	18.57	18.72	
1.4	256QAM	1	5	18.66	18.63	18.67	
1.4	256QAM	3	0	18.56	18.59	18.63	
1.4	256QAM	3	1	18.60	18.61	18.61	
1.4	256QAM	3	3	18.61	18.60	18.63	
1.4	256QAM	6	0	18.50	18.70	18.63	20

Band 5_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)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.42	20.44	20.40	21.3
10	QPSK	1	25	20.47	20.52	20.42	
10	QPSK	1	49	20.38	20.39	20.28	
10	QPSK	25	0	20.45	20.40	20.31	21.3
10	QPSK	25	12	20.46	20.48	20.35	
10	QPSK	25	25	20.33	20.38	20.28	
10	QPSK	50	0	20.36	20.50	20.28	
10	16QAM	1	0	20.32	20.40	20.39	21.3
10	16QAM	1	25	20.34	20.45	20.41	
10	16QAM	1	49	20.30	20.33	20.19	
10	16QAM	25	0	20.38	20.37	20.22	21.3
10	16QAM	25	12	20.41	20.35	20.26	
10	16QAM	25	25	20.20	20.33	20.15	
10	16QAM	50	0	20.34	20.40	20.24	
10	64QAM	1	0	20.38	20.34	20.34	21.3
10	64QAM	1	25	20.45	20.42	20.36	
10	64QAM	1	49	20.26	20.25	20.15	
10	64QAM	25	0	20.39	20.36	20.24	21.3
10	64QAM	25	12	20.41	20.35	20.25	
10	64QAM	25	25	20.27	20.36	20.24	
10	64QAM	50	0	20.24	20.39	20.19	
10	256QAM	1	0	18.85	18.97	18.89	19.8
10	256QAM	1	25	18.90	18.90	18.96	
10	256QAM	1	49	18.84	18.88	18.89	
10	256QAM	25	0	18.84	18.94	18.90	19.8
10	256QAM	25	12	18.93	18.95	18.96	
10	256QAM	25	25	18.92	18.86	18.91	
10	256QAM	50	0	18.81	18.90	18.93	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.40	20.35	20.31	21.3
5	QPSK	1	12	20.44	20.44	20.29	
5	QPSK	1	24	20.33	20.28	20.22	
5	QPSK	12	0	20.38	20.32	20.20	21.3
5	QPSK	12	7	20.35	20.39	20.25	
5	QPSK	12	13	20.28	20.27	20.20	
5	QPSK	25	0	20.33	20.45	20.20	21.3
5	16QAM	1	0	20.27	20.30	20.37	
5	16QAM	1	12	20.20	20.33	20.30	
5	16QAM	1	24	20.27	20.25	20.11	
5	16QAM	12	0	20.26	20.36	20.08	21.3
5	16QAM	12	7	20.26	20.29	20.20	
5	16QAM	12	13	20.13	20.29	20.10	
5	16QAM	25	0	20.31	20.33	20.17	
5	64QAM	1	0	20.26	20.28	20.33	21.3
5	64QAM	1	12	20.44	20.38	20.25	
5	64QAM	1	24	20.18	20.21	20.04	
5	64QAM	12	0	20.25	20.28	20.10	21.3
5	64QAM	12	7	20.27	20.28	20.17	
5	64QAM	12	13	20.15	20.22	20.14	
5	64QAM	25	0	20.09	20.33	20.07	
5	256QAM	1	0	18.79	18.83	18.85	19.8
5	256QAM	1	12	18.75	18.76	18.95	
5	256QAM	1	24	18.83	18.86	18.82	
5	256QAM	12	0	18.89	18.82	18.78	19.8
5	256QAM	12	7	18.82	18.90	18.89	
5	256QAM	12	13	18.77	18.74	18.78	
5	256QAM	25	0	18.73	18.78	18.85	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.33	20.37	20.29	21.3
3	QPSK	1	8	20.33	20.48	20.38	
3	QPSK	1	14	20.30	20.38	20.18	
3	QPSK	8	0	20.44	20.31	20.25	21.3
3	QPSK	8	4	20.35	20.47	20.31	
3	QPSK	8	7	20.28	20.26	20.27	
3	QPSK	15	0	20.26	20.48	20.14	
3	16QAM	1	0	20.17	20.35	20.30	21.3
3	16QAM	1	8	20.27	20.36	20.30	
3	16QAM	1	14	20.17	20.32	20.14	
3	16QAM	8	0	20.24	20.35	20.14	21.3
3	16QAM	8	4	20.38	20.23	20.13	
3	16QAM	8	7	20.12	20.24	20.07	
3	16QAM	15	0	20.22	20.36	20.12	
3	64QAM	1	0	20.27	20.32	20.33	21.3
3	64QAM	1	8	20.32	20.38	20.34	
3	64QAM	1	14	20.18	20.22	20.07	
3	64QAM	8	0	20.36	20.35	20.21	
3	64QAM	8	4	20.26	20.21	20.11	21.3
3	64QAM	8	7	20.23	20.23	20.19	
3	64QAM	15	0	20.22	20.31	20.13	
3	256QAM	1	0	18.82	18.88	18.85	19.8
3	256QAM	1	8	18.83	18.88	18.84	
3	256QAM	1	14	18.81	18.83	18.82	
3	256QAM	8	0	18.80	18.89	18.89	19.8
3	256QAM	8	4	18.80	18.82	18.84	
3	256QAM	8	7	18.85	18.72	18.82	
3	256QAM	15	0	18.73	18.82	18.86	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.27	20.38	20.30	21.3
1.4	QPSK	1	3	20.33	20.51	20.29	
1.4	QPSK	1	5	20.26	20.33	20.25	
1.4	QPSK	3	0	20.40	20.36	20.21	
1.4	QPSK	3	1	20.37	20.43	20.32	
1.4	QPSK	3	3	20.30	20.32	20.27	
1.4	QPSK	6	0	20.35	20.48	20.24	21.3
1.4	16QAM	1	0	20.25	20.38	20.29	21.3
1.4	16QAM	1	3	20.24	20.34	20.29	
1.4	16QAM	1	5	20.22	20.32	20.17	
1.4	16QAM	3	0	20.26	20.34	20.13	
1.4	16QAM	3	1	20.35	20.23	20.16	
1.4	16QAM	3	3	20.06	20.31	20.00	
1.4	16QAM	6	0	20.24	20.33	20.12	21.3
1.4	64QAM	1	0	20.26	20.29	20.32	21.3
1.4	64QAM	1	3	20.34	20.28	20.34	
1.4	64QAM	1	5	20.22	20.10	20.04	
1.4	64QAM	3	0	20.32	20.26	20.13	
1.4	64QAM	3	1	20.33	20.24	20.16	
1.4	64QAM	3	3	20.11	20.31	20.15	
1.4	64QAM	6	0	20.23	20.31	20.08	21.3
1.4	256QAM	1	0	18.78	18.92	18.75	19.8
1.4	256QAM	1	3	18.78	18.75	18.82	
1.4	256QAM	1	5	18.77	18.84	18.83	
1.4	256QAM	3	0	18.73	18.91	18.86	
1.4	256QAM	3	1	18.79	18.81	18.89	
1.4	256QAM	3	3	18.77	18.80	18.84	
1.4	256QAM	6	0	18.73	18.82	18.91	19.8

Band 7_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.83	22.91	22.91	23.3
20	QPSK	1	49	22.97	23.00	22.89	
20	QPSK	1	99	22.88	22.84	22.89	
20	QPSK	50	0	22.78	22.75	22.83	23.3
20	QPSK	50	24	22.90	22.92	22.83	
20	QPSK	50	50	22.82	22.71	22.73	
20	QPSK	100	0	22.86	22.90	22.85	
20	16QAM	1	0	22.72	22.75	22.76	23.3
20	16QAM	1	49	22.82	22.84	22.85	
20	16QAM	1	99	22.81	22.74	22.75	
20	16QAM	50	0	21.72	21.92	21.97	22.3
20	16QAM	50	24	21.86	22.04	22.02	
20	16QAM	50	50	21.85	22.03	22.04	
20	16QAM	100	0	21.76	21.95	21.99	
20	64QAM	1	0	22.14	22.19	22.20	22.3
20	64QAM	1	49	22.11	22.12	22.10	
20	64QAM	1	99	22.04	22.06	22.05	
20	64QAM	50	0	20.88	20.99	20.83	21.3
20	64QAM	50	24	20.84	21.05	20.96	
20	64QAM	50	50	20.80	21.07	21.02	
20	64QAM	100	0	20.80	20.93	20.97	
20	256QAM	1	0	18.87	18.93	18.90	19.3
20	256QAM	1	49	18.93	18.94	18.87	
20	256QAM	1	99	18.87	18.95	18.89	
20	256QAM	50	0	18.94	18.97	18.86	19.3
20	256QAM	50	24	18.87	18.85	18.85	
20	256QAM	50	50	18.92	18.90	18.97	
20	256QAM	100	0	18.84	18.91	18.90	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.73	22.86	22.76	23.3
15	QPSK	1	37	22.89	22.86	22.92	
15	QPSK	1	74	22.75	22.75	22.83	
15	QPSK	36	0	22.64	22.63	22.71	23.3
15	QPSK	36	20	22.77	22.87	22.76	
15	QPSK	36	39	22.66	22.57	22.62	
15	QPSK	75	0	22.75	22.83	22.71	23.3
15	16QAM	1	0	22.65	22.62	22.66	
15	16QAM	1	37	22.68	22.70	22.75	
15	16QAM	1	74	22.75	22.68	22.66	
15	16QAM	36	0	21.62	21.88	21.90	22.3
15	16QAM	36	20	21.72	21.92	21.98	
15	16QAM	36	39	21.77	21.98	21.91	
15	16QAM	75	0	21.74	21.85	21.93	
15	64QAM	1	0	22.11	22.16	22.15	22.3
15	64QAM	1	37	21.97	21.97	21.96	
15	64QAM	1	74	21.92	21.99	21.98	
15	64QAM	36	0	20.86	20.92	20.68	21.3
15	64QAM	36	20	20.78	20.93	20.92	
15	64QAM	36	39	20.73	21.01	20.99	
15	64QAM	75	0	20.67	20.83	20.87	
15	256QAM	1	0	18.76	18.86	18.79	19.3
15	256QAM	1	37	18.82	18.82	18.72	
15	256QAM	1	74	18.83	18.83	18.75	
15	256QAM	36	0	18.91	18.82	18.71	19.3
15	256QAM	36	20	18.77	18.72	18.77	
15	256QAM	36	39	18.86	18.79	18.96	
15	256QAM	75	0	18.75	18.81	18.80	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.75	22.83	22.82	23.3
10	QPSK	1	25	22.82	22.95	22.86	
10	QPSK	1	49	22.79	22.76	22.80	
10	QPSK	25	0	22.73	22.59	22.72	23.3
10	QPSK	25	12	22.80	22.76	22.81	
10	QPSK	25	25	22.73	22.63	22.60	
10	QPSK	50	0	22.81	22.76	22.76	
10	16QAM	1	0	22.62	22.61	22.66	23.3
10	16QAM	1	25	22.66	22.68	22.76	
10	16QAM	1	49	22.73	22.61	22.66	
10	16QAM	25	0	21.57	21.82	21.87	22.3
10	16QAM	25	12	21.77	21.92	21.98	
10	16QAM	25	25	21.82	22.02	21.94	
10	16QAM	50	0	21.72	21.82	21.95	
10	64QAM	1	0	22.00	22.06	22.15	22.3
10	64QAM	1	25	22.08	22.01	21.95	
10	64QAM	1	49	21.96	21.92	21.99	
10	64QAM	25	0	20.75	20.90	20.72	21.3
10	64QAM	25	12	20.78	21.04	20.82	
10	64QAM	25	25	20.67	20.99	20.93	
10	64QAM	50	0	20.76	20.92	20.84	
10	256QAM	1	0	18.77	18.92	18.83	19.3
10	256QAM	1	25	18.79	18.82	18.77	
10	256QAM	1	49	18.73	18.88	18.85	
10	256QAM	25	0	18.81	18.96	18.82	19.3
10	256QAM	25	12	18.84	18.77	18.80	
10	256QAM	25	25	18.86	18.83	18.89	
10	256QAM	50	0	18.74	18.81	18.77	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.76	22.84	22.76	23.3
5	QPSK	1	12	22.81	22.91	22.84	
5	QPSK	1	24	22.76	22.74	22.78	
5	QPSK	12	0	22.69	22.69	22.73	23.3
5	QPSK	12	7	22.85	22.79	22.73	
5	QPSK	12	13	22.67	22.63	22.67	
5	QPSK	25	0	22.81	22.74	22.76	
5	16QAM	1	0	22.59	22.66	22.62	23.3
5	16QAM	1	12	22.71	22.75	22.72	
5	16QAM	1	24	22.75	22.63	22.67	
5	16QAM	12	0	21.57	21.78	21.93	22.3
5	16QAM	12	7	21.79	22.00	21.91	
5	16QAM	12	13	21.70	21.93	21.89	
5	16QAM	25	0	21.70	21.87	21.91	
5	64QAM	1	0	22.10	22.06	22.16	22.3
5	64QAM	1	12	21.97	22.09	21.96	
5	64QAM	1	24	22.03	22.01	21.96	
5	64QAM	12	0	20.85	20.89	20.78	21.3
5	64QAM	12	7	20.82	21.01	20.85	
5	64QAM	12	13	20.65	20.94	20.98	
5	64QAM	25	0	20.68	20.92	20.96	
5	256QAM	1	0	18.85	18.88	18.89	19.3
5	256QAM	1	12	18.78	18.87	18.83	
5	256QAM	1	24	18.75	18.80	18.75	
5	256QAM	12	0	18.87	18.96	18.74	19.3
5	256QAM	12	7	18.80	18.83	18.80	
5	256QAM	12	13	18.81	18.76	18.89	
5	256QAM	25	0	18.74	18.84	18.77	

Band 7_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)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.25	20.31	20.29	20.8
20	QPSK	1	49	20.37	20.41	20.33	
20	QPSK	1	99	20.26	20.26	20.21	
20	QPSK	50	0	20.29	20.36	20.31	20.8
20	QPSK	50	24	20.34	20.38	20.32	
20	QPSK	50	50	20.28	20.26	20.26	
20	QPSK	100	0	20.28	20.33	20.30	
20	16QAM	1	0	20.26	20.39	20.23	20.8
20	16QAM	1	49	20.32	20.34	20.21	
20	16QAM	1	99	20.24	20.33	20.25	
20	16QAM	50	0	20.28	20.36	20.19	20.8
20	16QAM	50	24	20.23	20.27	20.31	
20	16QAM	50	50	20.33	20.40	20.21	
20	16QAM	100	0	20.30	20.39	20.31	
20	64QAM	1	0	20.28	20.28	20.30	20.8
20	64QAM	1	49	20.26	20.31	20.26	
20	64QAM	1	99	20.35	20.38	20.23	
20	64QAM	50	0	20.17	20.28	20.23	20.8
20	64QAM	50	24	20.21	20.22	20.19	
20	64QAM	50	50	20.33	20.27	20.32	
20	64QAM	100	0	20.14	20.12	20.07	
20	256QAM	1	0	18.27	18.28	18.23	18.8
20	256QAM	1	49	18.31	18.23	18.23	
20	256QAM	1	99	18.28	18.28	18.28	
20	256QAM	50	0	18.36	18.16	18.28	18.8
20	256QAM	50	24	18.36	18.20	18.34	
20	256QAM	50	50	18.29	18.29	18.30	
20	256QAM

Band 7_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.83	16.85	16.90	
20	QPSK	1	49	16.96	17.00	16.92	17.3
20	QPSK	1	99	16.86	16.96	16.78	
20	QPSK	50	0	16.88	16.85	16.82	
20	QPSK	50	24	16.94	16.97	16.82	17.3
20	QPSK	50	50	16.82	16.95	16.88	
20	QPSK	100	0	16.87	16.89	16.80	
20	16QAM	1	0	16.75	16.84	16.79	
20	16QAM	1	49	16.92	16.90	16.88	17.3
20	16QAM	1	99	16.83	16.88	16.67	
20	16QAM	50	0	16.87	16.77	16.80	
20	16QAM	50	24	16.84	16.88	16.77	17.3
20	16QAM	50	50	16.72	16.82	16.81	
20	16QAM	100	0	16.74	16.83	16.72	
20	64QAM	1	0	16.80	16.76	16.86	
20	64QAM	1	49	16.93	16.96	16.88	17.3
20	64QAM	1	99	16.79	16.84	16.63	
20	64QAM	50	0	16.76	16.74	16.67	
20	64QAM	50	24	16.86	16.89	16.76	17.3
20	64QAM	50	50	16.71	16.82	16.82	
20	64QAM	100	0	16.77	16.85	16.77	
20	256QAM	1	0	16.72	16.73	16.88	
20	256QAM	1	49	16.83	16.90	16.84	17.3
20	256QAM	1	99	16.81	16.82	16.72	
20	256QAM	50	0	16.77	16.70	16.78	
20	256QAM	50	24	16.90	16.89	16.86	17.3
20	256QAM	50	50	16.74	16.91	16.87	
20	256QAM	100	0	16.80	16.84	16.65	
Channel				20525	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.68	16.84	16.87	
15	QPSK	1	37	16.92	16.93	16.81	17.3
15	QPSK	1	74	16.84	16.91	16.71	
15	QPSK	36	0	16.82	16.75	16.79	
15	QPSK	36	20	16.85	16.94	16.84	17.3
15	QPSK	36	39	16.72	16.93	16.81	
15	QPSK	75	0	16.74	16.81	16.76	
15	16QAM	1	0	16.64	16.73	16.65	
15	16QAM	1	37	16.79	16.76	16.73	17.3
15	16QAM	1	74	16.74	16.75	16.55	
15	16QAM	36	0	16.72	16.70	16.72	
15	16QAM	36	20	16.73	16.76	16.65	17.3
15	16QAM	36	39	16.60	16.80	16.77	
15	16QAM	75	0	16.66	16.71	16.57	
15	64QAM	1	0	16.67	16.72	16.78	
15	64QAM	1	37	16.90	16.89	16.82	17.3
15	64QAM	1	74	16.68	16.72	16.56	
15	64QAM	36	0	16.62	16.70	16.52	
15	64QAM	36	20	16.73	16.77	16.68	17.3
15	64QAM	36	39	16.66	16.76	16.80	
15	64QAM	75	0	16.62	16.77	16.72	
15	256QAM	1	0	16.61	16.63	16.75	
15	256QAM	1	37	16.82	16.84	16.71	17.3
15	256QAM	1	74	16.67	16.75	16.64	
15	256QAM	36	0	16.76	16.56	16.73	
15	256QAM	36	20	16.86	16.78	16.75	17.3
15	256QAM	36	39	16.69	16.85	16.81	
15	256QAM	75	0	16.78	16.76	16.82	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.74	16.81	16.75	
10	QPSK	1	25	16.81	16.89	16.89	17.3
10	QPSK	1	49	16.76	16.81	16.69	
10	QPSK	25	0	16.75	16.71	16.75	
10	QPSK	25	12	16.79	16.94	16.88	17.3
10	QPSK	25	25	16.78	16.88	16.86	
10	QPSK	50	0	16.85	16.81	16.70	
10	16QAM	1	0	16.71	16.78	16.66	
10	16QAM	1	25	16.88	16.80	16.74	17.3
10	16QAM	1	49	16.80	16.82	16.55	
10	16QAM	25	0	16.81	16.83	16.79	
10	16QAM	25	12	16.92	16.79	16.66	17.3
10	16QAM	25	25	16.62	16.76	16.73	
10	16QAM	50	0	16.66	16.76	16.58	
10	64QAM	1	0	16.78	16.64	16.73	
10	64QAM	1	25	16.80	16.87	16.86	17.3
10	64QAM	1	49	16.72	16.80	16.59	
10	64QAM	25	0	16.65	16.69	16.53	
10	64QAM	25	12	16.71	16.83	16.73	17.3
10	64QAM	25	25	16.67	16.79	16.71	
10	64QAM	50	0	16.68	16.70	16.69	
10	256QAM	1	0	16.64	16.58	16.77	
10	256QAM	1	25	16.80	16.89	16.75	17.3
10	256QAM	1	49	16.80	16.79	16.71	
10	256QAM	25	0	16.62	16.62	16.69	
10	256QAM	25	12	16.85	16.79	16.82	17.3
10	256QAM	25	25	16.59	16.85	16.77	
10	256QAM	50	0	16.74	16.69	16.63	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.82	16.72	16.80	
5	QPSK	1	12	16.94	16.94	16.91	17.3
5	QPSK	1	24	16.85	16.91	16.67	
5	QPSK	12	0	16.76	16.71	16.73	
5	QPSK	12	7	16.90	16.87	16.79	17.3
5	QPSK	12	13	16.78	16.88	16.79	
5	QPSK	25	0	16.76	16.84	16.70	
5	16QAM	1	0	16.71	16.78	16.75	
5	16QAM	1	12	16.80	16.86	16.82	17.3
5	16QAM	1	24	16.77	16.84	16.64	
5	16QAM	12	0	16.78	16.66	16.74	
5	16QAM	12	7	16.72	16.76	16.73	17.3
5	16QAM	12	13	16.65	16.68	16.75	
5	16QAM	25	0	16.60	16.72	16.70	
5	64QAM	1	0	16.78	16.75	16.83	
5	64QAM	1	12	16.85	16.86	16.84	17.3
5	64QAM	1	24	16.66	16.72	16.58	
5	64QAM	12	0	16.63	16.72	16.59	
5	64QAM	12	7	16.72	16.83	16.62	17.3
5	64QAM	12	13	16.66	16.76	16.72	
5	64QAM	25	0	16.66	16.83	16.71	
5	256QAM	1	0	16.68	16.71	16.87	
5	256QAM	1	12	16.80	16.76	16.72	17.3
5	256QAM	1	24	16.69	16.81	16.69	
5	256QAM	12	0	16.67	16.57	16.68	
5	256QAM	12	7	16.76	16.85	16.74	17.3
5	256QAM	12	13	16.62	16.76	16.74	
5	256QAM	25	0	16.70	16.75	16.50	

Band 7_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.03	20.97	21.02	
20	QPSK	1	49	21.08	21.12	21.05	21.3
20	QPSK	1	99	21.06	21.09	21.01	
20	QPSK	50	0	21.01	21.07	20.93	
20	QPSK	50	24	21.05	21.09	21.00	21.3
20	QPSK	50	50	21.04	20.97	20.90	
20	QPSK	100	0	20.95	21.05	21.00	
20	16QAM	1	0	20.95	20.89	20.92	
20	16QAM	1	49	21.00	21.07	20.90	21.3
20	16QAM	1	99	20.93	21.08	20.99	
20	16QAM	50	0	20.99	20.93	20.92	
20	16QAM	50	24	20.94	20.94	20.85	21.3
20	16QAM	50	50	21.02	20.86	20.85	
20	16QAM	100	0	20.94	20.90	20.88	
20	64QAM	1	0	20.91	20.95	20.99	
20	64QAM	1	49	21.07	21.08	20.95	21.3
20	64QAM	1	99	21.04	21.09	20.99	
20	64QAM	50	0	20.50	20.67	20.62	
20	64QAM	50	24	20.36	20.59	20.53	20.8
20	64QAM	50	50	20.41	20.59	20.55	
20	64QAM	100	0	20.38	20.59	20.51	
20	256QAM	1	0	18.35	18.40	18.32	
20	256QAM	1	49	18.27	18.35	18.27	18.8
20	256QAM	1	99	18.28	18.38	18.22	
20	256QAM	50	0	18.29	18.39	18.18	
20	256QAM	50	24	18.22	18.36	18.25	18.8
20	256QAM	50	50	18.30	18.34	18.27	
20	256QAM	100	0	18.29	18.30	18.25	
Channel				20525	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.94	20.94	20.99	
15	QPSK	1	37	20.95	21.07	21.00	21.3
15	QPSK	1	74	20.97	20.98	21.00	
15	QPSK	36	0	20.90	21.04	20.88	
15	QPSK	36	20	21.05	20.95	20.86	21.3
15	QPSK	36	39	20.93	20.89	20.81	
15	QPSK	75	0	20.86	21.03	20.93	
15	16QAM	1	0	20.94	20.87	20.90	
15	16QAM	1	37	20.94	21.00	20.80	21.3
15	16QAM	1	74	20.88	21.00	20.85	
15	16QAM	36	0	20.91	20.84	20.78	
15	16QAM	36	20	20.85	20.80	20.74	21.3
15	16QAM	36	39	20.98	20.76	20.80	
15	16QAM	75	0	20.81	20.77	20.83	
15	64QAM	1	0	20.85	20.83	20.95	
15	64QAM	1	37	21.01	20.93	20.90	21.3
15	64QAM	1	74	20.94	20.95	20.93	
15	64QAM	36	0	20.49	20.59	20.60	
15	64QAM	36	20	20.28	20.51	20.43	20.8
15	64QAM	36	39	20.39	20.49	20.46	
15	64QAM	75	0	20.29	20.46	20.45	
15	256QAM	1	0	18.21	18.37	18.30	
15	256QAM	1	37	18.14	18.25	18.13	18.8
15	256QAM	1	74	18.24	18.32	18.21	
15	256QAM	36	0	18.17	18.24	18.05	
15	256QAM	36	20	18.16	18.33	18.12	18.8
15	256QAM	36	39	18.25	18.32	18.25	
15	256QAM	75	0	18.16	18.18	18.20	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.88	20.86	20.99	
10	QPSK	1	25	21.05	21.05	20.96	21.3
10	QPSK	1	49	20.99	21.02	20.90	
10	QPSK	25	0	20.94	21.01	20.88	
10	QPSK	25	12	21.01	21.08	20.97	21.3
10	QPSK	25	25	20.96	20.93	20.87	
10	QPSK	50	0	20.88	20.96	20.96	
10	16QAM	1	0	20.93	20.76	20.77	
10	16QAM	1	25	20.95	21.04	20.79	21.3
10	16QAM	1	49	20.92	21.05	20.89	
10	16QAM	25	0	20.85	20.85	20.84	
10	16QAM	25	12	20.97	20.89	20.77	21.3
10	16QAM	25	25	20.91	20.84	20.73	
10	16QAM	50	0	20.81	20.86	20.84	
10	64QAM	1	0	20.82	20.88	20.84	
10	64QAM	1	25	20.96	20.97	20.90	21.3
10	64QAM	1	49	20.94	20.86	20.90	
10	64QAM	25	0	20.47	20.65	20.50	
10	64QAM	25	12	20.33	20.57	20.46	20.8
10	64QAM	25	25	20.31	20.57	20.43	
10	64QAM	50	0	20.27	20.57	20.48	
10	256QAM	1	0	18.25	18.29	18.21	
10	256QAM	1	25	18.14	18.31	18.23	18.8
10	256QAM	1	49	18.14	18.24	18.07	
10	256QAM	25	0	18.27	18.37	18.16	
10	256QAM	25	12	18.08	18.35	18.10	18.8
10	256QAM	25	25	18.27	18.23	18.12	
10	256QAM	50	0	18.21	18.16	18.10	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.00	20.88	21.01	
5	QPSK	1	12	21.00	21.10	20.95	21.3
5	QPSK	1	24	21.03	21.06	20.86	
5	QPSK	12	0	20.99	20.94	20.80	
5	QPSK	12	7	21.04	20.99	20.92	21.3
5	QPSK	12	13	20.97	20.95	20.80	
5	QPSK	25	0	20.88	20.90	20.93	
5	16QAM	1	0	20.85	20.87	20.89	
5	16QAM	1	12	20.94	21.03	20.78	21.3
5	16QAM	1	24	20.91	20.95	20.92	
5	16QAM	12	0	20.98	20.90	20.89	
5	16QAM	12	7	20.82	20.84	20.83	21.3
5	16QAM	12	13	20.94	20.72	20.77	
5	16QAM	25	0	20.79	20.88	20.75	
5	64QAM	1	0	20.82	20.85	20.88	
5	64QAM	1	12	20.99	21.03	20.87	21.3
5	64QAM	1	24	20.96	20.89	20.88	
5	64QAM	12	0	20.35	20.57	20.54	
5	64QAM	12	7	20.32	20.47	20.42	20.8
5	64QAM	12	13	20.32	20.54	20.48	
5	64QAM	25	0	20.32	20.56	20.46	
5	256QAM	1	0	18.34	18.28	18.23	
5	256QAM	1	12	18.26	18.29	18.23	18.8
5	256QAM	1	24	18.20	18.23	18.16	
5	256QAM	12	0	18.15	18.30	18.07	
5	256QAM	12	7	18.11	18.30	18.24	18.8
5	256QAM	12	13	18.20	18.28	18.14	
5	256QAM	25	0	18.15	18.22	18.16	

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.88	23.80	23.79	
10	QPSK	1	25	23.90	23.85	23.88	25
10	QPSK	1	49	23.80	23.71	23.82	
10	QPSK	25	0	22.68	22.70	22.73	
10	QPSK	25	12	22.86	22.85	22.83	24
10	QPSK	25	25	22.82	22.84	22.80	
10	QPSK	50	0	22.78	22.71	22.70	
10	16QAM	1	0	22.77	22.75	22.82	
10	16QAM	1	25	22.74	22.72	22.75	24
10	16QAM	1	49	22.85	22.75	22.82	
10	16QAM	25	0	21.72	21.81	21.72	
10	16QAM	25	12	21.89	21.86	21.73	23
10	16QAM	25	25	21.82	21.83	21.86	
10	16QAM	50	0	21.70	21.71	21.71	
10	64QAM	1	0	22.13	22.00	22.04	
10	64QAM	1	25	21.95	21.93	21.96	23
10	64QAM	1	49	22.08	22.10	22.15	
10	64QAM	25	0	20.65	20.87	20.82	
10	64QAM	25	12	20.96	20.89	20.89	22
10	64QAM	25	25	20.98	20.86	20.85	
10	64QAM	50	0	20.82	20.78	20.78	
10	256QAM	1	0	18.76	18.76	18.77	
10	256QAM	1	25	18.86	18.75	18.80	20
10	256QAM	1	49	18.83	18.75	18.77	
10	256QAM	25	0	18.82	18.69	18.71	
10	256QAM	25	12	18.76	18.63	18.75	20
10	256QAM	25	25	18.78	18.63	18.75	
10	256QAM	50	0	18.84	18.71	18.83	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.77	23.77	23.76	
5	QPSK	1	12	23.80	23.84	23.81	25
5	QPSK	1	24	23.71	23.57	23.77	
5	QPSK	12	0	22.55	22.67	22.71	
5	QPSK	12	7	22.79	22.81	22.77	24
5	QPSK	12	13	22.68	22.82	22.70	
5	QPSK	25	0	22.70	22.63	22.60	
5	16QAM	1	0	22.67	22.74	22.77	
5	16QAM	1	12	22.59	22.60	22.62	24
5	16QAM	1	24	22.84	22.64	22.67	
5	16QAM	12	0	21.67	21.66	21.58	
5	16QAM	12	7	21.88	21.83	21.89	23
5	16QAM	12	13	21.71	21.82	21.80	
5	16QAM	25	0	21.57	21.67	21.69	
5	64QAM	1	0	21.99	21.95	21.99	
5	64QAM	1	12	21.89	21.80	21.90	23
5	64QAM	1	24	21.98	21.90	22.07	
5	64QAM	12	0	20.50	20.77	20.67	
5	64QAM	12	7	20.89	20.88	20.85	22
5	64QAM	12	13	20.83	20.79	20.77	
5	64QAM	25	0	20.70	20.65	20.72	
5	256QAM	1	0	18.75	18.62	18.69	
5	256QAM	1	12	18.80	18.74	18.66	20
5	256QAM	1	24	18.68	18.74	18.62	
5	256QAM	12	0	18.70	18.59	18.60	
5	256QAM	12	7	18.68	18.50	18.69	20
5	256QAM	12	13	18.67	18.62	18.60	
5	256QAM	25	0	18.72	18.68	18.76	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.82	23.70	23.77	
3	QPSK	1	8	23.85	23.75	23.85	25
3	QPSK	1	14	23.67	23.58	23.75	
3	QPSK	8	0	22.54	22.56	22.58	
3	QPSK	8	4	22.85	22.74	22.82	24
3	QPSK	8	7	22.78	22.81	22.73	
3	QPSK	15	0	22.64	22.68	22.66	
3	16QAM	1	0	22.71	22.63	22.67	
3	16QAM	1	8	22.62	22.67	22.61	24
3	16QAM	1	14	22.78	22.60	22.68	
3	16QAM	8	0	21.69	21.67	21.71	
3	16QAM	8	4	21.75	21.76	21.69	23
3	16QAM	8	7	21.75	21.78	21.82	
3	16QAM	15	0	21.59	21.59	21.59	
3	64QAM	1	0	22.12	21.94	22.02	
3	64QAM	1	8	21.82	21.87	21.88	23
3	64QAM	1	14	21.97	22.04	22.02	
3	64QAM	8	0	20.59	20.75	20.74	
3	64QAM	8	4	20.92	20.80	20.75	22
3	64QAM	8	7	20.92	20.80	20.72	
3	64QAM	15	0	20.70	20.67	20.69	
3	256QAM	1	0	18.70	18.65	18.73	
3	256QAM	1	8	18.80	18.72	18.66	20
3	256QAM	1	14	18.77	18.67	18.64	
3	256QAM	8	0	18.80	18.57	18.65	
3	256QAM	8	4	18.61	18.50	18.65	20
3	256QAM	8	7	18.72	18.49	18.71	
3	256QAM	15	0	18.61	18.60	18.80	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.83	23.68	23.71	
1.4	QPSK	1	3	23.82	23.73	23.75	
1.4	QPSK	1	5	23.74	23.65	23.74	25
1.4	QPSK	3	0	23.74	23.57	23.65	
1.4	QPSK	3	1	23.79	23.59	23.63	
1.4	QPSK	3	3	23.60	23.62	23.61	
1.4	QPSK	6	0	22.74	22.63	22.65	24
1.4	16QAM	1	0	22.73	22.68	22.71	
1.4	16QAM	1	3	22.59	22.65	22.64	
1.4	16QAM	1	5	22.76	22.66	22.68	24
1.4	16QAM	3	0	22.72	22.54	22.61	
1.4	16QAM	3	1	22.51	22.50	22.60	
1.4	16QAM	3	3	22.61	22.52	22.65	
1.4	16QAM	6	0	21.57	21.58	21.60	23
1.4	64QAM	1	0	22.00	21.94	21.89	
1.4	64QAM	1	3	21.89	21.82	21.85	
1.4	64QAM	1	5	22.06	21.99	22.10	23
1.4	64QAM	3	0	21.97	21.89	21.86	
1.4	64QAM	3	1	21.80	21.69	21.77	
1.4	64QAM	3	3	21.97	21.89	22.06	
1.4	64QAM	6	0	20.76	20.76	20.75	22
1.4	256QAM	1	0	18.75	18.68	18.65	
1.4	256QAM	1	3	18.81	18.64	18.79	
1.4	256QAM	1	5	18.75	18.70	18.63	
1.4	256QAM	3	0	18.76	18.64	18.68	20
1.4	256QAM	3	1	18.73	18.52	18.65	
1.4	256QAM	3	3	18.66	18.53	18.64	
1.4	256QAM	6	0	18.79	18.61	18.79	20

Band 12_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)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.49	22.50	22.48	
10	QPSK	1	25	22.62	22.60	22.52	23.8
10	QPSK	1	49	22.54	22.46	22.44	
10	QPSK	25	0	22.52	22.49	22.44	
10	QPSK	25	12	22.58	22.59	22.50	23.8
10	QPSK	25	25	22.43	22.47	22.43	
10	QPSK	50	0	22.53	22.47	22.49	
10	16QAM	1	0	22.48	22.36	22.34	
10	16QAM	1	25	22.52	22.58	22.43	23.8
10	16QAM	1	49	22.53	22.42	22.42	
10	16QAM	25	0	21.54	21.67	21.56	
10	16QAM	25	12	21.68	21.69	21.45	22.8
10	16QAM	25	25	21.78	21.69	21.76	
10	16QAM	50	0	21.67	21.55	21.65	
10	64QAM	1	0	21.78	21.68	21.74	
10	64QAM	1	25	21.89	21.71	21.85	22.8
10	64QAM	1	49	21.83	21.61	21.84	
10	64QAM	25	0	20.58	20.69	20.64	
10	64QAM	25	12	20.58	20.53	20.66	21.8
10	64QAM	25	25	20.57	20.70	20.69	
10	64QAM	50	0	20.62	20.50	20.54	
10	256QAM	1	0	18.55	18.60	18.52	
10	256QAM	1	25	18.43	18.47	18.49	19.8
10	256QAM	1	49	18.54	18.53	18.40	
10	256QAM	25	0	18.41	18.54	18.38	
10	256QAM	25	12	18.41	18.57	18.51	19.8
10	256QAM	25	25	18.46	18.59	18.40	
10	256QAM	50	0	18.54	18.57	18.41	
Channel				23025	23095	23165	Tune-up lim

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.34		
10	QPSK	1	25		23.45		24.8
10	QPSK	1	49		23.41		
10	QPSK	25	0		22.43		
10	QPSK	25	12		22.58		23.8
10	QPSK	25	25		22.55		
10	QPSK	50	0		22.46		
10	16QAM	1	0		22.76		
10	16QAM	1	25		22.65		23.8
10	16QAM	1	49		22.82		
10	16QAM	25	0		21.50		
10	16QAM	25	12		21.54		22.8
10	16QAM	25	25		21.60		
10	16QAM	50	0		21.42		
10	64QAM	1	0		21.29		
10	64QAM	1	25		21.50		22.8
10	64QAM	1	49		21.41		
10	64QAM	25	0		20.53		
10	64QAM	25	12		20.57		21.8
10	64QAM	25	25		20.60		
10	64QAM	50	0		20.53		
10	256QAM	1	0		18.40		
10	256QAM	1	25		18.45		19.8
10	256QAM	1	49		18.42		
10	256QAM	25	0		18.31		
10	256QAM	25	12		18.39		19.8
10	256QAM	25	25		18.34		
10	256QAM	50	0		18.29		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.23	23.26	23.30	
5	QPSK	1	12	23.42	23.31	23.40	24.8
5	QPSK	1	24	23.40	23.32	23.35	
5	QPSK	12	0	22.30	22.33	22.38	
5	QPSK	12	7	22.55	22.54	22.50	23.8
5	QPSK	12	13	22.40	22.53	22.40	
5	QPSK	25	0	22.42	22.43	22.34	
5	16QAM	1	0	22.65	22.65	22.61	
5	16QAM	1	12	22.57	22.53	22.58	23.8
5	16QAM	1	24	22.67	22.77	22.73	
5	16QAM	12	0	21.38	21.47	21.42	
5	16QAM	12	7	21.48	21.51	21.44	22.8
5	16QAM	12	13	21.59	21.53	21.45	
5	16QAM	25	0	21.28	21.31	21.28	
5	64QAM	1	0	21.21	21.25	21.27	
5	64QAM	1	12	21.40	21.40	21.42	22.8
5	64QAM	1	24	21.29	21.26	21.32	
5	64QAM	12	0	20.48	20.50	20.43	
5	64QAM	12	7	20.52	20.53	20.56	21.8
5	64QAM	12	13	20.50	20.48	20.47	
5	64QAM	25	0	20.41	20.44	20.40	
5	256QAM	1	0	18.28	18.26	18.32	
5	256QAM	1	12	18.34	18.41	18.39	19.8
5	256QAM	1	24	18.32	18.29	18.27	
5	256QAM	12	0	18.27	18.20	18.29	
5	256QAM	12	7	18.32	18.31	18.32	
5	256QAM	12	13	18.23	18.30	18.30	19.8
5	256QAM	25	0	18.22	18.20	18.16	

Band 13_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)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		22.28		
10	QPSK	1	25		22.32		23.3
10	QPSK	1	49		22.25		
10	QPSK	25	0		22.10		
10	QPSK	25	12		22.30		23.3
10	QPSK	25	25		22.19		
10	QPSK	50	0		22.14		
10	16QAM	1	0		21.87		
10	16QAM	1	25		22.11		23.3
10	16QAM	1	49		22.00		
10	16QAM	25	0		21.10		
10	16QAM	25	12		21.07		22.3
10	16QAM	25	25		21.30		
10	16QAM	50	0		21.20		
10	64QAM	1	0		21.20		
10	64QAM	1	25		21.39		22.3
10	64QAM	1	49		21.38		
10	64QAM	25	0		20.07		
10	64QAM	25	12		20.11		21.3
10	64QAM	25	25		20.23		
10	64QAM	50	0		20.09		
10	256QAM	1	0		18.00		
10	256QAM	1	25		18.05		19.3
10	256QAM	1	49		18.02		
10	256QAM	25	0		17.99		
10	256QAM	25	12		17.85		19.3
10	256QAM	25	25		17.94		
10	256QAM	50	0		17.88		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.18	22.16	22.25	
5	QPSK	1	12	22.20	22.30	22.30	23.3
5	QPSK	1	24	22.13	22.17	22.19	
5	QPSK	12	0	22.00	22.07	22.06	
5	QPSK	12	7	22.27	22.19	22.19	23.3
5	QPSK	12	13	22.11	22.18	22.05	
5	QPSK	25	0	22.06	22.07	22.07	
5	16QAM	1	0	21.74	21.79	21.84	
5	16QAM	1	12	22.10	21.96	22.05	23.3
5	16QAM	1	24	21.97	21.93	21.92	
5	16QAM	12	0	21.09	21.02	21.09	
5	16QAM	12	7	21.02	20.94	21.04	22.3
5	16QAM	12	13	21.16	21.19	21.24	
5	16QAM	25	0	21.13	21.14	21.08	
5	64QAM	1	0	21.13	21.10	21.07	
5	64QAM	1	12	21.26	21.32	21.28	22.3
5	64QAM	1	24	21.36	21.30	21.33	
5	64QAM	12	0	19.99	20.04	19.92	
5	64QAM	12	7	20.03	20.09	20.09	21.3
5	64QAM	12	13	20.15	20.09	20.22	
5	64QAM	25	0	19.99	19.96	19.98	
5	256QAM	1	0	17.89	17.88	17.87	
5	256QAM	1	12	17.95	17.98	17.96	19.3
5	256QAM	1	24	17.91	17.90	17.92	
5	256QAM	12	0	17.95	17.91	17.86	
5	256QAM	12	7	17.84	17.82	17.80	19.3
5	256QAM	12	13	17.87	17.87	17.88	
5	256QAM	25	0	17.78	17.76	17.78	

Band 17_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)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.43	23.78	23.45	
10	QPSK	1	25	23.75	23.80	23.71	25
10	QPSK	1	49	23.65	23.56	23.66	
10	QPSK	25	0	22.60	22.65	22.64	
10	QPSK	25	12	22.75	22.78	22.74	24
10	QPSK	25	25	22.70	22.76	22.67	
10	QPSK	50	0	22.73	22.75	22.71	
10	16QAM	1	0	22.87	22.73	22.88	
10	16QAM	1	25	22.86	22.83	22.76	24
10	16QAM	1	49	22.99	22.79	23.08	
10	16QAM	25	0	21.69	21.66	21.72	
10	16QAM	25	12	21.81	21.78	21.70	23
10	16QAM	25	25	21.79	21.67	21.68	
10	16QAM	50	0	21.70	21.60	21.64	
10	64QAM	1	0	21.79	21.81	21.73	
10	64QAM	1	25	21.91	21.93	21.95	23
10	64QAM	1	49	21.83	21.78	22.01	
10	64QAM	25	0	20.61	20.73	20.63	
10	64QAM	25	12	20.77	20.63	20.62	22
10	64QAM	25	25	20.76	20.71	20.69	
10	64QAM	50	0	20.73	20.64	20.57	
10	256QAM	1	0	18.45	18.53	18.47	
10	256QAM	1	25	18.46	18.60	18.46	20
10	256QAM	1	49	18.55	18.56	18.51	
10	256QAM	25	0	18.50	18.51	18.49	
10	256QAM	25	12	18.54	18.48	18.46	20
10	256QAM	25	25	18.54	18.56	18.50	
10	256QAM	50	0	18.49	18.46	18.51	
Channel				25	350	7015	Tune-up limit (dBm)
Frequency (MHz)				2.5	352	701.5	
5	QPSK	1	0	23.32	23.75	23.44	
5	QPSK	1	12	23.71	23.72	23.59	25
5	QPSK	1	24	23.60	23.51	23.51	
5	QPSK	12	0	22.55	22.55	22.62	
5	QPSK	12	7	22.74	22.75	22.67	24
5	QPSK	12	13	22.64	22.72	22.66	
5	QPSK	25	0	22.71	22.73	22.64	
5	16QAM	1	0	22.74	22.67	22.75	
5	16QAM	1	12	22.80	22.81	22.69	24
5	16QAM	1	24	22.93	22.72	23.04	
5	16QAM	12	0	21.61	21.52	21.62	
5	16QAM	12	7	21.68	21.77	21.65	23
5	16QAM	12	13	21.64	21.62	21.62	
5	16QAM	25	0	21.59	21.46	21.55	
5	64QAM	1	0	21.72	21.69	21.64	
5	64QAM	1	12	21.77	21.78	21.81	23
5	64QAM	1	24	21.82	21.72	22.00	
5	64QAM	12	0	20.46	20.67	20.54	
5	64QAM	12	7	20.71	20.61	20.61	22
5	64QAM	12	13	20.61	20.65	20.57	
5	64QAM	25	0	20.60	20.53	20.50	
5	256QAM	1	0	18.30	18.40	18.33	
5	256QAM	1	12	18.43	18.45	18.40	20
5	256QAM	1	24	18.41	18.41	18.47	
5	256QAM	12	0	18.40	18.40	18.39	
5	256QAM	12	7	18.45	18.45	18.33	20
5	256QAM	12	13	18.53	18.42	18.48	
5	256QAM	25	0	18.43	18.41	18.37	

Band 17_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)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.34	22.51	22.41	
10	QPSK	1	25	22.47	22.55	22.45	23.8
10	QPSK	1	49	22.41	22.45	22.36	
10	QPSK	25	0	22.39	22.35	22.30	
10	QPSK	25	12	22.40	22.45	22.38	23.8
10	QPSK	25	25	22.29	22.34	22.31	
10	QPSK	50	0	22.37	22.40	22.39	
10	16QAM	1	0	22.39	22.49	22.36	
10	16QAM	1	25	22.34	22.49	22.35	23.8
10	16QAM	1	49	22.36	22.48	22.30	
10	16QAM	25	0	21.56	21.63	21.64	
10	16QAM	25	12	21.74	21.64	21.66	22.8
10	16QAM	25	25	21.80	21.71	21.71	
10	16QAM	50	0	21.74	21.63	21.62	
10	64QAM	1	0	21.85	21.60	21.84	
10	64QAM	1	25	21.89	21.74	21.85	22.8
10	64QAM	1	49	21.63	21.70	21.94	
10	64QAM	25	0	20.58	20.54	20.65	
10	64QAM	25	12	20.74	20.64	20.81	21.8
10	64QAM	25	25	20.76	20.81	20.73	
10	64QAM	50	0	20.66	20.65	20.64	
10	256QAM	1	0	18.54	18.55	18.50	
10	256QAM	1	25	18.51	18.59	18.48	19.8
10	256QAM	1	49	18.57	18.59	18.52	
10	256QAM	25	0	18.55	18.55	18.42	
10	256QAM	25	12	18.52	18.57	18.41	19.8
10	256QAM	25	25	18.49	18.58	18.49	
10	256QAM	50	0	18.59	18.49	18.44	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.26	22.36	22.38	
5	QPSK	1	12	22.41	22.40	22.37	23.8
5	QPSK	1	24	22.36	22.40	22.31	
5	QPSK	12	0	22.31	22.34	22.26	
5	QPSK	12	7	22.27	22.30	22.24	23.8
5	QPSK	12	13	22.20	22.32	22.30	
5	QPSK	25	0	22.34	22.32	22.38	
5	16QAM	1	0	22.31	22.42	22.22	
5	16QAM	1	12	22.23	22.44	22.27	23.8
5	16QAM	1	24	22.34	22.36	22.27	
5	16QAM	12	0	21.45	21.51	21.62	
5	16QAM	12	7	21.63	21.62	21.61	22.8
5	16QAM	12	13	21.75	21.65	21.63	
5	16QAM	25	0	21.63	21.48	21.47	
5	64QAM	1	0	21.84	21.57	21.74	
5	64QAM	1	12	21.87	21.61	21.80	22.8
5	64QAM	1	24	21.52	21.56	21.91	
5	64QAM	12	0	20.53	20.49	20.59	
5	64QAM	12	7	20.65	20.58	20.78	21.8
5	64QAM	12	13	20.69	20.75	20.63	
5	64QAM	25	0	20.57	20.54	20.53	
5	256QAM	1	0	18.47	18.54	18.43	
5	256QAM	1	12	18.44	18.50	18.36	19.8
5	256QAM	1	24	18.42	18.55	18.39	
5	256QAM	12	0	18.47	18.47	18.38	
5	256QAM	12	7	18.37	18.54	18.35	19.8
5	256QAM	12	13	18.43	18.50	18.37	
5	256QAM	25	0	18.55	18.40	18.39	

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.21	21.30	21.24	
20	QPSK	1	49	21.31	21.36	21.25	22
20	QPSK	1	99	21.16	21.34	21.12	
20	QPSK	50	0	21.17	21.29	21.20	
20	QPSK	50	24	21.22	21.32	21.22	22
20	QPSK	50	50	21.26	21.29	21.20	
20	QPSK	100	0	21.26	21.28	21.10	
20	16QAM	1	0	21.16	21.28	21.11	
20	16QAM	1	49	21.29	21.22	21.20	22
20	16QAM	1	99	21.29	21.33	21.10	
20	16QAM	50	0	21.28	21.33	21.17	
20	16QAM	50	24	21.20	21.33	21.15	22
20	16QAM	50	50	21.30	21.34	21.22	
20	16QAM	100	0	21.17	21.21	21.16	
20	64QAM	1	0	21.24	21.21	21.11	
20	64QAM	1	49	21.17	21.23	21.17	22
20	64QAM	1	99	21.19	21.27	21.14	
20	64QAM	50	0	21.28	21.25	21.10	
20	64QAM	50	24	21.29	21.29	21.12	22
20	64QAM	50	50	21.20	21.33	21.10	
20	64QAM	100	0	21.16	21.24	21.24	
20	256QAM	1	0	18.98	18.96	19.05	
20	256QAM	1	49	18.96	19.09	19.02	20
20	256QAM	1	99	18.87	19.00	19.00	
20	256QAM	50	0	18.88	18.97	19.05	
20	256QAM	50	24	18.93	18.97	19.07	20
20	256QAM	50	50	19.01	18.95	19.06	
20	256QAM	100	0	19.00	18.99	18.95	
Channel				26115	26340	26565	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.13	21.16	21.09	
15	QPSK	1	37	21.28	21.34	21.19	22
15	QPSK	1	74	21.01	21.26	21.03	
15	QPSK	36	0	21.07	21.28	21.07	
15	QPSK	36	20	21.17	21.28	21.08	22
15	QPSK	36	39	21.13	21.18	21.08	
15	QPSK	75	0	21.24	21.22	21.09	
15	16QAM	1	0	21.07	21.26	21.00	
15	16QAM	1	37	21.07	21.12	21.16	22
15	16QAM	1	74	21.16	21.18	21.01	
15	16QAM	36	0	21.16	21.31	21.09	
15	16QAM	36	20	21.08	21.20	21.14	22
15	16QAM	36	39	21.20	21.21	21.16	
15	16QAM	75	0	21.02	21.16	21.01	
15	64QAM	1	0	21.23	21.19	21.02	
15	64QAM	1	37	21.05	21.12	21.11	22
15	64QAM	1	74	21.05	21.18	21.07	
15	64QAM	36	0	21.17	21.10	20.99	
15	64QAM	36	20	21.25	21.28	21.09	22
15	64QAM	36	39	21.05	21.32	20.96	
15	64QAM	75	0	21.06	21.21	21.20	
15	256QAM	1	0	18.86	18.95	19.00	
15	256QAM	1	37	18.89	18.95	18.87	20
15	256QAM	1	74	18.83	18.99	18.93	
15	256QAM	36	0	18.85	18.86	18.95	
15	256QAM	36	20	18.83	18.86	18.98	20
15	256QAM	36	39	18.99	18.83	19.00	
15	256QAM	75	0	18.99	18.96	18.83	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	21.08	21.28	21.15	
10	QPSK	1	25	21.28	21.27	21.23	22
10	QPSK	1	49	21.05	21.29	21.03	
10	QPSK	25	0	21.17	21.20	21.06	
10	QPSK	25	12	21.17	21.21	21.20	22
10	QPSK	25	25	21.20	21.18	21.09	
10	QPSK	50	0	21.15	21.22	20.95	
10	16QAM	1	0	21.03	21.27	20.98	
10	16QAM	1	25	21.12	21.12	21.06	22
10	16QAM	1	49	21.18	21.22	21.07	
10	16QAM	25	0	21.14	21.29	21.10	
10	16QAM	25	12	21.07	21.23	21.12	22
10	16QAM	25	25	21.20	21.25	21.16	
10	16QAM	50	0	21.16	21.07	21.07	
10	64QAM	1	0	21.20	21.08	21.05	
10	64QAM	1	25	21.08	21.13	21.06	22
10	64QAM	1	49	21.10	21.22	21.01	
10	64QAM	25	0	21.17	21.18	20.96	
10	64QAM	25	12	21.21	21.27	21.01	22
10	64QAM	25	25	21.12	21.29	21.02	
10	64QAM	50	0	21.08	21.23	21.09	
10	256QAM	1	0	18.97	18.91	18.91	
10	256QAM	1	25	18.94	19.02	18.99	20
10	256QAM	1	49	18.80	18.91	18.91	
10	256QAM	25	0	18.87	18.96	18.98	
10	256QAM	25	12	18.92	18.96	18.99	20
10	256QAM	25	25	18.93	18.83	18.95	
10	256QAM	50	0	18.92	18.95	18.96	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.16	21.27	21.21	
5	QPSK	1	12	21.22	21.27	21.16	22
5	QPSK	1	24	21.15	21.22	20.99	
5	QPSK	12	0	21.11	21.19	21.09	
5	QPSK	12	7	21.19	21.28	21.13	22
5	QPSK	12	13	21.11	21.27	21.17	
5	QPSK	25	0	21.15	21.16	21.08	
5	16QAM	1	0	21.09	21.15	20.98	
5	16QAM	1	12	21.14	21.07	21.11	22
5	16QAM	1	24	21.21	21.25	21.09	
5	16QAM	12	0	21.21	21.24	21.06	
5	16QAM	12	7	21.09	21.22	21.10	22
5	16QAM	12	13	21.20	21.27	21.16	
5	16QAM	25	0	21.04	21.20	21.01	
5	64QAM	1	0	21.15	21.06	21.09	
5	64QAM	1	12	21.18	21.14	21.12	22
5	64QAM	1	24	21.18	21.24	21.09	
5	64QAM	12	0	21.20	21.18	21.00	
5	64QAM	12	7	21.26	21.18	20.97	22
5	64QAM	12	13	21.21	21.29	21.08	
5	64QAM	25	0	21.15	21.09	21.14	
5	256QAM	1	0	18.96	18.87	18.90	
5	256QAM	1	12	18.87	18.95	18.97	20
5	256QAM	1	24	18.86	18.86	18.97	
5	256QAM	12	0	18.87	18.96	18.92	
5	256QAM	12	7	18.87	18.88	19.00	20
5	256QAM	12	13	18.98	18.84	18.96	
5	256QAM	25	0	18.94	18.97	18.96	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	21.19	21.20	21.20	
3	QPSK	1	8	21.30	21.34	21.13	22
3	QPSK	1	14	21.14	21.23	21.00	
3	QPSK	8	0	21.13	21.14	21.19	
3	QPSK	8	4	21.23	21.19	21.07	22
3	QPSK	8	7	21.12	21.21	21.17	
3	QPSK	15	0	21.22	21.13	20.95	
3	16QAM	1	0	21.05	21.15	21.01	
3	16QAM	1	8	21.09	21.21	21.18	22
3	16QAM	1	14	21.23	21.24	21.07	
3	16QAM	8	0	21.17	21.30	21.15	
3	16QAM	8	4	21.10	21.21	21.08	22
3	16QAM	8	7	21.21	21.25	21.19	
3	16QAM	15	0	21.13	21.19	21.10	
3	64QAM	1	0	21.21	21.08	21.06	
3	64QAM	1	8	21.02	21.13	21.05	22
3	64QAM	1	14	21.13	21.25	21.10	
3	64QAM	8	0	21.26	21.20	21.07	
3	64QAM	8	4	21.27	21.19	20.98	22
3	64QAM	8	7	21.05	21.22	21.06	
3	64QAM	15	0	21.12	21.13	21.18	
3	256QAM	1	0	18.96	18.88	18.93	
3	256QAM	1	8	18.87	18.95	18.90	20
3	256QAM	1	14	18.80	18.97	18.98	
3	256QAM	8	0	18.80	18.90	19.01	
3	256QAM	8	4	18.90	18.87	18.96	20
3	256QAM	8	7	18.86	18.80	18.91	
3	256QAM	15	0	18.94	18.94	18.91	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.07	21.15	21.22	
1.4	QPSK	1	3	21.21	21.29	21.16	
1.4	QPSK	1	5	21.12	21.33	20.99	22
1.4	QPSK	3	0	21.14	21.27	21.18	
1.4	QPSK	3	1	21.19	21.25	21.15	
1.4	QPSK	3	3	21.23	21.19	21.16	
1.4	QPSK	6	0	21.13	21.26	21.09	22
1.4	16QAM	1	0	21.14	21.25	21.09	
1.4	16QAM	1	3	21.18	21.09	21.06	
1.4	16QAM	1	5	21.18	21.30	21.02	22
1.4	16QAM	3	0	21.13	21.20	21.07	
1.4	16QAM	3	1	21.08	21.21	21.03	
1.4	16QAM	3	3	21.28	21.28	21.08	
1.4	16QAM	6	0	21.03	21.13	21.09	22
1.4	64QAM	1	0	21.11	21.11	21.09	
1.4	64QAM	1	3	21.06	21.08	21.05	
1.4	64QAM	1	5	21.04	21.15	21.05	22
1.4	64QAM	3	0	21.17	21.20	21.09	
1.4	64QAM	3	1	21.26	21.27	21.08	
1.4	64QAM	3	3	21.12	21.23	20.95	
1.4	64QAM	6	0	21.06	21.21	21.09	22
1.4	256QAM	1	0	18.87	18.94	18.91	
1.4	256QAM	1	3	18.84	18.99	18.97	
1.4	256QAM	1	5	18.82	18.92	18.88	20
1.4	256QAM	3	0	18.75	18.93	19.00	
1.4	256QAM	3	1	18.84	18.91	18.97	
1.4	256QAM	3	3	18.95	18.89	18.96	
1.4	256QAM	6	0	18.89	18.94	18.84	20

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	18.85	19.01	18.89	
20	QPSK	1	49	19.00	19.05	19.02	19.8
20	QPSK	1	99	18.96	18.98	18.89	
20	QPSK	50	0	18.87	18.90	18.95	
20	QPSK	50	24	18.94	19.02	19.00	19.8
20	QPSK	50	50	18.85	18.93	18.93	
20	QPSK	100	0	18.93	18.96	18.88	
20	16QAM	1	0	18.73	19.00	18.74	
20	16QAM	1	49	18.92	19.01	18.99	19.8
20	16QAM	1	99	18.89	18.89	18.86	
20	16QAM	50	0	18.86	18.87	18.91	
20	16QAM	50	24	18.80	18.89	18.88	
20	16QAM	50	50	18.85	18.81	18.86	19.8
20	16QAM	100	0	18.78	18.82	18.81	
20	64QAM	1	0	18.80	18.98	18.80	
20	64QAM	1	49	18.88	18.94	18.89	19.8
20	64QAM	1	99	18.92	18.90	18.75	
20	64QAM	50	0	18.81	18.78	18.85	
20	64QAM	50	24	18.90	18.89	18.96	19.8
20	64QAM	50	50	18.74	18.89	18.84	
20	64QAM	100	0	18.85	18.80	18.77	
20	256QAM	1	0	18.72	18.80	18.83	
20	256QAM	1	49	18.68	18.84	18.73	19.8
20	256QAM	1	99	18.75	18.84	18.76	
20	256QAM	50	0	18.67	18.75	18.79	
20	256QAM	50	24	18.79	18.74	18.81	19.8
20	256QAM	50	50	18.77	18.73	18.79	
20	256QAM	100	0	18.71	18.84	18.85	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.75	18.92	18.77	
15	QPSK	1	37	18.86	18.99	19.00	19.8
15	QPSK	1	74	18.88	18.97	18.82	
15	QPSK	36	0	18.78	18.77	18.83	
15	QPSK	36	20	18.87	18.88	18.88	19.8
15	QPSK	36	39	18.71	18.91	18.85	
15	QPSK	75	0	18.86	18.92	18.74	
15	16QAM	1	0	18.92	18.92	18.60	
15	16QAM	1	37	18.88	18.88	18.87	19.8
15	16QAM	1	74	18.79	18.88	18.75	
15	16QAM	36	0	18.77	18.74	18.85	
15	16QAM	36	20	18.87	18.82	18.80	19.8
15	16QAM	36	39	18.75	18.68	18.85	
15	16QAM	75	0	18.76	18.68	18.77	
15	64QAM	1	0	18.74	18.95	18.78	
15	64QAM	1	37	18.81	18.83	18.75	19.8
15	64QAM	1	74	18.85	18.77	18.76	
15	64QAM	36	0	18.67	18.74	18.84	
15	64QAM	36	20	18.79	18.82	18.88	19.8
15	64QAM	36	39	18.65	18.76	18.69	
15	64QAM	75	0	18.68	18.73	18.65	
15	256QAM	1	0	18.70	18.74	18.72	
15	256QAM	1	37	18.57	18.73	18.60	19.8
15	256QAM	1	74	18.66	18.71	18.74	
15	256QAM	36	0	18.66	18.64	18.65	
15	256QAM	36	20	18.70	18.63	18.80	19.8
15	256QAM	36	39	18.75	18.62	18.77	
15	256QAM	75	0	18.57	18.81	18.81	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.77	18.96	18.78	
10	QPSK	1	25	18.88	18.99	18.99	19.8
10	QPSK	1	49	18.95	18.90	18.81	
10	QPSK	25	0	18.85	18.94	18.94	
10	QPSK	25	12	18.92	18.95	18.88	19.8
10	QPSK	25	25	18.71	18.81	18.90	
10	QPSK	50	0	18.86	18.92	18.82	
10	16QAM	1	0	18.82	18.81	18.65	
10	16QAM	1	25	18.90	18.96	18.95	19.8
10	16QAM	1	49	18.79	18.85	18.85	
10	16QAM	25	0	18.80	18.73	18.76	
10	16QAM	25	12	18.73	18.78	18.75	19.8
10	16QAM	25	25	18.74	18.67	18.79	
10	16QAM	50	0	18.74	18.73	18.80	
10	64QAM	1	0	18.76	18.92	18.76	
10	64QAM	1	25	18.73	18.85	18.83	19.8
10	64QAM	1	49	18.81	18.76	18.68	
10	64QAM	25	0	18.75	18.67	18.84	
10	64QAM	25	12	18.87	18.84	18.81	19.8
10	64QAM	25	25	18.73	18.87	18.69	
10	64QAM	50	0	18.83	18.72	18.65	
10	256QAM	1	0	18.71	18.76	18.71	
10	256QAM	1	25	18.60	18.69	18.72	19.8
10	256QAM	1	49	18.69	18.75	18.63	
10	256QAM	25	0	18.66	18.69	18.72	
10	256QAM	25	12	18.74	18.71	18.79	19.8
10	256QAM	25	25	18.69	18.72	18.65	
10	256QAM	50	0	18.65	18.72	18.83	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.81	18.88	18.77	
5	QPSK	1	12	18.85	18.94	18.92	19.8
5	QPSK	1	24	18.93	18.87	18.83	
5	QPSK	12	0	18.89	18.79	18.94	
5	QPSK	12	7	18.90	18.91	18.98	19.8
5	QPSK	12	13	18.73	18.79	18.83	
5	QPSK	25	0	18.81	18.85	18.80	
5	16QAM	1	0	18.81	18.93	18.68	
5	16QAM	1	12	18.83	18.89	18.90	19.8
5	16QAM	1	24	18.85	18.81	18.73	
5	16QAM	12	0	18.73	18.83	18.86	
5	16QAM	12	7	18.69	18.81	18.83	19.8
5	16QAM	12	13	18.78	18.70	18.73	
5	16QAM	25	0	18.76	18.69	18.69	
5	64QAM	1	0	18.78	18.90	18.73	
5	64QAM	1	12	18.78	18.90	18.82	19.8
5	64QAM	1	24	18.86	18.73	18.67	
5	64QAM	12	0	18.77	18.68	18.84	
5	64QAM	12	7	18.79	18.78	18.87	19.8
5	64QAM	12	13	18.68	18.86	18.79	
5	64QAM	25	0	18.74	18.74	18.76	
5	256QAM	1	0	18.69	18.78	18.72	
5	256QAM	1	12	18.56	18.79	18.58	19.8
5	256QAM	1	24	18.74	18.71	18.61	
5	256QAM	12	0	18.52	18.61	18.63	
5	256QAM	12	7	18.64	18.68	18.66	19.8
5	256QAM	12	13	18.68	18.62	18.73	
5	256QAM	25	0	18.54	18.72	18.71	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.80	18.97	18.88	
3	QPSK	1	8	18.91	18.90	18.98	19.8
3	QPSK	1	14	18.95	18.85	18.87	
3	QPSK	8	0	18.75	18.75	18.84	
3	QPSK	8	4	18.81	18.99	18.89	19.8
3	QPSK	8	7	18.72	18.90	18.78	
3	QPSK	15	0	18.85	18.82	18.80	
3	16QAM	1	0	18.63	18.94	18.61	
3	16QAM	1	8	18.88	18.88	18.97	19.8
3	16QAM	1	14	18.84	18.74	18.75	
3	16QAM	8	0	18.73	18.84	18.79	
3	16QAM	8	4	18.77	18.83	18.76	19.8
3	16QAM	8	7	18.80	18.69	18.74	
3	16QAM	15	0	18.71	18.67	18.76	
3	64QAM	1	0	18.77	18.90	18.72	
3	64QAM	1	8	18.68	18.88	18.77	19.8
3	64QAM	1	14	18.82	18.83	18.72	
3	64QAM	8	0	18.69	18.70	18.72	
3	64QAM	8	4	18.83	18.85	18.87	19.8
3	64QAM	8	7	18.64	18.81	18.74	
3	64QAM	15	0	18.70	18.77	18.75	
3	256QAM	1	0	18.62	18.76	18.70	
3	256QAM	1	8	18.54	18.76	18.70	19.8
3	256QAM	1	14	18.68	18.79	18.63	
3	256QAM	8	0	18.56	18.60	18.75	
3	256QAM	8	4	18.67	18.67	18.77	19.8
3	256QAM	8	7	18.65	18.69	18.71	
3	256QAM	15	0	18.66	18.73	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.80	19.00	18.83	
1.4	QPSK	1	3	18.91	18.97	18.98	
1.4	QPSK	1	5	18.84	18.88	18.87	19.8
1.4	QPSK	3	0	18.75	18.81	18.85	
1.4	QPSK	3	1	18.80	18.95	18.93	
1.4	QPSK	3	3	18.83	18.86	18.88	
1.4	QPSK	6	0	18.78	18.84	18.75	19.8
1.4	16QAM	1	0	18.67	18.88	18.72	
1.4	16QAM	1	3	18.84	18.89	18.93	
1.4	16QAM	1	5	18.82	18.76	18.83	19.8
1.4	16QAM	3	0	18.83	18.74	18.79	
1.4	16QAM	3	1	18.79	18.86	18.86	
1.4	16QAM	3	3	18.70	18.78	18.84	
1.4	16QAM	6	0	18.70	18.74	18.72	19.8
1.4	64QAM	1	0	18.59	18.72	18.72	
1.4	64QAM	1	3	18.81	18.81	18.78	
1.4	64QAM	1	5	18.86	18.79	18.65	19.8
1.4	64QAM	3	0	18.70	18.77	18.79	
1.4	64QAM	3	1	18.88	18.82	18.79	
1.4	64QAM	3	3	18.65	18.82	18.79	
1.4	64QAM	6	0	18.75	18.82	18.73	19.8
1.4	256QAM	1	0	18.59	18.67	18.75	
1.4	256QAM	1	3	18.59	18.81	18.61	
1.4	256QAM	1	5	18.66	18.81	18.69	19.8
1.4	256QAM	3	0	18.59	18.61	18.77	
1.4	256QAM	3	1	18.78	18.65	18.77	
1.4	256QAM	3	3	18.62	18.62	18.67	
1.4	256QAM	6	0	18.63	18.82	18.71	19.8

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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)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.52	19.57	19.50	
20	QPSK	1	49	19.57	19.66	19.60	20
20	QPSK	1	99	19.56	19.52	19.51	
20	QPSK	50	0	19.44	19.52	19.52	
20	QPSK	50	24	19.50	19.59	19.53	20
20	QPSK	50	50	19.48	19.56	19.48	
20	QPSK	100	0	19.48	19.57	19.54	
20	16QAM	1	0	19.42	19.47	19.43	
20	16QAM	1	49	19.45	19.53	19.55	20
20	16QAM	1	99	19.49	19.38	19.48	
20	16QAM	50	0	19.38	19.46	19.47	
20	16QAM	50	24	19.37	19.51	19.54	20
20	16QAM	50	50	19.42	19.51	19.45	
20	16QAM	100	0	19.46	19.48	19.39	
20	64QAM	1	0	19.46	19.50	19.46	
20	64QAM	1	49	19.46	19.54	19.56	20
20	64QAM	1	99	19.42	19.42	19.40	
20	64QAM	50	0	19.29	19.38	19.49	
20	64QAM	50	24	19.41	19.45	19.49	20
20	64QAM	50	50	19.46	19.50	19.40	
20	64QAM	100	0	19.43	19.55	19.45	
20	256QAM	1	0	18.40	18.38	18.40	
20	256QAM	1	49	18.38	18.35	18.40	19
20	256QAM	1	99	18.30	18.43	18.35	
20	256QAM	50	0	18.33	18.39	18.44	
20	256QAM	50	24	18.32	18.31	18.39	19
20	256QAM	50	50	18.40	18.35	18.44	
20	256QAM	100	0	18.35	18.41	18.41	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.45	19.43	19.36	

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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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.79	23.66	23.71	
15	QPSK	1	37	23.92	23.80	23.79	25
15	QPSK	1	74	23.89	23.70	23.64	
15	QPSK	36	0	22.71	22.68	22.65	
15	QPSK	36	20	22.88	22.82	22.80	24
15	QPSK	36	39	22.84	22.78	22.59	
15	QPSK	75	0	22.80	22.78	22.77	
15	16QAM	1	0	23.14	23.05	22.88	
15	16QAM	1	37	23.15	23.10	22.81	24
15	16QAM	1	74	23.00	22.80	23.08	
15	16QAM	36	0	21.75	21.69	21.62	
15	16QAM	36	20	21.86	21.81	21.72	23
15	16QAM	36	39	21.86	21.76	21.78	
15	16QAM	75	0	21.74	21.68	21.70	
15	64QAM	1	0	21.99	21.85	22.06	
15	64QAM	1	37	21.90	21.71	21.93	23
15	64QAM	1	74	21.91	21.70	22.04	
15	64QAM	36	0	20.60	20.67	20.68	
15	64QAM	36	20	20.79	20.80	20.81	22
15	64QAM	36	39	20.84	20.77	20.82	
15	64QAM	75	0	20.84	20.75	20.76	
15	256QAM	1	0	18.53	18.53	18.54	
15	256QAM	1	37	18.51	18.56	18.55	20
15	256QAM	1	74	18.47	18.61	18.53	
15	256QAM	36	0	18.60	18.60	18.53	
15	256QAM	36	20	18.61	18.53	18.60	20
15	256QAM	36	39	18.57	18.60	18.62	
15	256QAM	75	0	18.47	18.66	18.51	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.70	23.60	23.67	
10	QPSK	1	25	23.83	23.79	23.66	25
10	QPSK	1	49	23.88	23.60	23.54	
10	QPSK	25	0	22.60	22.59	22.58	
10	QPSK	25	12	22.81	22.77	22.73	24
10	QPSK	25	25	22.72	22.77	22.57	
10	QPSK	50	0	22.69	22.73	22.67	
10	QPSK	50	25	23.02	23.04	22.83	
10	16QAM	1	25	23.12	22.96	22.71	24
10	16QAM	1	49	22.87	22.67	23.00	
10	16QAM	25	0	21.61	21.66	21.60	
10	16QAM	25	12	21.75	21.76	21.59	23
10	16QAM	25	25	21.72	21.75	21.76	
10	16QAM	50	0	21.61	21.54	21.57	
10	64QAM	1	0	21.88	21.81	21.91	
10	64QAM	1	25	21.77	21.69	21.82	23
10	64QAM	1	49	21.84	21.58	21.96	
10	64QAM	25	0	20.47	20.53	20.65	
10	64QAM	25	12	20.74	20.72	20.80	22
10	64QAM	25	25	20.82	20.72	20.78	
10	64QAM	50	0	20.78	20.64	20.61	
10	256QAM	1	0	18.46	18.39	18.52	
10	256QAM	1	25	18.46	18.42	18.52	20
10	256QAM	1	49	18.42	18.48	18.41	
10	256QAM	25	0	18.52	18.53	18.46	
10	256QAM	25	12	18.59	18.40	18.50	20
10	256QAM	25	25	18.55	18.59	18.57	
10	256QAM	50	0	18.44	18.54	18.42	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.66	23.61	23.59	
5	QPSK	1	12	23.78	23.70	23.77	25
5	QPSK	1	24	23.78	23.58	23.62	
5	QPSK	12	0	22.66	22.57	22.63	
5	QPSK	12	7	22.75	22.68	22.68	24
5	QPSK	12	13	22.80	22.75	22.46	
5	QPSK	25	0	22.75	22.66	22.66	
5	16QAM	1	0	23.08	23.04	22.87	
5	16QAM	1	12	23.08	22.99	22.73	24
5	16QAM	1	24	22.93	22.67	22.99	
5	16QAM	12	0	21.74	21.68	21.58	
5	16QAM	12	7	21.77	21.72	21.65	23
5	16QAM	12	13	21.81	21.64	21.70	
5	16QAM	25	0	21.59	21.56	21.66	
5	64QAM	1	0	21.86	21.73	22.02	
5	64QAM	1	12	21.84	21.66	21.81	23
5	64QAM	1	24	21.83	21.55	22.02	
5	64QAM	12	0	20.45	20.62	20.61	
5	64QAM	12	7	20.74	20.76	20.78	22
5	64QAM	12	13	20.78	20.72	20.70	
5	64QAM	25	0	20.74	20.71	20.72	
5	256QAM	1	0	18.44	18.48	18.43	
5	256QAM	1	12	18.37	18.53	18.49	20
5	256QAM	1	24	18.39	18.51	18.39	
5	256QAM	12	0	18.48	18.48	18.41	
5	256QAM	12	7	18.49	18.50	18.54	20
5	256QAM	12	13	18.52	18.53	18.51	
5	256QAM	25	0	18.34	18.59	18.44	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.66	23.64	23.62	
3	QPSK	1	8	23.87	23.69	23.74	25
3	QPSK	1	14	23.74	23.56	23.55	
3	QPSK	8	0	22.56	22.62	22.51	
3	QPSK	8	4	22.79	22.72	22.71	24
3	QPSK	8	7	22.79	22.65	22.57	
3	QPSK	15	0	22.71	22.62	22.69	
3	16QAM	1	0	23.01	22.92	22.84	
3	16QAM	1	8	23.14	22.95	22.68	24
3	16QAM	1	14	22.91	22.75	23.06	
3	16QAM	8	0	21.71	21.65	21.59	
3	16QAM	8	4	21.84	21.78	21.68	23
3	16QAM	8	7	21.72	21.65	21.75	
3	16QAM	15	0	21.65	21.57	21.68	
3	64QAM	1	0	21.87	21.74	21.99	
3	64QAM	1	8	21.81	21.61	21.88	23
3	64QAM	1	14	21.79	21.59	22.02	
3	64QAM	8	0	20.48	20.60	20.65	
3	64QAM	8	4	20.72	20.69	20.67	22
3	64QAM	8	7	20.83	20.66	20.80	
3	64QAM	15	0	20.82	20.74	20.63	
3	256QAM	1	0	18.44	18.38	18.48	
3	256QAM	1	8	18.45	18.54	18.52	20
3	256QAM	1	14	18.37	18.47	18.41	
3	256QAM	8	0	18.58	18.56	18.39	
3	256QAM	8	4	18.54	18.49	18.59	20
3	256QAM	8	7	18.44	18.47	18.47	
3	256QAM	15	0	18.42	18.63	18.46	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.74	23.56	23.57	
1.4	QPSK	1	3	23.79	23.67	23.70	
1.4	QPSK	1	5	23.79	23.59	23.63	25
1.4	QPSK	3	0	23.69	23.51	23.54	
1.4	QPSK	3	1	23.70	23.65	23.66	
1.4	QPSK	3	3	23.76	23.45	23.57	
1.4	QPSK	6	0	22.68	22.73	22.66	24
1.4	16QAM	1	0	23.11	22.99	22.90	
1.4	16QAM	1	3	23.12	22.97	22.84	
1.4	16QAM	1	5	22.94	22.88	23.05	24
1.4	16QAM	3	0	23.08	22.85	22.73	
1.4	16QAM	3	1	22.98	22.96	22.84	
1.4	16QAM	3	3	22.86	22.79	22.97	
1.4	16QAM	6	0	21.82	21.58	21.68	23
1.4	64QAM	1	0	21.98	21.83	22.00	
1.4	64QAM	1	3	21.77	21.69	21.87	
1.4	64QAM	1	5	21.83	21.66	21.89	23
1.4	64QAM	3	0	21.87	21.72	21.92	
1.4	64QAM	3	1	21.68	21.80	21.82	
1.4	64QAM	3	3	21.74	21.62	21.84	
1.4	64QAM	6	0	20.74	20.60	20.68	22
1.4	256QAM	1	0	18.51	18.52	18.44	
1.4	256QAM	1	3	18.50	18.43	18.40	
1.4	256QAM	1	5	18.42	18.49	18.45	20
1.4	256QAM	3	0	18.47	18.51	18.44	
1.4	256QAM	3	1	18.47	18.39	18.53	
1.4	256QAM	3	3	18.42	18.45	18.58	
1.4	256QAM	6	0	18.38	18.51	18.46	20

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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)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.97	21.94	21.87	
15	QPSK	1	37	22.02	22.00	21.97	23.3
15	QPSK	1	74	21.92	21.95	21.82	
15	QPSK	36	0	21.90	21.81	21.79	
15	QPSK	36	20	21.92	21.83	21.82	23.3
15	QPSK	36	39	21.91	21.82	21.80	
15	QPSK	75	0	21.90	21.88	21.83	
15	16QAM	1	0	21.78	21.76	21.85	
15	16QAM	1	37	21.84	21.78	21.81	23.3
15	16QAM	1	74	21.84	21.76	21.78	
15	16QAM	36	0	21.36	21.38	21.27	
15	16QAM	36	20	21.57	21.46	21.48	22.8
15	16QAM	36	39	21.52	21.45	21.46	
15	16QAM	75	0	21.58	21.38	21.34	
15	64QAM	1	0	21.60	21.66	21.53	
15	64QAM	1	37	21.66	21.37	21.47	22.8
15	64QAM	1	74	21.64	21.46	21.58	
15	64QAM	36	0	20.45	20.37	20.33	
15	64QAM	36	20	20.57	20.41	20.39	21.8
15	64QAM	36	39	20.58	20.40	20.45	
15	64QAM	75	0	20.52	20.42	20.50	
15	256QAM	1	0	18.28	18.19	18.20	
15	256QAM	1	37	18.19	18.27	18.23	19.8
15	256QAM	1	74	18.21	18.26	18.16	
15	256QAM	36	0	18.26	18.24	18.26	
15	256QAM	36	20	18.25	18.22	18.22	19.8
15	256QAM	36	39	18.31	18.28	18.25	
15	256QAM	75	0	18.25	18.25	18.21	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.89	21.89	21.86	
10	QPSK	1	25	21.90	21.87	21.88	23.3
10	QPSK	1	49	21.86	21.86	21.74	
10	QPSK	25	0	21.78	21.77	21.84	
10	QPSK	25	12	21.87	21.77	21.82	23.3
10	QPSK	25	25	21.85	21.81	21.80	
10	QPSK	50	0	21.84	21.75	21.79	
10	16QAM	1	0	21.72	21.70	21.74	
10	16QAM	1	25	21.71	21.65	21.77	23.3
10	16QAM	1	49	21.76	21.64	21.67	
10	16QAM	25	0	21.22	21.24	21.21	
10	16QAM	25	12	21.51	21.33	21.44	22.8
10	16QAM	25	25	21.42	21.36	21.45	
10	16QAM	50	0	21.44	21.28	21.27	
10	64QAM	1	0	21.53	21.65	21.41	
10	64QAM	1	25	21.56	21.35	21.36	22.8
10	64QAM	1	49	21.36	21.36	21.52	
10	64QAM	25	0	20.41	20.33	20.19	
10	64QAM	25	12	20.45	20.36	20.27	21.8
10	64QAM	25	25	20.49	20.26	20.44	
10	64QAM	50	0	20.53	20.44	20.40	
10	256QAM	1	0	18.17	18.04	18.16	
10	256QAM	1	25	18.13	18.17	18.14	19.8
10	256QAM	1	49	18.19	18.15	18.10	
10	256QAM	25	0	18.22	18.13	18.13	
10	256QAM	25	12	18.17	18.19	18.07	19.8
10	256QAM	25	25	18.19	18.19	18.22	
10	256QAM	50	0	18.22	18.21	18.15	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.88	21.92	21.80	
5	QPSK	1	12	21.88	21.85	21.95	23.3
5	QPSK	1	24	21.78	21.93	21.71	
5	QPSK	12	0	21.76	21.67	21.82	
5	QPSK	12	7	21.90	21.82	21.84	23.3
5	QPSK	12	13	21.88	21.73	21.76	
5	QPSK	25	0	21.81	21.75	21.71	
5	16QAM	1	0	21.73	21.73	21.70	
5	16QAM	1	12	21.72	21.73	21.77	23.3
5	16QAM	1	24	21.81	21.75	21.74	
5	16QAM	12	0	21.21	21.29	21.15	
5	16QAM	12	7	21.49	21.36	21.33	22.8
5	16QAM	12	13	21.48	21.36	21.35	
5	16QAM	25	0	21.43	21.30	21.25	
5	64QAM	1	0	21.58	21.63	21.48	
5	64QAM	1	12	21.55	21.22	21.42	22.8
5	64QAM	1	24	21.41	21.32	21.47	
5	64QAM	12	0	20.44	20.32	20.20	
5	64QAM	12	7	20.52	20.35	20.27	21.8
5	64QAM	12	13	20.46	20.25	20.33	
5	64QAM	25	0	20.54	20.50	20.47	
5	256QAM	1	0	18.21	18.07	18.16	
5	256QAM	1	12	18.12	18.20	18.22	19.8
5	256QAM	1	24	18.12	18.15	18.07	
5	256QAM	12	0	18.15	18.15	18.19	
5	256QAM	12	7	18.21	18.17	18.15	19.8
5	256QAM	12	13	18.25	18.24	18.19	
5	256QAM	25	0	18.17	18.11	18.06	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.84	21.91	21.81	
3	QPSK	1	8	21.99	21.93	21.96	23.3
3	QPSK	1	14	21.86	21.85	21.73	
3	QPSK	8	0	21.85	21.69	21.81	
3	QPSK	8	4	21.77	21.81	21.88	23.3
3	QPSK	8	7	21.90	21.72	21.76	
3	QPSK	15	0	21.86	21.82	21.70	
3	16QAM	1	0	21.76	21.71	21.82	
3	16QAM	1	8	21.82	21.67	21.72	23.3
3	16QAM	1	14	21.83	21.64	21.70	
3	16QAM	8	0	21.26	21.32	21.24	
3	16QAM	8	4	21.53	21.33	21.44	22.8
3	16QAM	8	7	21.41	21.34	21.33	
3	16QAM	15	0	21.53	21.36	21.27	
3	64QAM	1	0	21.46	21.58	21.43	
3	64QAM	1	8	21.64	21.30	21.40	22.8
3	64QAM	1	14	21.44	21.33	21.55	
3	64QAM	8	0	20.44	20.23	20.32	
3	64QAM	8	4	20.50	20.31	20.36	21.8
3	64QAM	8	7	20.50	20.28	20.44	
3	64QAM	15	0	20.48	20.51	20.38	
3	256QAM	1	0	18.15	18.15	18.06	
3	256QAM	1	8	18.10	18.19	18.22	19.8
3	256QAM	1	14	18.08	18.22	18.09	
3	256QAM	8	0	18.17	18.23	18.22	
3	256QAM	8	4	18.24	18.12	18.08	19.8
3	256QAM	8	7	18.17	18.22	18.19	
3	256QAM	15	0	18.16	18.12	18.07	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.83	21.85	21.82	
1.4	QPSK	1	3	21.99	21.89	21.95	
1.4	QPSK	1	5	21.81	21.91	21.72	23.3
1.4	QPSK	3	0	21.85	21.80	21.83	
1.4	QPSK	3	1	21.90	21.79	21.87	
1.4	QPSK	3	3	21.88	21.74	21.74	
1.4	QPSK	6	0	21.86	21.87	21.68	23.3
1.4	16QAM	1	0	21.69	21.74	21.74	
1.4	16QAM	1	3	21.78	21.74	21.78	
1.4	16QAM	1	5	21.83	21.64	21.65	23.3
1.4	16QAM	3	0	21.75	21.67	21.73	
1.4	16QAM	3	1	21.81	21.71	21.80	
1.4	16QAM	3	3	21.81	21.72	21.70	
1.4	16QAM	6	0	21.49	21.35	21.25	22.8
1.4	64QAM	1	0	21.50	21.65	21.50	
1.4	64QAM	1	3	21.58	21.25	21.35	
1.4	64QAM	1	5	21.37	21.31	21.52	22.8
1.4	64QAM	3	0	21.45	21.63	21.44	
1.4	64QAM	3	1	21.44	21.19	21.20	
1.4	64QAM	3	3	21.28	21.22	21.47	
1.4	64QAM	6	0	20.55	20.44	20.37	21.8
1.4	256QAM	1	0	18.18	18.16	18.19	
1.4	256QAM	1	3	18.09	18.21	18.14	
1.4	256QAM	1	5	18.20	18.18	18.04	19.8
1.4	256QAM	3	0	18.24	18.17	18.11	
1.4	256QAM	3	1	18.11	18.08	18.12	
1.4	256QAM	3	3	18.23	18.27	18.24	
1.4	256QAM	6	0	18.22	18.17	18.06	19.8

Band 30_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.33		
10	QPSK	1	25		22.35		22.8
10	QPSK	1	49		22.25		
10	QPSK	25	0		22.29		
10	QPSK	25	12		22.32		22.8
10	QPSK	25	25		22.25		
10	QPSK	50	0		22.31		
10	16QAM	1	0		22.22		
10	16QAM	1	25		22.28		22.8
10	16QAM	1	49		22.31		
10	16QAM	25	0		22.30		
10	16QAM	25	12		22.28		22.8
10	16QAM	25	25		22.31		
10	16QAM	50	0		22.23		
10	64QAM	1	0		22.24		
10	64QAM	1	25		22.20		22.8
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.44		
10	64QAM	25	12		21.50		21.8
10	64QAM	25	25		21.42		
10	64QAM	50	0		21.32		
10	256QAM	1	0		19.30		
10	256QAM	1	25		19.38		19.8
10	256QAM	1	49		19.29		
10	256QAM	25	0		19.26		
10	256QAM	25	12		19.27		19.8
10	256QAM	25	25		19.25		
10	256QAM	50	0		19.26		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.24	22.23	22.30	
5	QPSK	1	12	22.31	22.27	22.25	22.8
5	QPSK	1	24	22.18	22.23	22.17	
5	QPSK	12	0	22.19	22.16	22.25	
5	QPSK	12	7	22.21	22.21	22.30	22.8
5	QPSK	12	13	22.18	22.24	22.15	
5	QPSK	25	0	22.21	22.16	22.22	
5	16QAM	1	0	22.11	22.10	22.18	
5	16QAM	1	12	22.20	22.27	22.14	22.8
5	16QAM	1	24	22.19	22.26	22.24	
5	16QAM	12	0	22.29	22.19	22.28	
5	16QAM	12	7	22.16	22.19	22.14	22.8
5	16QAM	12	13	22.28	22.27	22.17	
5	16QAM	25	0	22.13	22.14	22.17	
5	64QAM	1	0	22.15	22.23	22.15	
5	64QAM	1	12	22.10	22.17	22.18	22.8
5	64QAM	1	24	22.22	22.17	22.21	
5	64QAM	12	0	21.40	21.36	21.41	
5	64QAM	12	7	21.49	21.45	21.40	21.8
5	64QAM	12	13	21.35	21.38	21.31	
5	64QAM	25	0	21.31	21.31	21.29	
5	256QAM	1	0	19.17	19.20	19.15	
5	256QAM	1	12	19.36	19.31	19.34	19.8
5	256QAM	1	24	19.23	19.26	19.18	
5	256QAM	12	0	19.25	19.14	19.23	
5	256QAM	12	7	19.23	19.19	19.17	19.8
5	256QAM	12	13	19.16	19.23	19.14	
5	256QAM	25	0	19.12	19.24	19.25	

Band 30_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)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		20.92		
10	QPSK	1	25		21.02		21.3
10	QPSK	1	49		20.92		
10	QPSK	25	0		20.91		
10	QPSK	25	12		20.92		21.3
10	QPSK	25	25		20.87		
10	QPSK	50	0		20.90		
10	16QAM	1	0		20.94		
10	16QAM	1	25		20.88		21.3
10	16QAM	1	49		20.95		
10	16QAM	25	0		20.99		
10	16QAM	25	12		20.93		21.3
10	16QAM	25	25		20.94		
10	16QAM	50	0		20.96		
10	64QAM	1	0		20.99		
10	64QAM	1	25		20.96		21.3
10	64QAM	1	49		20.88		
10	64QAM	25	0		20.52		
10	64QAM	25	12		20.57		20.8
10	64QAM	25	25		20.55		
10	64QAM	50	0		20.57		
10	256QAM	1	0		18.41		
10	256QAM	1	25		18.43		18.8
10	256QAM	1	49		18.45		
10	256QAM	25	0		18.39		
10	256QAM	25	12		18.46		18.8
10	256QAM	25	25		18.44		
10	256QAM	50	0		18.46		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.79	20.77	20.90	
5	QPSK	1	12	20.91	20.89	20.87	21.3
5	QPSK	1	24	20.88	20.90	20.90	
5	QPSK	12	0	20.84	20.90	20.76	
5	QPSK	12	7	20.85	20.78	20.90	21.3
5	QPSK	12	13	20.80	20.83	20.86	
5	QPSK	25	0	20.76	20.78	20.87	
5	16QAM	1	0	20.80	20.84	20.82	
5	16QAM	1	12	20.78	20.74	20.73	21.3
5	16QAM	1	24	20.81	20.93	20.85	
5	16QAM	12	0	20.97	20.94	20.93	
5	16QAM	12	7	20.84	20.86	20.83	21.3
5	16QAM	12

Band 30_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		16.42		17.8
10	QPSK	1	25		16.50		
10	QPSK	1	49		16.47		
10	QPSK	25	0		16.31		17.8
10	QPSK	25	12		16.47		
10	QPSK	25	25		16.46		
10	QPSK	50	0		16.42		17.8
10	16QAM	1	0		16.35		
10	16QAM	1	25		16.44		
10	16QAM	1	49		16.42		
10	16QAM	25	0		16.29		17.8
10	16QAM	25	12		16.46		
10	16QAM	25	25		16.43		
10	16QAM	50	0		16.29		17.8
10	64QAM	1	0		16.30		
10	64QAM	1	25		16.46		
10	64QAM	1	49		16.38		
10	64QAM	25	0		16.29		17.8
10	64QAM	25	12		16.35		
10	64QAM	25	25		16.31		
10	64QAM	50	0		16.27		17.8
10	256QAM	1	0		16.30		
10	256QAM	1	25		16.44		
10	256QAM	1	49		16.43		
10	256QAM	25	0		16.20		17.8
10	256QAM	25	12		16.32		
10	256QAM	25	25		16.35		
10	256QAM	50	0		16.28		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	16.37	16.37	16.33	17.8
5	QPSK	1	12	16.46	16.41	16.49	
5	QPSK	1	24	16.43	16.46	16.33	
5	QPSK	12	0	16.29	16.18	16.29	17.8
5	QPSK	12	7	16.36	16.32	16.32	
5	QPSK	12	13	16.43	16.42	16.32	
5	QPSK	25	0	16.31	16.27	16.33	17.8
5	16QAM	1	0	16.33	16.21	16.26	
5	16QAM	1	12	16.30	16.38	16.39	
5	16QAM	1	24	16.27	16.33	16.30	
5	16QAM	12	0	16.18	16.15	16.17	17.8
5	16QAM	12	7	16.44	16.33	16.44	
5	16QAM	12	13	16.34	16.29	16.38	
5	16QAM	25	0	16.18	16.23	16.20	
5	64QAM	1	0	16.17	16.24	16.20	17.8
5	64QAM	1	12	16.41	16.34	16.38	
5	64QAM	1	24	16.29	16.33	16.33	
5	64QAM	12	0	16.25	16.21	16.17	17.8
5	64QAM	12	7	16.26	16.30	16.24	
5	64QAM	12	13	16.22	16.21	16.30	
5	64QAM	25	0	16.26	16.22	16.19	
5	256QAM	1	0	16.21	16.27	16.27	17.8
5	256QAM	1	12	16.31	16.42	16.37	
5	256QAM	1	24	16.31	16.29	16.40	
5	256QAM	12	0	16.06	16.08	16.08	17.8
5	256QAM	12	7	16.18	16.22	16.29	
5	256QAM	12	13	16.30	16.34	16.21	
5	256QAM	25	0	16.18	16.15	16.13	

Band 30_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		20.65		21.8
10	QPSK	1	25		20.72		
10	QPSK	1	49		20.67		
10	QPSK	25	0		20.51		21.8
10	QPSK	25	12		20.60		
10	QPSK	25	25		20.56		
10	QPSK	50	0		20.52		21.8
10	16QAM	1	0		20.64		
10	16QAM	1	25		20.66		
10	16QAM	1	49		20.63		
10	16QAM	25	0		20.57		21.8
10	16QAM	25	12		20.58		
10	16QAM	25	25		20.62		
10	16QAM	50	0		20.63		21.8
10	64QAM	1	0		20.50		
10	64QAM	1	25		20.63		
10	64QAM	1	49		20.53		
10	64QAM	25	0		20.50		21.3
10	64QAM	25	12		20.35		
10	64QAM	25	25		20.45		
10	64QAM	50	0		20.39		21.3
10	256QAM	1	0		18.55		
10	256QAM	1	25		18.49		19.3
10	256QAM	1	49		18.52		
10	256QAM	25	0		18.30		19.3
10	256QAM	25	12		18.27		
10	256QAM	25	25		18.21		
10	256QAM	50	0		18.25		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.50	20.56	20.62	21.8
5	QPSK	1	12	20.58	20.65	20.59	
5	QPSK	1	24	20.59	20.52	20.60	
5	QPSK	12	0	20.47	20.44	20.49	21.8
5	QPSK	12	7	20.52	20.46	20.47	
5	QPSK	12	13	20.54	20.45	20.52	
5	QPSK	25	0	20.47	20.51	20.40	21.8
5	16QAM	1	0	20.52	20.62	20.58	
5	16QAM	1	12	20.45	20.52	20.52	
5	16QAM	1	24	20.58	20.48	20.61	
5	16QAM	12	0	20.55	20.51	20.42	21.8
5	16QAM	12	7	20.55	20.44	20.55	
5	16QAM	12	13	20.50	20.56	20.48	
5	16QAM	25	0	20.55	20.61	20.62	
5	64QAM	1	0	20.45	20.44	20.47	21.8
5	64QAM	1	12	20.63	20.54	20.58	
5	64QAM	1	24	20.41	20.47	20.46	
5	64QAM	12	0	20.34	20.43	20.25	21.3
5	64QAM	12	7	20.29	20.26	20.23	
5	64QAM	12	13	20.19	20.40	20.40	
5	64QAM	25	0	20.32	20.38	20.13	
5	256QAM	1	0	18.45	18.52	18.36	19.3
5	256QAM	1	12	18.21	18.36	18.25	
5	256QAM	1	24	18.42	18.42	18.43	
5	256QAM	12	0	18.13	18.19	18.13	19.3
5	256QAM	12	7	18.15	18.26	18.14	
5	256QAM	12	13	17.97	18.17	18.03	
5	256QAM	25	0	18.14	18.11	18.09	

Band 66_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.69	22.67	22.59	23.5
20	QPSK	1	49	22.75	22.80	22.73	
20	QPSK	1	99	22.65	22.67	22.67	
20	QPSK	50	0	22.72	22.72	22.67	23.5
20	QPSK	50	24	22.73	22.77	22.73	
20	QPSK	50	50	22.63	22.76	22.59	
20	QPSK	100	0	22.63	22.75	22.72	23.5
20	16QAM	1	0	22.72	22.72	22.60	
20	16QAM	1	49	22.66	22.66	22.69	
20	16QAM	1	99	22.60	22.69	22.58	
20	16QAM	50	0	22.20	22.25	22.40	23
20	16QAM	50	24	22.36	22.33	22.31	
20	16QAM	50	50	22.13	22.23	22.25	
20	16QAM	100	0	22.26	22.26	22.19	
20	64QAM	1	0	22.23	22.31	22.20	23
20	64QAM	1	49	22.03	22.17	22.10	
20	64QAM	1	99	22.24	22.19	22.16	
20	64QAM	50	0	21.23	21.34	21.21	22
20	64QAM	50	24	21.24	21.32	21.20	
20	64QAM	50	50	21.09	21.29	21.19	
20	64QAM	100	0	21.26	21.23	21.22	
20	256QAM	1	0	19.21	19.25	19.07	20
20	256QAM	1	49	19.13	19.15	19.07	
20	256QAM	1	99	19.10	19.23	19.07	
20	256QAM	50	0	19.11	19.13	19.08	20
20	256QAM	50	24	19.22	19.16	19.21	
20	256QAM	50	50	19.12	19.27	19.21	
20	256QAM	100	0	19.19	19.26	19.09	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.47	22.59	22.66	23.5
15	QPSK	1	37	22.60	22.75	22.71	
15	QPSK	1	74	22.47	22.70	22.63	
15	QPSK	36	0	22.40	22.61	22.56	
15	QPSK	36	20	22.51	22.61	22.60	23.5
15	QPSK	36	39	22.41	22.54	22.45	
15	QPSK	75	0	22.37	22.62	22.47	
15	16QAM	1	0	22.52	22.72	22.49	
15	16QAM	1	37	22.63	22.72	22.63	23.5
15	16QAM	1	74	22.47	22.72	22.52	
15	16QAM	36	0	22.08	22.20	22.37	23
15	16QAM	36	20	22.25	22.18	22.26	
15	16QAM	36	39	22.09	22.22	22.12	
15	16QAM	75	0	22.20	22.11	22.14	
15	64QAM	1	0	22.20	22.20	22.08	23
15	64QAM	1	37	22.01	22.10	22.09	
15	64QAM	1	74	22.21	22.11	22.08	
15	64QAM	36	0	21.21	21.27	21.13	22
15	64QAM	36	20	21.14	21.28	21.18	
15	64QAM	36	39	20.96	21.15	21.13	
15	64QAM	75	0	21.19	21.19	21.16	
15	256QAM	1	0	19.19	19.13	18.99	20
15	256QAM	1	37	19.11	19.05	19.02	
15	256QAM	1	74	19.09	19.14	18.94	
15	256QAM	36	0	19.10	19.11	19.01	20
15	256QAM	36	20	19.18	19.05	19.10	
15	256QAM	36	39	18.97	19.14	19.06	
15	256QAM	75	0	19.18	19.12	19.02	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.54	22.60	22.62	23.5
10	QPSK	1	25	22.68	22.69	22.69	
10	QPSK	1	49	22.52	22.67	22.58	
10	QPSK	25	0	22.38	22.51	22.53	23.5
10	QPSK	25	12	22.57	22.62	22.52	
10	QPSK	25	25	22.34	22.63	22.42	
10	QPSK	50	0	22.36	22.60	22.44	23.5
10	16QAM	1	0	22.47	22.62	22.60	
10	16QAM	1	25	22.60	22.66	22.63	
10	16QAM	1	49	22.45	22.66	22.46	
10	16QAM	25	0	22.10	22.23	22.35	23
10	16QAM	25	12	22.23	22.24	22.24	
10	16QAM	25	25	22.00	22.17	22.15	
10	16QAM	50	0	22.21	22.11	22.12	
10	64QAM	1	0	22.14	22.22	22.07	23
10	64QAM	1	25	21.91	22.10	22.09	
10	64QAM	1	49	22.17	22.16	21.96	
10	64QAM	25	0	21.18	21.32	21.15	22
10	64QAM	25	12	21.17	21.31	21.14	
10	64QAM	25	25	20.97	21.23	21.04	
10	64QAM	50	0	21.18	21.09	21.10	
10	256QAM	1	0	19.12	19.12	19.06	20
10	256QAM	1	25	18.98	19.12	19.02	
10	256QAM	1	49	19.02	19.11	19.04	
10	256QAM	25	0	19.02	19.05	19.01	20
10	256QAM	25	12	19.12	19.02	19.16	
10	256QAM	25	25	19.04	19.17	19.17	
10	256QAM	50	0	19.13	19.23	19.06	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.52	22.59	22.62	23.5
5	QPSK	1	12	22.65	22.75	22.70	
5	QPSK	1	24	22.50	22.74	22.60	
5	QPSK	12	0	22.42	22.40	22.59	
5	QPSK	12	7	22.59	22.66	22.55	23.5
5	QPSK	12	13	22.45	22.62	22.42	
5	QPSK	25	0	22.39	22.59	22.53	
5	16QAM	1	0	22.59	22.58	22.58	23.5
5	16QAM	1	12	22.57	22.62	22.60	
5	16QAM	1	24	22.46	22.59	22.60	
5	16QAM	12	0	22.06	22.12	22.29	23
5	16QAM	12	7	22.26	22.19	22.16	
5	16QAM	12	13	22.08	22.13	22.22	
5	16QAM	25	0	22.12	22.20	22.05	
5	64QAM	1	0	22.10	22.22	22.18	23
5	64QAM	1	12	22.02	22.05	22.07	
5	64QAM	1	24	22.17	22.12	21.96	
5	64QAM	12	0	21.17	21.22	21.07	22
5	64QAM	12	7	21.21	21.24	21.07	
5	64QAM	12	13	21.07	21.21	21.10	
5	64QAM	25	0	21.14	21.12	21.08	
5	256QAM	1	0	19.13	19.16	18.97	20
5	256QAM	1	12	19.06	19.10	19.03	
5	256QAM	1	24	19.08	19.13	19.05	
5	256QAM	12	0	19.05	19.09	19.00	
5	256QAM	12	7	19.10	19.13	19.19	20
5	256QAM	12	13	19.11	19.19	19.20	
5	256QAM	25	0	19.13	19.20	18.99	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.47	22.58	22.62	23.5
3	QPSK	1	8	22.66	22.71	22.70	
3	QPSK	1	14	22.50	22.74	22.63	
3	QPSK	8	0	22.47	22.48	22.52	23.5
3	QPSK	8	4	22.59	22.66	22.61	
3	QPSK	8	7	22.38	22.54	22.45	
3	QPSK	15	0	22.43	22.58	22.51	
3	16QAM	1	0	22.61	22.51	22.51	23.5
3	16QAM	1	8	22.59	22.63	22.54	
3	16QAM	1	14	22.56	22.67	22.55	
3	16QAM	8	0	22.09	22.18	22.39	23
3	16QAM	8	4	22.26	22.22	22.30	
3	16QAM	8	7	22.11	22.15	22.14	
3	16QAM	15	0	22.22	22.13	22.17	
3	64QAM	1	0	22.20	22.20	22.07	23
3	64QAM	1	8	21.97	22.07	22.03	
3	64QAM	1	14	22.09	22.10	22.04	
3	64QAM	8	0	21.20	21.27	21.17	22
3	64QAM	8	4	21.11	21.29	21.11	
3	64QAM	8	7	21.04	21.25	21.11	
3	64QAM	15	0	21.16	21.09	21.15	
3	256QAM	1	0	19.18	19.20	19.01	20
3	256QAM	1	8	19.05	19.04	18.94	
3	256QAM	1	14	18.96	19.09	19.04	
3	256QAM	8	0	19.02	19.05	19.07	20
3	256QAM	8	4	19.19	19.15	19.19	
3	256QAM	8	7	19.09	19.13	19.16	
3	256QAM	15	0	19.09	19.23	19.03	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.51	22.52	22.68	23.5
1.4	QPSK	1	3	22.65	22.75	22.63	
1.4	QPSK	1	5	22.44	22.70	22.63	
1.4	QPSK	3	0	22.47	22.40	22.52	
1.4	QPSK	3	1	22.57	22.68	22.59	
1.4	QPSK	3	3	22.38	22.63	22.49	
1.4	QPSK	6	0	22.36	22.64	22.55	23.5
1.4	16QAM	1	0	22.55	22.66	22.57	23.5
1.4	16QAM	1	3	22.52	22.59	22.55	
1.4	16QAM	1	5	22.50	22.50	22.54	
1.4	16QAM	3	0	22.56	22.51	22.59	
1.4	16QAM	3	1	22.55	22.69	22.55	
1.4	16QAM	3	3	22.53	22.62	22.54	
1.4	16QAM	6	0	22.25	22.16	22.12	23
1.4	64QAM	1	0	22.16	22.21	22.17	23
1.4	64QAM	1	3	21.96	22.04	22.00	
1.4	64QAM	1	5	22.21	22.14	22.09	
1.4	64QAM	3	0	22.13	22.14	22.09	
1.4	64QAM	3	1	21.90	21.98	21.86	
1.4	64QAM	3	3	22.17	22.04	22.08	
1.4	64QAM	6	0	21.20	21.16	21.15	22
1.4	256QAM	1	0	19.12	19.10	18.95	20
1.4	256QAM	1	3	19.11	19.01	19.03	
1.4	256QAM	1	5	19.04	19.14	19.05	
1.4	256QAM	3	0	19.07	19.12	19.02	
1.4	256QAM	3	1	19.11	19.08	19.11	
1.4	256QAM	3	3	19.01	19.25	19.07	
1.4	256QAM	6	0	19.12	19.17	19.05	20

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.12	22.33	22.25	22.8
20	QPSK	1	49	22.25	22.38	22.30	
20	QPSK	1	99	22.20	22.29	22.27	
20	QPSK	50	0	22.10	22.28	22.28	22.8
20	QPSK	50	24	22.17	22.30	22.29	
20	QPSK	50	50	22.15	22.28	22.27	
20	QPSK	100	0	22.22	22.28	22.15	22.8
20	16QAM	1	0	22.22	22.26	22.25	
20	16QAM	1	49	22.12	22.28	22.15	
20	16QAM	1	99	22.14	22.30	22.19	
20	16QAM	50	0	22.14	21.99	22.14	22.8
20	16QAM	50	24	22.07	22.16	22.09	
20	16QAM	50	50	22.19	22.04	22.02	
20	16QAM	100	0	22.03	22.14	22.05	
20	64QAM	1	0	22.02	22.14	22.06	22.8
20	64QAM	1	49	22.05	21.98	21.88	
20	64QAM	1	99	21.89	22.00	21.92	
20	64QAM	50	0	21.29	20.99	21.14	21.8
20	64QAM	50	24	21.07	21.19	21.13	
20	64QAM	50	50	21.08	21.01	21.09	
20	64QAM	100	0	21.16	21.09	21.04	
20	256QAM	1	0	19.27	19.24	19.18	19.8
20	256QAM	1	49	19.19	19.17	19.16	
20	256QAM	1	99	19.14	19.17	19.15	
20	256QAM	50	0	19.16	19.23	19.07	19.8
20	256QAM	50	24	19.27	19.24	19.20	
20	256QAM	50	50	19.19	19.19	19.07	
20	256QAM	100	0	19.24	19.16	19.11	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.06	22.19	22.24	22.8
15	QPSK	1	37	22.17	22.26	22.22	
15	QPSK	1	74	22.19	22.19	22.25	
15	QPSK	36	0	22.06	22.20	22.22	22.8
15	QPSK	36	20	22.05	22.19	22.20	
15	QPSK	36	39	22.12	22.27	22.19	
15	QPSK	75	0	22.18	22.27	22.13	22.8
15	16QAM	1	0	22.20	22.25	22.14	
15	16QAM	1	37	22.06	22.24	22.14	22.8
15	16QAM	1	74	22.01	22.19	22.05	
15	16QAM	36	0	21.86	22.12	22.07	22.8
15	16QAM	36	20	22.12	21.97	22.06	
15	16QAM	36	39	21.96	22.07	21.99	
15	16QAM	75	0	22.03	21.90	21.91	
15	64QAM	1	0	21.99	22.09	22.04	22.8
15	64QAM	1	37	21.95	21.92	21.80	
15	64QAM	1	74	21.87	21.74	21.77	
15	64QAM	36	0	20.93	21.28	21.03	21.8
15	64QAM	36	20	21.06	20.97	21.00	
15	64QAM	36	39	20.86	21.01	20.95	
15	64QAM	75	0	20.96	21.06	20.93	
15	256QAM	1	0	19.12	19.13	19.04	19.8
15	256QAM	1	37	19.08	19.05	19.12	
15	256QAM	1	74	19.03	19.06	19.11	
15	256QAM	36	0	19.11	19.11	18.97	19.8
15	256QAM	36	20	19.17	19.20	19.19	
15	256QAM	36	39	19.14	19.09	18.95	
15	256QAM	75	0	19.04	19.11	19.06	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.07	22.20	22.11	22.8
10	QPSK	1	25	22.22	22.30	22.24	
10	QPSK	1	49	22.06	22.23	22.17	
10	QPSK	25	0	22.04	22.26	22.13	22.8
10	QPSK	25	12	22.02	22.15	22.24	
10	QPSK	25	25	22.01	22.15	22.12	
10	QPSK	50	0	22.12	22.16	22.12	22.8
10	16QAM	1	0	22.11	22.24	22.11	
10	16QAM	1	25	22.01	22.13	22.13	
10	16QAM	1	49	22.12	22.21	22.05	
10	16QAM	25	0	21.93	22.08	22.02	22.8
10	16QAM	25	12	22.15	21.92	21.96	
10	16QAM	25	25	21.98	22.10	22.00	
10	16QAM	50	0	22.01	21.91	21.95	
10	64QAM	1	0	22.07	22.01	21.94	22.8
10	64QAM	1	25	21.88	21.91	21.77	
10	64QAM	1	49	21.86	21.84	21.87	
10	64QAM	25	0	20.90	21.15	21.05	21.8
10	64QAM	25	12	21.13	20.94	21.01	
10	64QAM	25	25	20.91	21.07	21.08	
10	64QAM	50	0	20.94	21.05	20.91	
10	256QAM	1	0	19.23	19.12	19.17	19.8
10	256QAM	1	25	19.06	19.04	19.07	
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	19.19	19.01	19.01	19.8
10	256QAM	25	12	19.13	19.12	19.09	
10	256QAM	25	25	19.16	19.06	18.96	
10	256QAM	50	0	19.11	19.18	19.08	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.11	22.25	22.23	22.8
5	QPSK	1	12	22.20	22.34	22.22	
5	QPSK	1	24	22.11	22.22	22.21	
5	QPSK	12	0	22.07	22.17	22.19	22.8
5	QPSK	12	7	22.08	22.18	22.20	
5	QPSK	12	13	22.10	22.27	22.13	
5	QPSK	25	0	22.20	22.14	22.01	
5	16QAM	1	0	22.21	22.18	22.24	22.8
5	16QAM	1	12	22.09	22.14	22.11	
5	16QAM	1	24	22.13	22.22	22.15	
5	16QAM	12	0	21.87	22.05	22.08	22.8
5	16QAM	12	7	22.03	21.96	22.07	
5	16QAM	12	13	21.97	22.06	21.90	
5	16QAM

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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)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.80	19.82	19.86	20.3
20	QPSK	1	49	19.84	19.92	19.88	
20	QPSK	1	99	19.83	19.80	19.77	
20	QPSK	50	0	19.77	19.83	19.88	
20	QPSK	50	24	19.80	19.90	19.87	20.3
20	QPSK	50	50	19.74	19.83	19.77	
20	QPSK	100	0	19.78	19.86	19.84	
20	16QAM	1	0	19.72	19.74	19.71	
20	16QAM	1	49	19.82	19.79	19.85	20.3
20	16QAM	1	99	19.76	19.65	19.75	
20	16QAM	50	0	19.72	19.71	19.73	
20	16QAM	50	24	19.67	19.78	19.81	20.3
20	16QAM	50	50	19.73	19.77	19.65	
20	16QAM	100	0	19.74	19.77	19.75	
20	64QAM	1	0	19.78	19.74	19.75	
20	64QAM	1	49	19.75	19.89	19.85	20.3
20	64QAM	1	99	19.72	19.74	19.72	
20	64QAM	50	0	19.66	19.74	19.81	
20	64QAM	50	24	19.65	19.84	19.72	20.3
20	64QAM	50	50	19.62	19.79	19.64	
20	64QAM	100	0	19.73	19.83	19.74	
20	256QAM	1	0	19.10	19.21	19.14	
20	256QAM	1	49	19.16	19.18	19.18	19.8
20	256QAM	1	99	19.11	19.18	19.19	
20	256QAM	50	0	19.21	19.22	19.15	
20	256QAM	50	24	19.21	19.16	19.11	19.8
20	256QAM	50	50	19.18	19.15	19.10	
20	256QAM	100	0	19.23	19.15	19.21	
Channel				132447	132322	132197	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.76	19.70	19.84	20.3
15	QPSK	1	37	19.70	19.81	19.78	
15	QPSK	1	74	19.80	19.68	19.75	
15	QPSK	36	0	19.72	19.72	19.73	
15	QPSK	36	20	19.69	19.87	19.72	20.3
15	QPSK	36	39	19.71	19.81	19.64	
15	QPSK	75	0	19.63	19.79	19.75	
15	16QAM	1	0	19.66	19.60	19.58	
15	16QAM	1	37	19.78	19.71	19.79	20.3
15	16QAM	1	74	19.68	19.58	19.83	
15	16QAM	36	0	19.57	19.57	19.66	
15	16QAM	36	20	19.66	19.65	19.70	20.3
15	16QAM	36	39	19.61	19.79	19.53	
15	16QAM	75	0	19.70	19.65	19.60	
15	64QAM	1	0	19.67	19.71	19.69	
15	64QAM	1	37	19.72	19.88	19.71	20.3
15	64QAM	1	74	19.63	19.70	19.80	
15	64QAM	36	0	19.57	19.68	19.70	
15	64QAM	36	20	19.56	19.78	19.60	20.3
15	64QAM	36	39	19.59	19.70	19.60	
15	64QAM	75	0	19.65	19.81	19.63	
15	256QAM	1	0	19.01	19.07	19.01	
15	256QAM	1	37	19.05	19.06	19.06	19.8
15	256QAM	1	74	19.10	19.07	19.17	
15	256QAM	36	0	19.11	19.18	19.12	
15	256QAM	36	20	19.11	19.02	19.09	19.8
15	256QAM	36	39	19.15	19.13	18.96	
15	256QAM	75	0	19.18	19.02	19.14	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.75	19.77	19.80	20.3
10	QPSK	1	25	19.82	19.90	19.82	
10	QPSK	1	49	19.80	19.75	19.69	
10	QPSK	25	0	19.94	19.69	19.79	
10	QPSK	25	12	19.87	19.77	19.86	20.3
10	QPSK	25	25	19.59	19.68	19.62	
10	QPSK	50	0	19.65	19.83	19.76	
10	16QAM	1	0	19.57	19.65	19.63	
10	16QAM	1	25	19.76	19.76	19.75	20.3
10	16QAM	1	49	19.67	19.64	19.67	
10	16QAM	25	0	19.65	19.83	19.59	
10	16QAM	25	12	19.74	19.65	19.78	20.3
10	16QAM	25	25	19.70	19.65	19.57	
10	16QAM	50	0	19.64	19.65	19.67	
10	64QAM	1	0	19.67	19.67	19.66	
10	64QAM	1	25	19.74	19.77	19.75	20.3
10	64QAM	1	49	19.69	19.64	19.62	
10	64QAM	25	0	19.51	19.69	19.72	
10	64QAM	25	12	19.55	19.75	19.66	20.3
10	64QAM	25	25	19.49	19.74	19.62	
10	64QAM	50	0	19.60	19.75	19.64	
10	256QAM	1	0	19.00	19.06	19.10	
10	256QAM	1	25	19.11	19.07	19.17	19.8
10	256QAM	1	49	19.05	19.06	19.15	
10	256QAM	25	0	19.20	19.21	19.11	
10	256QAM	25	12	19.18	19.05	18.97	19.8
10	256QAM	25	25	19.12	19.00	19.07	
10	256QAM	50	0	19.19	19.10	19.11	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.78	19.75	19.85	20.3
5	QPSK	1	12	19.70	19.79	19.82	
5	QPSK	1	24	19.82	19.66	19.65	
5	QPSK	12	0	19.69	19.76	19.72	
5	QPSK	12	7	19.65	19.87	19.81	20.3
5	QPSK	12	13	19.59	19.82	19.62	
5	QPSK	25	0	19.72	19.85	19.76	
5	16QAM	1	0	19.67	19.70	19.70	
5	16QAM	1	12	19.68	19.70	19.84	20.3
5	16QAM	1	24	19.67	19.58	19.65	
5	16QAM	12	0	19.64	19.57	19.67	
5	16QAM	12	7	19.59	19.75	19.72	20.3
5	16QAM	12	13	19.61	19.67	19.55	
5	16QAM	25	0	19.73	19.69	19.65	
5	64QAM	1	0	19.75	19.71	19.63	
5	64QAM	1	12	19.61	19.78	19.76	20.3
5	64QAM	1	24	19.63	19.73	19.61	
5	64QAM	12	0	19.59	19.68	19.73	
5	64QAM	12	7	19.57	19.81	19.57	20.3
5	64QAM	12	13	19.62	19.70	19.58	
5	64QAM	25	0	19.64	19.71	19.62	
5	256QAM	1	0	18.95	19.18	19.04	
5	256QAM	1	12	19.10	19.04	19.07	19.8
5	256QAM	1	24	19.08	19.11	19.04	
5	256QAM	12	0	19.19	19.14	19.02	
5	256QAM	12	7	19.14	19.02	18.96	19.8
5	256QAM	12	13	19.10	19.03	19.02	
5	256QAM	25	0	19.10	19.03	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	19.66	19.80	19.78	20.3
3	QPSK	1	8	19.75	19.85	19.84	
3	QPSK	1	14	19.73	19.70	19.69	
3	QPSK	8	0	19.76	19.72	19.71	
3	QPSK	8	4	19.69	19.77	19.76	20.3
3	QPSK	8	7	19.68	19.74	19.66	
3	QPSK	15	0	19.65	19.85	19.79	
3	16QAM	1	0	19.66	19.69	19.64	
3	16QAM	1	8	19.67	19.64	19.81	20.3
3	16QAM	1	14	19.72	19.57	19.62	
3	16QAM	8	0	19.59	19.59	19.63	
3	16QAM	8	4	19.53	19.66	19.68	20.3
3	16QAM	8	7	19.68	19.71	19.58	
3	16QAM	15	0	19.65	19.72	19.66	
3	64QAM	1	0	19.67	19.69	19.67	
3	64QAM	1	8	19.74	19.81	19.76	20.3
3	64QAM	1	14	19.66	19.71	19.71	
3	64QAM	8	0	19.56	19.69	19.77	
3	64QAM	8	4	19.51	19.77	19.71	20.3
3	64QAM	8	7	19.49	19.74	19.51	
3	64QAM	15	0	19.66	19.82	19.61	
3	256QAM	1	0	19.05	19.15	19.13	
3	256QAM	1	8	19.06	19.16	19.05	19.8
3	256QAM	1	14	19.04	19.08	19.12	
3	256QAM	8	0	19.08	19.14	19.12	
3	256QAM	8	4	19.16	19.11	19.01	19.8
3	256QAM	8	7	19.10	19.10	18.95	
3	256QAM	15	0	19.21	19.12	19.11	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.67	19.72	19.76	20.3
1.4	QPSK	1	3	19.73	19.88	19.86	
1.4	QPSK	1	5	19.79	19.75	19.72	
1.4	QPSK	3	0	19.73	19.81	19.84	
1.4	QPSK	3	1	19.78	19.80	19.72	
1.4	QPSK	3	3	19.62	19.81	19.69	
1.4	QPSK	6	0	19.77	19.82	19.69	20.3
1.4	16QAM	1	0	19.64	19.59	19.56	20.3
1.4	16QAM	1	3	19.71	19.68	19.82	
1.4	16QAM	1	5	19.64	19.54	19.68	
1.4	16QAM	3	0	19.69	19.57	19.68	
1.4	16QAM	3	1	19.63	19.75	19.77	
1.4	16QAM	3	3	19.67	19.67	19.63	
1.4	16QAM	6	0	19.63	19.65	19.73	20.3
1.4	64QAM	1	0	19.72	19.68	19.65	20.3
1.4	64QAM	1	3	19.64	19.82	19.76	
1.4	64QAM	1	5	19.71	19.72	19.69	
1.4	64QAM	3	0	19.59	19.66	19.78	
1.4	64QAM	3	1	19.61	19.72	19.66	
1.4	64QAM	3	3	19.58	19.73	19.50	
1.4	64QAM	6	0	19.72	19.69	19.60	20.3
1.4	256QAM	1	0	19.08	19.12	19.08	19.8
1.4	256QAM	1	3	19.08	19.10	19.04	
1.4	256QAM	1	5	19.00	19.04	19.09	
1.4	256QAM	3	0	19.17	19.09	19.10	
1.4	256QAM	3	1	19.07	19.15	19.10	
1.4	256QAM	3	3	19.10	19.14	19.07	
1.4	256QAM	6	0	19.09	19.11	19.08	19.8

Band 66_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.87	20.92	20.92	21.5
20	QPSK	1	49	21.02	21.06	21.00	
20	QPSK	1	99	21.00	20.91	20.90	
20	QPSK	50	0	20.92	20.94	20.98	
20	QPSK	50	24	20.93	21.02	20.99	21.5
20	QPSK	50	50	20.94	21.01	20.91	
20	QPSK	100	0	20.95	21.00	20.92	
20	16QAM	1	0	20.74	20.77	20.83	
20	16QAM	1	49	20.94	21.02	20.97	21.5
20	16QAM	1	99	20.88	20.89	20.76	
20	16QAM	50	0	20.77	20.81	20.84	
20	16QAM	50	24	20.93	20.90	20.93	21.5
20	16QAM	50	50	20.82	20.93	20.87	
20	16QAM	100	0	20.84	20.94	20.89	
20	64QAM	1	0	20.81	20.81	20.90	
20	64QAM	1	49	20.88	21.05	20.98	21.5
20	64QAM	1	99	20.88	20.82	20.84	
20	64QAM	50	0	20.80	20.83	20.90	
20	64QAM	50	24	20.94	20.90	20.94	21.5
20	64QAM	50	50	20.81	20.86	20.86	
20	64QAM	100	0	20.82	20.93	20.86	
20	256QAM	1	0	19.10	19.18	19.16	20
20	256QAM	1	49	19.21	19.19	19.10	
20	256QAM	1	99	19.14	19.15	19.16	
20	256QAM	50	0	19.22	19.25	19.18	
20	256QAM	50	24	19.17	19.24	19.07	20
20	256QAM	50	50	19.16	19.13	19.11	
20	256QAM	100	0	19.24	19.14	19.10	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.80	20.86	20.78	21.5
15	QPSK	1	37	20.87	21.00	20.88	
15	QPSK	1	74	20.93	20.79	20.83	
15	QPSK	36	0	20.86	20.92	20.95	
15	QPSK	36	20	20.86	20.89	20.94	21.5
15	QPSK	36	39	20.89	20.96	20.86	
15	QPSK	75	0	20.92	20.88	20.82	
15	16QAM	1	0	20.73	20.83	20.71	
15	16QAM	1	37	20.82	20.99	20.88	21.5
15	16QAM	1	74	20.74	20.75	20.63	
15	16QAM	36	0	20.69	20.71	20.70	
15	16QAM	36	20	20.79	20.84	20.85	21.5
15	16QAM	36	39	20.67	20.78	20.62	
15	16QAM	75	0	20.70	20.91	20.78	
15	64QAM	1	0	20.66	20.70	20.81	
15	64QAM	1	37	20.82	21.02	20.89	21.5
15	64QAM	1	74	20.79	20.79	20.77	
15	64QAM	36	0	20.79	20.70	20.76	
15	64QAM	36	20	20.84	20.86	20.83	21.5
15	64QAM	36	39	20.74	20.74	20.71	
15	64QAM	75	0	20.68	20.91	20.83	
15	256QAM	1	0	18.95	19.07	19.02	
15	256QAM	1	37	19.17	19.05	18.97	20
15	256QAM	1	74	19.06	19.04	19.03	
15	256QAM	36	0	19.21	19.19	19.15	
15	256QAM	36	20	19.07	19.21	18.99	20
15	256QAM	36	39	19.09	19.01	19.09	
15	256QAM	75	0	19.15	19.02	19.02	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.78	20.83	20.84	21.5
10	QPSK	1	25	21.01	21.02	20.95	
10	QPSK	1	49	20.97	20.82	20.83	
10	QPSK	25	0	20.78	20.96	20.92	
10	QPSK	25	12	20.91	20.90	20.97	21.5
10	QPSK	25	25	20.82	20.93	20.84	
10	QPSK	50	0	20.91	20.96	20.90	
10	16QAM	1	0	20.63	20.78	20.79	
10	16QAM	1	25	20.82	20.92	20.91	21.5
10	16QAM	1	49	20.77	20.85	20.72	
10	16QAM	25	0	20.67	20.75	20.81	
10	16QAM	25	12	20.86	20.76	20.83	21.5
10	16QAM	25	25	20.72	20.87	20.75	
10	16QAM	50	0	20.79	20.81	20.82	
10	64QAM	1	0	20.77	20.79	20.79	
10	64QAM	1	25	20.78	21.02	20.86	21.5
10	64QAM	1	49	20.86	20.67	20.77	
10	64QAM	25	0	20.74	20.70	20.83	
10	64QAM	25	12	20.79	20.78	20.93	21.5
10	64QAM	25	25	20.74	20.79	20.75	
10	64QAM	50	0	20.78	20.95	20.83	
10	256QAM	1	0	19.00	19.14	19.03	
10	256QAM	1	25	19.18	19.08	19.07	20
10	256QAM	1	49	18.99	19.03	19.07	
10	256QAM	25	0	19.12	19.17	19.07	
10	256QAM	25	12	19.06	19.10	18.93	20
10	256QAM	25	25	19.07	19.09	19.10	
10	256QAM	50	0	19.16	19.06	18.96	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.83	20.85	20.85	21.5
5	QPSK	1	12	20.95	20.99	20.92	
5	QPSK	1	24	20.88	20.88	20.88	
5	QPSK	12	0	20.89	20.92	20.85	
5	QPSK	12	7	20.86	20.97	20.96	21.5
5	QPSK	12	13	20.88	20.98	20.86	
5	QPSK	25	0	20.84	20.87	20.81	
5	16QAM	1	0	20.63	20.88	20.76	
5	16QAM	1	12	20.92	20.99	20.82	21.5
5	16QAM	1	24	20.73	20.80	20.62	
5	16QAM	12	0	20.64	20.77	20.75	
5	16QAM	12	7	20.87	20.94	20.78	21.5
5	16QAM	12	13	20.72	20.87	20.81	
5	16QAM	25	0	20.81	20.87	20.88	
5	64QAM	1	0	20.79	20.73	20.86	
5	64QAM	1	12	20.94	20.73	20.84	21.5
5	64QAM	1	24	20.80	20.73	20.79	
5	64QAM	12	0	20.71	20.74	20.77	
5	64QAM	12	7	20.86	20.78	20.91	21.5
5	64QAM	12	13	20.73	20.74	20.78	
5	64QAM	25	0	20.69	20.90	20.82	
5	256QAM	1	0	19.03	19.12	19.02	
5	256QAM	1	12	19.08	19.07	19.09	20
5	256QAM	1	24	19.01	19.02	19.09	
5	256QAM	12	0	19.12	19.13	19.11	
5	256QAM	12	7	19.14	19.18	19.00	20
5	256QAM	12	13	19.15	19.11	18.96	
5	256QAM	25	0	19.11	19.18	18.96	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	20.82	20.87	20.90	21.5
3	QPSK	1	8	20.94	21.01	20.92	
3	QPSK	1	14	20.93	20.84	20.89	
3	QPSK	8	0	20.86	20.93	20.90	
3	QPSK	8	4	20.97	20.98	20.95	21.5
3	QPSK	8	7	20.93	20.98	20.80	
3	QPSK	15	0	20.86	20.88	20.77	
3	16QAM	1	0	20.66	20.74	20.68	
3	16QAM	1	8	20.82	20.94	20.87	21.5
3	16QAM	1	14	20.74	20.80	20.61	
3	16QAM	8	0	20.62	20.77	20.82	
3	16QAM	8	4	20.91	20.82	20.83	21.5
3	16QAM	8	7	20.74	20.83	20.72	
3	16QAM	15	0	20.71	20.86	20.85	
3	64QAM	1	0	20.80	20.77	20.76	
3	64QAM	1	8	20.87	21.01	20.95	21.5
3	64QAM	1	14	20.85	20.77	20.76	
3	64QAM	8	0	20.75	20.68	20.76	
3	64QAM	8	4	20.89	20.77	20.93	21.5
3	64QAM	8	7	20.69	20.83	20.71	
3	64QAM	15	0	20.75	20.82	20.72	
3	256QAM	1	0	19.01	19.11	19.03	
3	256QAM	1	8	19.14	19.09	19.09	20
3	256QAM	1	14	19.03	19.12	19.02	
3	256QAM	8	0	19.20	19.14	19.11	
3	256QAM	8	4	19.10	19.12	18.92	20
3	256QAM	8	7	19.11	19.00	19.08	
3	256QAM	15	0	19.11	19.11	19.03	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.73	20.87	20.77	21.5
1.4	QPSK	1	3	20.94	20.96	20.87	
1.4	QPSK	1	5	20.82	20.82	20.87	
1.4	QPSK	3	0	20.89	20.93	20.93	
1.4	QPSK	3	1	20.87	20.90	20.90	
1.4	QPSK	3	3	20.79	20.96	20.76	
1.4	QPSK	6	0	20.89	20.98	20.85	21.5
1.4	16QAM	1	0	20.59	20.71	20.81	
1.4	16QAM	1	3	20.86	20.91	20.82	21.5
1.4	16QAM	1	5	20.76	20.81	20.61	
1.4	16QAM	3	0	20.69	20.72	20.78	
1.4	16QAM	3	1	20.88	20.83	20.80	
1.4	16QAM	3	3	20.68	20.87	20.80	
1.4	16QAM	6	0	20.71	20.90	20.81	21.5
1.4	64QAM	1	0	20.78	20.71	20.85	
1.4	64QAM	1	3	20.73	21.02	20.85	
1.4	64QAM	1	5	20.80	20.80	20.70	21.5
1.4	64QAM	3	0	20.79	20.78	20.88	
1.4	64QAM	3	1	20.92	20.86	20.93	
1.4	64QAM	3	3	20.75	20.80	20.78	
1.4	64QAM	6	0	20.74	20.84	20.73	21.5
1.4	256QAM	1	0	19.08	19.03	19.07	20
1.4	256QAM	1	3	19.17	19.08	19.03	
1.4	256QAM	1	5	19.09	19.08	19.15	
1.4	256QAM	3	0	19.12	19.14	19.08	
1.4	256QAM	3	1	19.13	19.17	19.06	
1.4	256QAM	3	3	19.14	18.99	18.99	
1.4	256QAM	6	0	19.23	19.10	19.01	20

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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)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.74	23.80	23.76	24.8
20	QPSK	1	49	23.79	23.88	23.77	
20	QPSK	1	99	23.61	23.73	23.63	
20	QPSK	50	0	22.64	22.66	22.52	
20	QPSK	50	24	22.73	22.77	22.69	23.8
20	QPSK	50	50	22.65	22.69	22.67	
20	QPSK	100	0	22.58	22.72	22.59	
20	16QAM	1	0	22.65	22.70	22.63	
20	16QAM	1	49	22.56	22.68	22.57	23.8
20	16QAM	1	99	22.53	22.58	22.47	
20	16QAM	50	0	21.52	21.63	21.55	
20	16QAM	50	24	21.49	21.51	21.36	22.8
20	16QAM	50	50	21.36	21.50	21.41	
20	16QAM	100	0	21.49	21.62	21.50	
20	64QAM	1	0	21.60	21.74	21.60	
20	64QAM	1	49	21.35	21.48	21.45	22.8
20	64QAM	1	99	21.50	21.68	21.56	
20	64QAM	50	0	20.59	20.68	20.63	
20	64QAM	50	24	20.59	20.67	20.64	21.8
20	64QAM	50	50	20.53	20.61	20.58	
20	64QAM	100	0	20.54	20.62	20.52	
20	256QAM	1	0	18.51	18.48	18.45	
20	256QAM	1	49	18.39	18.56	18.54	19.8
20	256QAM	1	99	18.47	18.58	18.49	
20	256QAM	50	0	18.42	18.51	18.52	
20	256QAM	50	24	18.48	18.57	18.52	19.8
20	256QAM	50	50	18.46	18.46	18.42	
20	256QAM	100	0	18.41	18.48	18.42	
Channel				133197	133297	133397

Band 38_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.19	23.24	23.20	23.5
20	QPSK	1	49	23.25	23.32	23.28	
20	QPSK	1	99	23.11	23.25	23.14	
20	QPSK	50	0	23.04	23.19	23.11	23.5
20	QPSK	50	24	23.13	23.27	23.24	
20	QPSK	50	50	23.05	23.12	23.07	
20	QPSK	100	0	23.06	23.17	23.12	
20	16QAM	1	0	23.07	23.19	23.18	23.5
20	16QAM	1	49	23.15	23.17	23.14	
20	16QAM	1	99	22.99	23.18	23.13	
20	16QAM	50	0	22.87	22.78	22.72	23
20	16QAM	50	24	22.88	22.74	22.95	
20	16QAM	50	50	23.00	22.85	22.84	
20	16QAM	100	0	22.88	22.70	22.75	
20	64QAM	1	0	22.80	22.56	22.78	23
20	64QAM	1	49	22.52	22.48	22.70	
20	64QAM	1	99	22.82	22.57	22.60	
20	64QAM	50	0	21.80	21.73	21.65	22
20	64QAM	50	24	21.70	21.84	21.83	
20	64QAM	50	50	21.82	21.76	21.81	
20	64QAM	100	0	21.83	21.68	21.78	
20	256QAM	1	0	19.52	19.57	19.64	20
20	256QAM	1	49	19.47	19.49	19.65	
20	256QAM	1	99	19.53	19.57	19.51	
20	256QAM	50	0	19.45	19.54	19.60	20
20	256QAM	50	24	19.52	19.54	19.58	
20	256QAM	50	50	19.49	19.50	19.60	
20	256QAM	100	0	19.56	19.53	19.53	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.10	23.16	23.08	23.5
15	QPSK	1	37	23.22	23.29	23.23	
15	QPSK	1	74	23.07	23.16	23.08	
15	QPSK	36	0	22.88	23.16	23.05	23.5
15	QPSK	36	20	23.03	23.18	23.18	
15	QPSK	36	39	22.96	22.98	23.04	
15	QPSK	75	0	22.91	23.05	23.11	
15	16QAM	1	0	22.94	23.09	23.04	23.5
15	16QAM	1	37	23.06	23.08	23.01	
15	16QAM	1	74	22.87	23.10	23.10	
15	16QAM	36	0	22.74	22.70	22.70	23
15	16QAM	36	20	22.77	22.62	22.84	
15	16QAM	36	39	22.90	22.80	22.71	
15	16QAM	75	0	22.81	22.59	22.61	
15	64QAM	1	0	22.79	22.41	22.76	23
15	64QAM	1	37	22.44	22.37	22.66	
15	64QAM	1	74	22.70	22.43	22.58	
15	64QAM	36	0	21.69	21.68	21.61	22
15	64QAM	36	20	21.55	21.72	21.77	
15	64QAM	36	39	21.80	21.69	21.86	
15	64QAM	75	0	21.69	21.67	21.63	
15	256QAM	1	0	19.42	19.48	19.56	20
15	256QAM	1	37	19.32	19.44	19.61	
15	256QAM	1	74	19.47	19.49	19.36	
15	256QAM	36	0	19.40	19.44	19.54	20
15	256QAM	36	20	19.42	19.44	19.54	
15	256QAM	36	39	19.48	19.40	19.51	
15	256QAM	75	0	19.55	19.40	19.46	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.16	23.15	23.09	23.5
10	QPSK	1	25	23.13	23.20	23.27	
10	QPSK	1	49	23.09	23.19	22.99	
10	QPSK	25	0	23.02	23.13	22.98	23.5
10	QPSK	25	12	23.10	23.20	23.14	
10	QPSK	25	25	22.97	23.05	23.00	
10	QPSK	50	0	22.95	23.06	22.99	
10	16QAM	1	0	22.95	23.13	23.10	23.5
10	16QAM	1	25	23.13	23.12	23.08	
10	16QAM	1	49	22.97	23.14	23.12	
10	16QAM	25	0	22.82	22.77	22.60	23
10	16QAM	25	12	22.84	22.61	22.93	
10	16QAM	25	25	22.98	22.78	22.83	
10	16QAM	50	0	22.74	22.64	22.60	
10	64QAM	1	0	22.67	22.55	22.70	23
10	64QAM	1	25	22.39	22.44	22.69	
10	64QAM	1	49	22.73	22.55	22.57	
10	64QAM	25	0	21.70	21.71	21.52	22
10	64QAM	25	12	21.66	21.74	21.79	
10	64QAM	25	25	21.73	21.61	21.77	
10	64QAM	50	0	21.73	21.58	21.73	
10	256QAM	1	0	19.47	19.56	19.58	20
10	256QAM	1	25	19.45	19.34	19.56	
10	256QAM	1	49	19.45	19.55	19.46	
10	256QAM	25	0	19.42	19.39	19.49	20
10	256QAM	25	12	19.39	19.40	19.54	
10	256QAM	25	25	19.38	19.44	19.55	
10	256QAM	50	0	19.48	19.50	19.52	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.16	23.23	23.10	23.5
5	QPSK	1	12	23.16	23.29	23.21	
5	QPSK	1	24	23.01	23.24	23.10	
5	QPSK	12	0	23.02	23.05	23.05	23.5
5	QPSK	12	7	23.10	23.16	23.12	
5	QPSK	12	13	22.91	22.98	22.92	
5	QPSK	25	0	22.96	23.15	22.99	
5	16QAM	1	0	22.99	23.12	23.07	23.5
5	16QAM	1	12	23.03	23.07	22.99	
5	16QAM	1	24	22.94	23.04	22.99	
5	16QAM	12	0	22.85	22.75	22.67	23
5	16QAM	12	7	22.83	22.65	22.88	
5	16QAM	12	13	22.97	22.71	22.72	
5	16QAM	25	0	22.80	22.63	22.61	
5	64QAM	1	0	22.78	22.42	22.72	23
5	64QAM	1	12	22.43	22.40	22.65	
5	64QAM	1	24	22.79	22.53	22.45	
5	64QAM	12	0	21.79	21.58	21.53	22
5	64QAM	12	7	21.62	21.83	21.82	
5	64QAM	12	13	21.71	21.74	21.79	
5	64QAM	25	0	21.82	21.62	21.67	
5	256QAM	1	0	19.45	19.46	19.60	20
5	256QAM	1	12	19.33	19.46	19.52	
5	256QAM	1	24	19.46	19.48	19.37	
5	256QAM	12	0	19.34	19.47	19.46	20
5	256QAM	12	7	19.40	19.48	19.46	
5	256QAM	12	13	19.48	19.36	19.55	
5	256QAM	25	0	19.41	19.48	19.46	

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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)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.59	19.67	19.65	20.3
20	QPSK	1	49	19.74	19.80	19.73	
20	QPSK	1	99	19.62	19.78	19.70	
20	QPSK	50	0	19.54	19.63	19.58	20.3
20	QPSK	50	24	19.70	19.76	19.72	
20	QPSK	50	50	19.52	19.72	19.68	
20	QPSK	100	0	19.68	19.70	19.65	
20	16QAM	1	0	19.64	19.77	19.64	20.3
20	16QAM	1	49	19.57	19.76	19.57	
20	16QAM	1	99	19.50	19.64	19.52	
20	16QAM	50	0	19.73	19.72	19.65	20.3
20	16QAM	50	24	19.56	19.67	19.66	
20	16QAM	50	50	19.55	19.56	19.62	
20	16QAM	100	0	19.67	19.71	19.59	
20	64QAM	1	0	19.49	19.64	19.57	20.3
20	64QAM	1	49	19.46	19.66	19.60	
20	64QAM	1	99	19.64	19.68	19.67	
20	64QAM	50	0	19.52	19.65	19.68	20.3
20	64QAM	50	24	19.58	19.57	19.63	
20	64QAM	50	50	19.67	19.78	19.63	
20	64QAM	100	0	19.54	19.65	19.55	
20	256QAM	1	0	19.02	19.00	19.05	19.8
20	256QAM	1	49	18.93	18.99	18.92	
20	256QAM	1	99	18.94	18.87	19.01	
20	256QAM	50	0	18.96	18.86	18.98	19.8
20	256QAM	50	24	18.99	18.85	18.98	
20	256QAM	50	50	19.01	18.90	18.98	
20	256QAM	100	0	18.88	18.85	18.96	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.56	19.60	19.64	20.3
15	QPSK	1	37	19.63	19.68	19.67	
15	QPSK	1	74	19.51	19.66	19.61	
15	QPSK	36	0	19.42	19.57	19.54	20.3
15	QPSK	36	20	19.58	19.62	19.59	
15	QPSK	36	39	19.37	19.65	19.64	
15	QPSK	75	0	19.59	19.69	19.63	
15	16QAM	1	0	19.63	19.71	19.56	20.3
15	16QAM	1	37	19.56	19.65	19.48	
15	16QAM	1	74	19.48	19.59	19.45	
15	16QAM	36	0	19.63	19.57	19.64	20.3
15	16QAM	36	20	19.42	19.61	19.52	
15	16QAM	36	39	19.52	19.55	19.56	
15	16QAM	75	0	19.59	19.58	19.49	
15	64QAM	1	0	19.35	19.51	19.47	20.3
15	64QAM	1	37	19.38	19.62	19.58	
15	64QAM	1	74	19.55	19.54	19.62	
15	64QAM	36	0	19.40	19.55	19.57	20.3
15	64QAM	36	20	19.46	19.49	19.54	
15	64QAM	36	39	19.53	19.74	19.59	
15	64QAM	75	0	19.48	19.61	19.46	
15	256QAM	1	0	18.88	18.94	18.95	19.8
15	256QAM	1	37	18.78	18.97	18.85	
15	256QAM	1	74	18.81	18.80	18.94	
15	256QAM	36	0	18.92	18.76	18.84	19.8
15	256QAM	36	20	18.89	18.78	18.96	
15	256QAM	36	39	19.00	18.83	18.94	
15	256QAM	75	0	18.74	18.81	18.91	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.47	19.58	19.54	20.3
10	QPSK	1	25	19.67	19.70	19.62	
10	QPSK	1	49	19.60	19.68	19.67	
10	QPSK	25	0	19.44	19.58	19.55	20.3
10	QPSK	25	12	19.58	19.72	19.58	
10	QPSK	25	25	19.41	19.60	19.55	
10	QPSK	50	0	19.65	19.58	19.63	
10	16QAM	1	0	19.52	19.73	19.49	20.3
10	16QAM	1	25	19.50	19.65	19.42	
10	16QAM	1	49	19.48	19.56	19.38	
10	16QAM	25	0	19.62	19.63	19.50	20.3
10	16QAM	25	12	19.55	19.58	19.58	
10	16QAM	25	25	19.51	19.49	19.51	
10	16QAM	50	0	19.60	19.57	19.53	
10	64QAM	1	0	19.37	19.49	19.54	20.3
10	64QAM	1	25	19.39	19.53	19.59	
10	64QAM	1	49	19.53	19.66	19.64	
10	64QAM	25	0	19.48	19.62	19.63	20.3
10	64QAM	25	12	19.52	19.49	19.59	
10	64QAM	25	25	19.56	19.76	19.60	
10	64QAM	50	0	19.45	19.60	19.47	
10	256QAM	1	0	18.95	18.94	18.93	19.8
10	256QAM	1	25	18.84	18.85	18.77	
10	256QAM	1	49	18.87	18.76	18.97	
10	256QAM	25	0	18.94	18.75	18.87	19.8
10	256QAM	25	12	18.88	18.78	18.94	
10	256QAM	25	25	18.88	18.84	18.94	
10	256QAM	50	0	18.79	18.70	18.82	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.48	19.63	19.60	20.3
5	QPSK	1	12	19.70	19.72	19.58	
5	QPSK	1	24	19.48	19.73	19.68	
5	QPSK	12	0	19.42	19.53	19.48	20.3
5	QPSK	12	7	19.58	19.69	19.65	
5	QPSK	12	13	19.39	19.68	19.61	
5	QPSK	25	0	19.64	19.69	19.56	
5	16QAM	1	0	19.62	19.72	19.49	20.3
5	16QAM	1	12	19.49	19.74	19.45	
5	16QAM	1	24	19.39	19.58	19.41	
5	16QAM	12	0	19.69	19.68	19.53	20.3
5	16QAM	12	7	19.47	19.65	19.57	
5	16QAM	12	13	19.54	19.47	19.57	
5	16QAM	25	0	19.64	19.60	19.49	
5	64QAM	1	0	19.45	19.53	19.47	20.3
5	64QAM	1	12	19.43	19.63	19.58	
5	64QAM	1	24	19.59	19.68	19.56	
5	64QAM	12	0	19.51	19.54	19.54	20.3
5	64QAM	12	7	19.55	19.53	19.58	
5	64QAM	12	13	19.54	19.76	19.48	
5	64QAM	25	0	19.50	19.63	19.41	
5	256QAM	1	0	18.88	18.91	19.03	19.8
5	256QAM	1	12	18.81	18.87	18.83	
5	256QAM	1	24	18.83	18.74	19.00	
5	256QAM	12	0	18.95	18.77	18.97	19.8
5	256QAM	12	7	18.95	18.80	18.95	
5	256QAM	12	13	19.00	18.84	18.88	
5	256QAM	25	0	18.75	18.83	18.90	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.38	24.31	24.37	24.49	24.20	24.8
20	QPSK	1	49	24.53	24.60	24.55	24.52	24.42	
20	QPSK	1	99	24.46	24.59	24.50	24.55	24.32	
20	QPSK	50	0	23.39	23.43	23.45	23.42	23.43	23.8
20	QPSK	50	24	23.60	23.65	23.57	23.63	23.56	
20	QPSK	50	50	23.46	23.54	23.49	23.61	23.55	
20	QPSK	100	0	23.42	23.58	23.56	23.49	23.56	
20	16QAM	1	0	23.39	23.40	23.52	23.40	23.40	
20	16QAM	1	49	23.32	23.39	23.38	23.33	23.30	23.8
20	16QAM	1	99	23.36	23.25	23.42	23.32	23.30	
20	16QAM	50	0	22.31	22.39	22.43	22.67	22.49	
20	16QAM	50	24	22.47	22.59	22.64	22.54	22.58	22.8
20	16QAM	50	50	22.69	22.59	22.68	22.53	22.52	
20	16QAM	100	0	22.51	22.52	22.52	22.50	22.45	
20	64QAM	1	0	22.23	22.34	22.41	22.58	22.37	
20	64QAM	1	49	22.45	22.53	22.59	22.44	22.54	22.8
20	64QAM	1	99	22.54	22.57	22.63	22.52	22.38	
20	64QAM	50	0	21.27	21.62	21.58	21.52	21.51	
20	64QAM	50	24	21.42	21.66	21.62	21.54	21.58	21.8
20	64QAM	50	50	21.46	21.54	21.55	21.56	21.58	
20	64QAM	100	0	21.51	21.50	21.54	21.47	21.47	
20	256QAM	1	0	19.63	19.51	19.42	19.57	19.52	
20	256QAM	1	49	19.51	19.47	19.49	19.58	19.60	19.8
20	256QAM	1	99	19.54	19.59	19.50	19.49	19.60	
20	256QAM	50	0	19.52	19.45	19.42	19.49	19.49	
20	256QAM	50	24	19.54	19.55	19.39	19.50	19.53	19.8
20	256QAM	50	50	19.58	19.46	19.38	19.55	19.49	
20	256QAM	100	0	19.60	19.48	19.47	19.47	19.56	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.30	24.28	24.31	24.35	24.06	24.8
15	QPSK	1	37	24.52	24.46	24.51	24.40	24.29	
15	QPSK	1	74	24.33	24.53	24.46	24.28	24.28	
15	QPSK	36	0	23.38	23.30	23.31	23.32	23.33	
15	QPSK	36	20	23.49	23.64	23.50	23.50	23.55	23.8
15	QPSK	36	39	23.40	23.49	23.48	23.47	23.53	
15	QPSK	75	0	23.41	23.56	23.47	23.47	23.41	
15	16QAM	1	0	23.31	23.33	23.49	23.36	23.37	
15	16QAM	1	37	23.17	23.32	23.36	23.18	23.19	23.8
15	16QAM	1	74	23.35	23.10	23.32	23.30	23.25	
15	16QAM	36	0	22.22	22.31	22.38	22.66	22.47	
15	16QAM	36	20	22.32	22.53	22.53	22.50	22.47	22.8
15	16QAM	36	39	22.60	22.53	22.66	22.39	22.37	
15	16QAM	75	0	22.46	22.46	22.48	22.48	22.42	
15	16QAM	75	0	22.20	22.27	22.27	22.47	22.34	
15	64QAM	1	37	22.39	22.44	22.55	22.40	22.39	22.8
15	64QAM	1	74	22.49	22.52	22.52	22.47	22.24	
15	64QAM	36	0	21.24	21.54	21.46	21.40	21.42	
15	64QAM	36	20	21.41	21.60	21.49	21.49	21.51	21.8
15	64QAM	36	39	21.40	21.39	21.41	21.48	21.57	
15	64QAM	75	0	21.42	21.41	21.48	21.33	21.45	
15	256QAM	1	0	19.57	19.36	19.38	19.53	19.47	
15	256QAM	1	37	19.47	19.42	19.34	19.46	19.59	19.8
15	256QAM	1	74	19.41	19.54	19.48	19.40	19.48	
15	256QAM	36	0	19.45	19.42	19.34	19.42	19.34	
15	256QAM	36	20	19.40	19.48	19.34	19.40	19.39	19.8
15	256QAM	36	39	19.54	19.39	19.32	19.49	19.42	
15	256QAM	75	0	19.50	19.44	19.46	19.39	19.53	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.25	24.18	24.26	24.41	24.15	24.8
10	QPSK	1	25	24.49	24.54	24.44	24.43	24.33	
10	QPSK	1	49	24.38	24.50	24.41	24.28	24.17	
10	QPSK	25	0	23.31	23.42	23.30	23.32	23.35	
10	QPSK	25	12	23.48	23.64	23.56	23.54	23.53	23.8
10	QPSK	25	25	23.32	23.44	23.48	23.59	23.50	
10	QPSK	50	0	23.39	23.44	23.53	23.47	23.50	
10	16QAM	1	0	23.33	23.38	23.37	23.38	23.30	
10	16QAM	1	25	23.25	23.38	23.31	23.23	23.26	23.8
10	16QAM	1	49	23.21	23.12	23.28	23.18	23.18	
10	16QAM	25	0	22.29	22.35	22.29	22.66	22.46	
10	16QAM	25	12	22.46	22.55	22.61	22.46	22.43	22.8
10	16QAM	25	25	22.67	22.51	22.57	22.48	22.41	
10	16QAM	50	0	22.46	22.49	22.49	22.37	22.30	
10	64QAM	1	0	22.12	22.23	22.32	22.46	22.30	
10	64QAM	1	25	22.44	22.46	22.45	22.34	22.53	22.8
10	64QAM	1	49	22.42	22.42	22.49	22.36	22.24	
10	64QAM	25	0	21.22	21.60	21.52	21.49	21.36	
10	64QAM	25	12	21.35	21.54	21.57	21.48	21.55	21.8
10	64QAM	25	25	21.38	21.52	21.53	21.53	21.50	
10	64QAM	50	0	21.44	21.36	21.39	21.44	21.35	
10	256QAM	1	0	19.55	19.39	19.36	19.55	19.42	
10	256QAM	1	25	19.49	19.38	19.37	19.48	19.51	19.8
10	256QAM	1	49	19.49	19.46	19.35	19.48	19.48	
10	256QAM	25	0	19.49	19.43	19.28	19.47	19.43	
10	256QAM	25	12	19.42	19.43	19.26	19.42	19.46	19.8
10	256QAM	25	25	19.55	19.43	19.36	19.47	19.49	
10	256QAM	50	0	19.55	19.39	19.36	19.43	19.50	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.33	24.18	24.31	24.48	24.13	24.8
5	QPSK	1	12	24.39	24.46	24.54	24.47	24.34	
5	QPSK	1	24	24.39	24.55	24.41	24.25	24.24	
5	QPSK	12	0	23.33	23.41	23.42	23.34	23.33	
5	QPSK	12	7	23.59	23.54	23.44	23.54	23.43	
5	QPSK	12	13	23.36	23.43	23.48	23.60	23.40	23.8
5	QPSK	25	0	23.41	23.48	23.50	23.34	23.55	
5	16QAM	1	0	23.38	23.25	23.37	23.26	23.26	
5	16QAM	1	12	23.31	23.27	23.37	23.18	23.21	23.8
5	16QAM	1	24	23.29	23.21	23.32	23.21	23.16	
5	16QAM	12	0	22.17	22.33	22.38	22.64	22.45	
5	16QAM	12	7	22.43	22.51	22.56	22.40	22.49	22.8
5	16QAM	12	13	22.58	22.53	22.56	22.48	22.38	
5	16QAM	25	0	22.36	22.42	22.51	22.48	22.41	
5	64QAM	1	0	22.10	22.22	22.26	22.48	22.28	
5	64QAM	1	12	22.35	22.48	22.56	22.37	22.49	22.8
5	64QAM	1	24	22.44	22.51	22.47	22.46	22.25	
5	64QAM	12	0	21.19	21.51	21.49	21.44	21.40	
5	64QAM	12	7	21.31	21.51	21.57	21.51	21.45	21.8
5	64QAM	12	13	21.45	21.54	21.46	21.50	21.53	
5	64QAM	25	0	21.41	21.41	21.47	21.40	21.36	
5	256QAM	1	0	19.62	19.41	19.33	19.43	19.47	
5	256QAM	1	12	19.43	19.42	19.43	19.53	19.53	19.8
5	256QAM	1	24	19.47	19.55	19.41	19.44	19.45	
5	256QAM	12	0	19.48	19.38	19.27	19.36	19.46	
5	256QAM	12	7	19.46	19.43	19.31	19.37	19.39	19.8
5	256QAM	12	13	19.52	19.40	19.31	19.48	19.48	
5	256QAM	25	0	19.47	19.40	19.42	19.46	19.47	

Band 41 (HPUE)_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.64	25.78	25.79	25.65	25.81	26.4
20	QPSK	1	49	26.77	25.85	25.80	25.78	25.82	
20	QPSK	1	99	25.70	25.71	25.68	25.72	25.75	
20	QPSK	50	0	25.53	25.67	25.70	25.63	25.71	
20	QPSK	50	24	25.78	25.82	25.72	25.74	25.76	26.4
20	QPSK	50	50	25.50	25.70	25.68	25.56	25.75	
20	QPSK	100	0	25.66	25.77	25.70	25.77	25.68	
20	16QAM	1	0	25.56	25.56	25.54	25.69	25.63	
20	16QAM	1	49	25.61	25.63	25.64	25.56	25.70	26.4
20	16QAM	1	99	25.59	25.63	25.72	25.55	25.71	
20	16QAM	50	0	24.82	24.90	24.91	24.87	24.86	
20	16QAM	50	24	24.72	24.87	24.90	24.75	24.72	25.4
20	16QAM	50	50	24.67	24.89	24.82	24.81	24.78	
20	16QAM	100	0	24.77	24.75	24.86	24.76	24.85	
20	64QAM	1	0	24.55	25.00	25.01	24.99	24.85	
20	64QAM	1	49	24.84	24.99	24.99	24.83	24.82	25.4
20	64QAM	1	99	24.90	24.93	24.97	24.86	24.79	
20	64QAM	50	0	23.79	23.87	23.85	23.79	23.81	
20	64QAM	50	24	23.87	23.97	23.97	23.89	23.92	24.4
20	64QAM	50	50	23.86	23.95	23.93	23.90	23.92	
20	64QAM	100	0	23.88	23.99	23.98	23.88	23.86	
20	256QAM	1	0	21.88	21.98	21.81	21.77	21.87	
20	256QAM	1	49	21.90	21.93	21.82	21.86	21.91	22.4
20	256QAM	1	99	21.83	21.90	21.82	21.88	21.94	
20	256QAM	50	0	21.82	21.86	21.86	21.86	21.92	
20	256QAM	50	24	21.82	21.89	21.91	21.88	21.89	22.4
20	256QAM	50	50	21.85	21.91	21.81	21.83	21.97	
20	256QAM	100	0	21.85	21.95	21.84	21.78	21.85	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.55	25.74	25.76	25.50	25.80	26.4
15	QPSK	1	37	25.62	25.83	25.67	25.73	25.69	
15	QPSK	1	74	25.62	25.69	25.54	25.71	25.69	
15	QPSK	36	0	25.39	25.57	25.55	25.49	25.64	
15	QPSK	36	20	25.71	25.72	25.68	25.65	25.65	26.4
15	QPSK	36	39	25.39	25.63	25.61	25.42	25.67	
15	QPSK	75	0	25.62	25.67	25.58	25.69	25.53	
15	16QAM	1	0	25.53	25.54	25.48	25.59	25.50	
15	16QAM	1	37	25.48	25.48	25.63	25.52	25.61	26.4
15	16QAM	1	74	26.58	25.60	25.65	25.45	25.59	
15	16QAM	36	0	24.72	24.83	24.77	24.77	24.73	
15	16QAM	36	20	24.64	24.73	24.80	24.73	24.62	25.4
15	16QAM	36	39	24.64	24.85	24.68	24.71	24.71	
15	16QAM	75	0	24.72	24.60	24.76	24.63	24.84	
15	16QAM	75	0	24.86	24.95	24.96	24.80	24.76	
15	64QAM	1	37	24.71	24.90	24.88	24.70	24.69	25.4
15	64QAM	1	74	24.86	24.85	24.89	24.72	24.78	
15	64QAM	36	0	23.65	23.84	23.83	23.67	23.75	
15	64QAM	36	20	23.73	23.83	23.96	23.74	23.78	24.4
15	64QAM	36	39	23.73	23.88	23.78	23.76	23.87	
15	64QAM	75	0	23.80	23.84	23.92	23.84	23.73	
15	256QAM	1	0	21.77	21.83	21.66	21.68	21.73	
15	256QAM	1	37	21.75	21.81	21.79	21.84	21.87	22.4
15	256QAM	1	74	21.73	21.78	21.81	21.73	21.80	
15	256QAM	36	0	21.70	21.82	21.77	21.77	21.87	
15	256QAM	36	20	21.80	21.81	21.78	21.86	21.77	22.4
15	256QAM	36	39	21.74	21.77	21.70	21.69	21.87	
15	256QAM	75	0	21.76	21.90	21.82	21.69	21.72	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.53	25.72	25.68	25.60	25.72	26.4
10	QPSK	1	25	25.69	25.73	25.66	25.73	25.72	
10	QPSK	1	49	25.62	25.66	25.66	25.71	25.69	
10	QPSK	25	0	25.46	25.62	25.56	25.50	25.61	
10	QPSK	25	12	25.68	25.70	25.62	25.73	25.74	26.4
10	QPSK	25	25	25.36	25.56	25.62	25.54	25.65	
10	QPSK	50	0	25.65	25.65	25.65	25.76	25.56	
10	16QAM	1	0	25.54	25.46	25.40	25.62	25.48	
10	16QAM	1	25	25.54	25.57	25.49	25.52	25.57	26.4
10	16QAM	1	49	25.54	25.52	25.66	25.40	25.64	
10	16QAM	25	0	24.70	24.82	24.86	24.76	24.81	
10	16QAM	25	12	24.59	24.83	24.93	24.79	24.65	25.4
10	16QAM	25	25	24.63	24.76	24.70	24.76	24.71	
10	16QAM	50	0	24.73	24.71	24.85	24.73	24.82	
10	64QAM	1	0	24.87	24.96	24.94	24.85	24.80	
10	64QAM	1	25	24.69	24.84	24.55	24.75	24.80	25.4
10	64QAM	1	49	24.85	24.87	24.85	24.82	24.69	
10	64QAM	25	0	23.76	23.81	23.75	23.78	23.73	
10	64QAM	25	12	23.83	23.82	23.86	23.79	23.91	24.4
10	64QAM	25	25	23.76	23.82	23.80	23.80	23.87	
10	64QAM	50	0	23.87	23.88	23.89	23.74	23.76	
10	256QAM	1	0	21.86	21.88	21.76	21.75	21.73	
10	256QAM	1	25	21.78	21.82	21.78	21.74	21.76	22.4
10	256QAM	1	49	21.72	21.83	21.81	21.74	21.91	
10	256QAM	25	0	21.72	21.71	21.80	21.84	21.82	
10	256QAM	25	12	21.74	21.75	21.89	21.87	21.84	22.4
10	256QAM	25	25	21.71	21.82	21.83	21.72	21.93	
10	256QAM	50	0	21.75	21.90	21.79	21.70	21.72	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.62	25.65	25.75	25.63	25.80	26.4
5	QPSK	1	12	25.66	25.72	25.69	25.75	25.67	
5	QPSK	1	24	25.63	25.68	25.66	25.68	25.61	
5	QPSK	12	0	25.52	25.62	25.68	25.50	25.63	
5	QPSK	12	7	25.74	25.77	25.63	25.68	25.74	26.4
5	QPSK	12	13	25.37	25.61	25.53	25.51	25.65	
5	QPSK	25	0	25.53	25.63	25.58	25.63	25.64	
5	16QAM	1	0	25.46	25.52	25.52	25.68	25.52	
5	16QAM	1	12	25.52	25.56	25.61	25.62	25.66	26.4
5	16QAM	1	24	25.51	25.57	25.59	25.42	25.69	
5	16QAM	12	0	24.79	24.83	24.78	24.76	24.73	
5	16QAM	12	7	24.83	24.82	24.89	24.74	24.71	25.4
5	16QAM	12	13	24.62	24.88	24.74	24.73	24.64	
5	16QAM	25	0	24.72	24.65	24.78	24.69	24.74	
5	64QAM	1	0	24.83	24.93	24.97	24.83	24.76	
5	64QAM	1	12	24.78	24.87	24.93	24.80	24.80	25.4
5	64QAM	1	24	24.89	24.89	24.92	24.91	24.80	
5	64QAM	12	0	23.73	23.73	23.83	23.72	23.80	
5	64QAM	12	7	23.73	23.84	23.94	23.83	23.90	24.4
5	64QAM	12	13	23.84	23.87	23.90	23.90	23.93	
5	64QAM	25	0	23.73	23.87	23.89	23.85	23.77	
5	256QAM	1	0	21.74	21.89	21.79	21.62	21.85	
5	256QAM	1	12	21.78	21.79	21.80	21.81	21.79	22.4
5	256QAM	1	24	21.79	21.81	21.68	21.83	21.93	
5	256QAM	12	0	21.71	21.76	21.73	21.79	21.77	
5	256QAM	12	7	21.71	21.80	21.90	21.76	21.81	22.4
5	256QAM	12	13	21.75	21.90	21.78	21.73	21.84	
5	256QAM	25	0	21.70	21.91	21.75	21.72	21.78	

Band 41_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.10	23.08	23.09	22.99	23.06	23.3
20	QPSK	1	49	23.12	23.15	23.11	23.10	23.08	
20	QPSK	1	99	23.09	23.06	22.95	23.02	22.98	
20	QPSK	50	0	22.58	22.52	22.61	22.64	22.69	22.8
20	QPSK	50	24	22.66	22.77	22.70	22.74	22.72	
20	QPSK	50	50	22.53	22.74	22.69	22.65	22.66	
20	QPSK	100	0	22.56	22.75	22.74	22.67	22.70	
20	16QAM	1	0	22.53	22.74	22.58	22.67	22.61	
20	16QAM	1	49	22.54	22.70	22.68	22.61	22.65	22.8
20	16QAM	1	99	22.57	22.67	22.60	22.59	22.58	
20	16QAM	50	0	21.63	21.68	21.66	21.61	21.62	
20	16QAM	50	24	21.61	21.65	21.60	21.49	21.56	21.8
20	16QAM	50	50	21.57	21.52	21.54	21.56	21.58	
20	16QAM	100	0	21.53	21.52	21.53	21.60	21.58	
20	64QAM	1	0	21.61	21.66	21.52	21.58	21.58	
20	64QAM	1	49	21.60	21.61	21.45	21.51	21.54	21.8
20	64QAM	1	99	21.50	21.58	21.41	21.52	21.56	
20	64QAM	50	0	20.50	20.42	20.62	20.66	20.58	
20	64QAM	50	24	20.36	20.31	20.54	20.52	20.54	20.8
20	64QAM	50	50	20.44	20.27	20.51	20.51	20.48	
20	64QAM	100	0	20.41	20.39	20.51	20.61	20.54	
20	256QAM	1	0	18.33	18.30	18.37	18.28	18.35	
20	256QAM	1	49	18.20	18.19	18.33	18.27	18.30	18.8
20	256QAM	1	99	18.25	18.23	18.22	18.27	18.28	
20	256QAM	50	0	18.19	18.26	18.30	18.24	18.34	
20	256QAM	50	24	18.30	18.25	18.22	18.21	18.31	18.8
20	256QAM	50	50	18.26	18.22	18.31	18.27	18.21	
20	256QAM	100	0	18.22	18.28	18.31	18.26	18.31	
Channel				75	6278	12480	18682	24885	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.97	23.05	22.95	22.89	23.05	23.3
15	QPSK	1	37	23.10	23.12	23.01	23.03	23.04	
15	QPSK	1	74	23.08	23.05	22.86	22.99	22.94	
15	QPSK	36	0	22.51	22.39	22.47	22.50	22.60	
15	QPSK	36	20	22.60	22.66	22.62	22.60	22.67	22.8
15	QPSK	36	39	22.40	22.64	22.57	22.62	22.60	
15	QPSK	75	0	22.45	22.71	22.65	22.57	22.55	
15	16QAM	1	0	22.51	22.65	22.45	22.64	22.46	
15	16QAM	1	37	22.44	22.65	22.60	22.64	22.54	22.8
15	16QAM	1	74	22.45	22.55	22.46	22.56	22.56	
15	16QAM	36	0	21.48	21.66	21.59	21.55	21.59	
15	16QAM	36	20	21.52	21.58	21.50	21.36	21.54	21.8
15	16QAM	36	39	21.51	21.49	21.41	21.48	21.57	
15	16QAM	75	0	21.49	21.53	21.42	21.48	21.47	
15	64QAM	1	0	21.54	21.64	21.45	21.52	21.48	
15	64QAM	1	37	21.54	21.52	21.38	21.50	21.39	21.8
15	64QAM	1	74	21.45	21.57	21.38	21.47	21.50	
15	64QAM	36	0	20.43	20.38	20.55	20.63	20.54	
15	64QAM	36	20	20.28	20.24	20.40	20.48	20.48	20.8
15	64QAM	36	39	20.38	20.15	20.39	20.45	20.34	
15	64QAM	75	0	20.39	20.36	20.38	20.47	20.42	
15	256QAM	1	0	18.24	18.26	18.27	18.25	18.24	
15	256QAM	1	37	18.05	18.08	18.26	18.13	18.19	18.8
15	256QAM	1	74	18.12	18.17	18.07	18.24	18.17	
15	256QAM	36	0	18.06	18.19	18.24	18.13	18.28	
15	256QAM	36	20	18.23	18.12	18.13	18.15	18.17	18.8
15	256QAM	36	39	18.18	18.14	18.19	18.16	18.06	
15	256QAM	75	0	18.16	18.25	18.23	18.11

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.44	21.59	21.43	21.46	21.37	21.8
20	QPSK	1	49	21.69	21.80	21.65	21.52	21.49	
20	QPSK	1	99	21.44	21.54	21.51	21.44	21.45	
20	QPSK	50	0	21.36	21.50	21.42	21.43	21.36	
20	QPSK	50	24	21.57	21.58	21.45	21.48	21.37	21.8
20	QPSK	50	50	21.41	21.50	21.29	21.39	21.34	
20	QPSK	100	0	21.52	21.50	21.52	21.50	21.34	
20	16QAM	1	0	21.40	21.41	21.48	21.42	21.34	
20	16QAM	1	49	21.39	21.54	21.29	21.38	21.26	21.8
20	16QAM	1	99	21.49	21.49	21.47	21.51	21.34	
20	16QAM	50	0	21.35	21.50	21.36	21.39	21.35	
20	16QAM	50	24	21.38	21.48	21.40	21.36	21.28	21.8
20	16QAM	50	50	21.55	21.59	21.49	21.38	21.42	
20	16QAM	100	0	21.39	21.50	21.34	21.35	21.30	
20	64QAM	1	0	21.30	21.55	21.40	21.43	21.29	
20	64QAM	1	49	21.47	21.49	21.41	21.51	21.34	21.8
20	64QAM	1	99	21.42	21.49	21.45	21.43	21.39	
20	64QAM	50	0	21.32	21.45	21.32	21.42	21.32	
20	64QAM	50	24	21.46	21.50	21.40	21.36	21.26	21.8
20	64QAM	50	50	21.37	21.35	21.16	21.34	21.25	
20	64QAM	100	0	21.51	21.58	21.37	21.36	21.23	
20	256QAM	1	0	19.13	19.10	19.20	19.08	19.15	19.8
20	256QAM	1	49	19.10	19.03	19.15	18.96	19.01	
20	256QAM	1	99	19.02	19.03	19.15	19.01	19.10	
20	256QAM	50	0	19.07	19.08	19.06	19.06	19.10	19.8
20	256QAM	50	24	19.12	19.00	19.12	18.93	19.14	
20	256QAM	50	50	19.07	19.06	19.05	19.04	19.00	
20	256QAM	100	0	19.05	18.97	19.18	19.00	19.09	
Channel				75	8278	12480	16683	24885	Tune-up limit (dBm)
Frequency (MHz)				7.5	627.8	1248	1868.2	2488.5	
15	QPSK	1	0	21.43	21.58	21.32	21.44	21.26	21.8
15	QPSK	1	37	21.54	21.59	21.48	21.39	21.36	
15	QPSK	1	74	21.38	21.41	21.37	21.34	21.36	
15	QPSK	36	0	21.29	21.36	21.31	21.32	21.24	
15	QPSK	36	20	21.53	21.53	21.31	21.40	21.24	21.8
15	QPSK	36	39	21.27	21.40	21.34	21.37	21.29	
15	QPSK	75	0	21.50	21.46	21.44	21.49	21.33	
15	16QAM	1	0	21.31	21.31	21.35	21.38	21.26	21.8
15	16QAM	1	37	21.58	21.50	21.20	21.37	21.17	
15	16QAM	1	74	21.48	21.34	21.39	21.38	21.19	
15	16QAM	36	0	21.34	21.48	21.26	21.27	21.25	
15	16QAM	36	20	21.33	21.37	21.27	21.33	21.19	21.8
15	16QAM	36	39	21.47	21.50	21.47	21.34	21.34	
15	16QAM	75	0	21.37	21.46	21.29	21.27	21.20	
15	64QAM	1	0	21.21	21.52	21.34	21.32	21.26	
15	64QAM	1	37	21.36	21.45	21.37	21.36	21.32	21.8
15	64QAM	1	74	21.37	21.41	21.31	21.30	21.36	
15	64QAM	36	0	21.20	21.40	21.24	21.35	21.25	
15	64QAM	36	20	21.34	21.39	21.38	21.28	21.12	21.8
15	64QAM	36	39	21.22	21.25	21.01	21.29	21.24	
15	64QAM	75	0	21.43	21.47	21.23	21.27	21.12	
15	256QAM	1	0	19.09	19.08	19.07	19.02	19.01	19.8
15	256QAM	1	37	19.02	18.95	19.07	18.82	18.98	
15	256QAM	1	74	18.91	18.95	19.05	19.00	18.97	
15	256QAM	36	0	19.03	19.01	18.93	19.03	19.05	
15	256QAM	36	20	19.00	18.88	19.04	18.86	19.13	19.8
15	256QAM	36	39	19.03	18.98	19.00	18.94	18.95	
15	256QAM	75	0	18.95	18.83	19.07	18.97	19.08	
Channel				50	8265	12480	16695	24910	Tune-up limit (dBm)
Frequency (MHz)				5	625.5	1248	1870.5	2491	
10	QPSK	1	0	21.35	21.53	21.41	21.33	21.29	21.8
10	QPSK	1	25	21.55	21.58	21.49	21.51	21.35	
10	QPSK	1	49	21.37	21.52	21.39	21.31	21.35	
10	QPSK	25	0	21.26	21.47	21.31	21.30	21.28	
10	QPSK	25	12	21.26	21.44	21.26	21.46	21.22	21.8
10	QPSK	25	25	21.31	21.42	21.19	21.29	21.20	
10	QPSK	50	0	21.46	21.50	21.44	21.44	21.26	
10	16QAM	1	0	21.34	21.39	21.33	21.30	21.32	21.8
10	16QAM	1	25	21.31	21.43	21.28	21.28	21.13	
10	16QAM	1	49	21.44	21.43	21.32	21.50	21.19	
10	16QAM	25	0	21.23	21.43	21.34	21.29	21.29	21.8
10	16QAM	25	12	21.27	21.45	21.33	21.33	21.24	
10	16QAM	25	25	21.49	21.50	21.45	21.25	21.28	
10	16QAM	50	0	21.25	21.40	21.21	21.25	21.26	
10	64QAM	1	0	21.15	21.47	21.28	21.41	21.21	21.8
10	64QAM	1	25	21.38	21.38	21.32	21.39	21.21	
10	64QAM	1	49	21.36	21.42	21.44	21.33	21.37	
10	64QAM	25	0	21.30	21.31	21.26	21.32	21.31	
10	64QAM	25	12	21.33	21.38	21.27	21.27	21.12	21.8
10	64QAM	25	25	21.25	21.25	21.12	21.35	21.18	
10	64QAM	50	0	21.36	21.50	21.26	21.26	21.10	
10	256QAM	1	0	18.98	19.03	19.15	19.04	19.05	19.8
10	256QAM	1	25	19.09	18.93	19.08	18.94	18.95	
10	256QAM	1	49	18.94	19.00	19.03	18.87	19.04	
10	256QAM	25	0	18.96	18.99	19.06	18.97	19.00	
10	256QAM	25	12	19.06	18.93	19.06	18.79	19.02	19.8
10	256QAM	25	25	19.02	18.91	18.97	18.92	18.88	
10	256QAM	50	0	18.97	18.90	19.04	18.86	19.03	
Channel				25	8253	12480	16708	24935	Tune-up limit (dBm)
Frequency (MHz)				2.5	625.3	1248	1870.8	2493.5	
5	QPSK	1	0	21.29	21.44	21.36	21.45	21.24	21.8
5	QPSK	1	12	21.54	21.50	21.54	21.50	21.42	
5	QPSK	1	24	21.43	21.47	21.47	21.38	21.38	
5	QPSK	12	0	21.23	21.38	21.40	21.32	21.30	
5	QPSK	12	7	21.44	21.50	21.31	21.35	21.34	21.8
5	QPSK	12	13	21.29	21.48	21.27	21.27	21.22	
5	QPSK	25	0	21.43	21.46	21.47	21.44	21.30	
5	16QAM	1	0	21.34	21.38	21.37	21.40	21.21	21.8
5	16QAM	1	12	21.33	21.42	21.18	21.36	21.13	
5	16QAM	1	24	21.43	21.36	21.41	21.49	21.31	
5	16QAM	12	0	21.24	21.49	21.35	21.29	21.24	
5	16QAM	12	7	21.32	21.46	21.27	21.34	21.25	21.8
5	16QAM	12	13	21.49	21.48	21.42	21.36	21.41	
5	16QAM	25	0	21.28	21.48	21.31	21.20	21.18	
5	64QAM	1	0	21.17	21.45	21.30	21.36	21.14	
5	64QAM	1	12	21.32	21.47	21.40	21.36	21.24	21.8
5	64QAM	1	24	21.28	21.42	21.38	21.45	21.32	
5	64QAM	12	0	21.26	21.33	21.26	21.31	21.22	
5	64QAM	12	7	21.44	21.49	21.36	21.23	21.12	21.8
5	64QAM	12	13	21.36	21.51	21.11	21.29	21.16	
5	64QAM	25	0	21.36	21.51	21.29	21.27	21.22	
5	256QAM	1	0	19.06	19.06	19.19	19.00	19.05	19.8
5	256QAM	1	12	19.07	18.89	19.05	18.84	18.90	
5	256QAM	1	24	18.97	18.96	19.14	18.95	18.99	
5	256QAM	12	0	18.92	18.94	18.97	18.91	19.04	19.8
5	256QAM	12	7	19.11	18.90	19.05	18.92	19.05	
5	256QAM	12	13	18.94	19.00	19.01	19.01	18.92	
5	256QAM	25	0	18.94	18.91	19.14	18.94	18.98	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.94	22.06	21.87	21.98	21.99	23.4
20	QPSK	1	49	21.98	22.08	22.00	22.02	22.05	
20	QPSK	1	99	21.93	21.98	21.96	21.94	21.98	
20	QPSK	50	0	21.89	21.96	21.76	21.92	21.91	
20	QPSK	50	24	21.96	22.03	21.86	21.95	22.01	23.4
20	QPSK	50	50	21.79	21.85	21.84	21.80	21.86	
20	QPSK	100	0	21.88	21.98	21.80	21.83	21.93	
20	16QAM	1	0	21.91	22.07	21.95	21.94	21.90	
20	16QAM	1	49	21.88	21.84	21.87	21.89	21.87	23.4
20	16QAM	1	99	21.92	21.95	21.73	21.95	21.93	
20	16QAM	50	0	21.88	22.03	21.92	21.94	22.04	
20	16QAM	50	24	21.80	21.90	21.86	21.87	21.94	23.4
20	16QAM	50	50	21.82	22.02	21.78	21.89	21.95	
20	16QAM	100	0	21.95	21.98	21.86	22.00	22.00	
20	64QAM	1	0	21.79	21.94	21.87	21.93	21.93	
20	64QAM	1	49	21.87	21.99	21.78	21.97	21.89	23.4
20	64QAM	1	99	21.95	21.94	21.91	21.97	21.95	
20	64QAM	50	0	21.87	21.88	21.93	21.89	21.97	
20	64QAM	50	24	21.88	21.98	21.83	21.95	21.98	23.4
20	64QAM	50	50	21.87	22.06	21.87	21.99	22.00	
20	64QAM	100	0	21.80	21.96	21.94	21.89	21.84	
20	256QAM	1	0	21.33	21.40	21.36	21.31	21.35	
20	256QAM	1	49	21.25	21.34	21.23	21.20	21.29	22.9
20	256QAM	1	99	21.26	21.33	21.24	21.29	21.26	
20	256QAM	50	0	21.29	21.35	21.24	21.26	21.31	
20	256QAM	50	24	21.24	21.35	21.33	21.19	21.28	22.9
20	256QAM	50	50	21.25	21.37	21.23	21.24	21.21	
20	256QAM	100	0	21.29	21.39	21.27	21.23	21.31	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.87	22.04	21.85	21.86	21.90	23.4
15	QPSK	1	37	21.95	22.05	21.94	21.99	22.02	
15	QPSK	1	74	21.88	21.85	21.95	21.76	21.89	
15	QPSK	36	0	21.79	21.91	21.71	21.88	21.81	
15	QPSK	36	20	21.89	21.98	21.84	21.88	21.98	23.4
15	QPSK	36	39	21.78	21.83	21.74	21.70	21.71	
15	QPSK	75	0	21.74	21.88	21.76	21.80	21.89	
15	16QAM	1	0	21.87	21.95	21.86	21.90	21.89	
15	16QAM	1	37	21.77	21.70	21.77	21.81	21.73	23.4
15	16QAM	1	74	21.84	21.85	21.72	21.91	21.88	
15	16QAM	36	0	21.81	21.93	21.78	21.83	21.89	
15	16QAM	36	20	21.71	21.79	21.84	21.73	21.80	23.4
15	16QAM	36	39	21.70	22.01	21.63	21.79	21.86	
15	16QAM	75	0	21.87	21.89	21.85	21.91	21.92	
15	64QAM	1	0	21.67	21.92	21.85	21.94	21.92	
15	64QAM	1	37	21.80	21.89	21.71	21.93	21.84	23.4
15	64QAM	1	74	21.84	21.79	21.94	21.84	21.84	
15	64QAM	36	0	21.83	21.77	21.88	21.74	21.84	
15	64QAM	36	20	21.73	21.87	21.72	21.94	21.86	23.4
15	64QAM	36	39	21.83	22.04	21.83	21.86	21.92	
15	64QAM	75	0	21.71	21.95	21.79	21.79	21.69	
15	256QAM	1	0	21.32	21.36	21.22	21.24	21.25	
15	256QAM	1	37	21.24	21.21	21.10	21.19	21.20	22.9
15	256QAM	1	74	21.14	21.28	21.10	21.27	21.20	
15	256QAM	36	0	21.21	21.25	21.21	21.16	21.27	
15	256QAM	36	20	21.23	21.26	21.24	21.07	21.25	22.9
15	256QAM	36	39	21.21	21.27	21.16	21.09	21.08	
15	256QAM	75	0	21.20	21.26	21.13	21.20	21.26	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.93	22.05	21.76	21.97	21.97	23.4
10	QPSK	1	25	21.86	21.98	21.85	21.92	21.94	
10	QPSK	1	49	21.89	21.85	21.81	21.79	21.84	
10	QPSK	25	0	21.84	21.90	21.63	21.84	21.83	
10	QPSK	25	12	21.82	21.98	21.78	21.91	21.92	23.4
10	QPSK	25	25	21.72	21.76	21.82	21.65	21.82	
10	QPSK	50	0	21.86	21.93	21.69	21.77	21.78	
10	16QAM	1	0	21.78	21.95	21.80	21.79	21.83	
10	16QAM	1	25	21.81	21.82	21.86	21.85	21.76	23.4
10	16QAM	1	49	21.87	21.91	21.67	21.87	21.86	
10	16QAM	25	0	21.79	21.97	21.90	21.82	21.91	
10	16QAM	25	12	21.76	21.79	21.76	21.91	21.91	23.4
10	16QAM	25	25	21.79	21.93	21.71	21.81	21.92	
10	16QAM	50	0	21.82	21.95	21.74	21.90	21.88	
10	64QAM	1	0	21.67	21.85	21.76	21.77	21.80	
10	64QAM	1	25	21.77	21.81	21.73	21.90	21.83	23.4
10	64QAM	1	49	21.82	21.89	21.86	21.94	21.85	
10	64QAM	25	0	21.81	21.79	21.83	21.81	21.72	
10	64QAM	25	12	21.77	21.86	21.78	21.90	21.84	23.4
10	64QAM	25	25	21.78	21.82	21.76	21.91	21.94	
10	64QAM	50	0	21.71	21.86	21.81	21.84	21.73	
10	256QAM	1	0	21.19	21.25	21.32	21.22	21.26	22.9
10	256QAM	1	25	21.24	21.13	21.33	21.16	21.28	
10	256QAM	1	49	21.18	21.21	21.16	21.27	21.22	
10	256QAM	25	0	21.22	21.30	21.10	21.16	21.28	
10	256QAM	25	12	21.10	21.34	21.23	21.15	21.19	22.9
10	256QAM	25	25	21.20	21.21	21.13	21.18	21.15	
10	256QAM	50	0	21.23	21.26	21.25	21.10	21.26	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.93	22.03	21.84	21.89	21.94	23.4
5	QPSK	1	12	21.97	22.03	21.83	21.97	21.97	
5	QPSK	1	24	21.90	21.94	21.81	21.87	21.93	
5	QPSK	12	0	21.88	21.82	21.70	21.81	21.83	
5	QPSK	12	7	21.88	21.95	21.79	21.86	21.97	23.4
5	QPSK	12	13	21.64	21.73	21.71	21.75	21.80	
5	QPSK	25	0	21.81	21.83	21.75	21.70	21.92	
5	16QAM	1	0	21.80	21.99	21.81	21.91	21.88	
5	16QAM	1	12	21.85	21.90	21.77	21.83	21.75	23.4
5	16QAM	1	24	21.86	21.91	21.58	21.87	21.86	
5	16QAM	12	0	21.84	22.00	21.84	21.86	21.94	
5	16QAM	12	7	21.79	21.79	21.84	21.79	21.82	23.4
5	16QAM	12	13	21.74	21.98	21.75	21.87	21.90	
5	16QAM	25	0	21.94	21.87	21.79	21.88	21.90	
5	64QAM	1	0	21.66	21.79	21.75	21.80	21.90	
5	64QAM	1	12	21.76	21.95	21.69	21.83	21.87	23.4
5	64QAM	1	24	21.92	21.94	21.80	21.87	21.94	
5	64QAM	12	0	21.78	21.81	21.85	21.74	21.80	
5	64QAM	12	7	21.76	21.87	21.77	21.84	21.97	23.4
5	64QAM	12	13	21.79	21.94	21.64	21.84	21.94	
5	64QAM	25	0	21.74	21.94	21.93	21.85	21.78	
5	256QAM	1	0	21.32	21.37	21.21	21.16	21.26	22.9
5	256QAM	1	12	21.18	21.32	21.18	21.16	21.21	
5	256QAM	1	24	21.23	21.30	21.20	21.15	21.24	
5	256QAM	12	0	21.22	21.27	21.09	21.15	21.16	22.9
5	256QAM	12	7	21.09	21.32	21.27	21.18	21.13	
5	256QAM	12	13	21.19	21.29	21.17	21.20	21.15	
5	256QAM	25	0	21.23	21.32	21.18	21.22	21.29	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.49	24.65	24.45	24.47	24.43	24.8
20	QPSK	1	49	24.68	24.71	24.67	24.62	24.68	
20	QPSK	1	99	24.33	24.58	24.53	24.51	24.62	
20	QPSK	50	0	23.56	23.58	23.58	23.53	23.56	
20	QPSK	50	24	23.68	23.77	23.75	23.66	23.69	23.8
20	QPSK	50	50	23.66	23.72	23.63	23.64	23.66	
20	QPSK	100	0	23.57	23.71	23.64	23.53	23.67	
20	16QAM	1	0	23.62	23.56	23.34	23.37	23.39	
20	16QAM	1	49	23.33	23.73	23.65	23.39	23.50	23.8
20	16QAM	1	99	23.62	23.47	23.62	23.36	23.55	
20	16QAM	50	0	22.46	22.69	22.60	22.50	22.55	
20	16QAM	50	24	22.76	22.77	22.63	22.45	22.66	22.8
20	16QAM	50	50	22.79	22.71	22.66	22.60	22.69	
20	16QAM	100	0	22.61	22.73	22.63	22.50	22.60	
20	64QAM	1	0	22.64	22.82	22.60	22.52	22.65	
20	64QAM	1	49	22.67	22.60	22.33	22.48	22.69	22.8
20	64QAM	1	99	22.43	22.57	22.58	22.45	22.35	
20	64QAM	50	0	21.58	21.69	21.53	21.48	21.54	
20	64QAM	50	24	21.62	21.77	21.66	21.67	21.54	21.8
20	64QAM	50	50	21.58	21.70	21.68	21.46	21.66	
20	64QAM	100	0	21.64	21.72	21.66	21.47	21.61	
20	256QAM	1	0	19.23	19.18	19.27	19.22	19.20	19.8
20	256QAM	1	49	19.08	19.05	19.13	19.19	19.16	
20	256QAM	1	99	19.16	19.07	19.23	19.17	19.09	
20	256QAM	50	0	19.20	19.05	19.21	19.21	19.17	
20	256QAM	50	24	19.20	19.14	19.14	19.19	19.12	19.8
20	256QAM	50	50	19.18	19.16	19.22	19.09	19.05	
20	256QAM	100	0	19.15	19.11	19.20	19.21	19.08	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.44	24.59	24.42	24.44	24.42	24.8
15	QPSK	1	37	24.57	24.65	24.63	24.58	24.62	
15	QPSK	1	74	24.25	24.56	24.43	24.39	24.52	
15	QPSK	36	0	23.53	23.52	23.54	23.42	23.55	
15	QPSK	36	20	23.56	23.66	23.70	23.60	23.57	23.8
15	QPSK	36	39	23.54	23.62	23.61	23.50	23.55	
15	QPSK	75	0	23.42	23.56	23.53	23.38	23.59	
15	16QAM	1	0	23.59	23.50	23.25	23.26	23.28	
15	16QAM	1	37	23.29	23.58	23.50	23.24	23.35	23.8
15	16QAM	1	74	23.50	23.33	23.54	23.27	23.43	
15	16QAM	36	0	22.32	22.59	22.56	22.46	22.53	
15	16QAM	36	20	22.74	22.66	22.49	22.62	22.63	22.8
15	16QAM	36	39	22.74	22.69	22.63	22.47	22.58	
15	16QAM	75	0	22.57	22.68	22.50	22.40	22.55	
15	64QAM	1	0	22.54	22.36	22.54	22.47	22.56	
15	64QAM	1	37	22.52	22.54	22.23	22.38	22.51	22.8
15	64QAM	1	74	22.35	22.54	22.45	22.41	22.34	
15	64QAM	36	0	21.48	21.65	21.39	21.45	21.53	
15	64QAM	36	20	21.58	21.64	21.53	21.62	21.41	21.8
15	64QAM	36	39	21.56	21.59	21.57	21.39	21.54	
15	64QAM	75	0	21.53	21.60	21.56	21.41	21.47	
15	256QAM	1	0	19.12	19.03	19.22	19.16	19.14	19.8
15	256QAM	1	37	19.06	18.95	19.02	18.97	19.03	
15	256QAM	1	74	19.06	19.04	19.19	19.06	19.01	
15	256QAM	36	0	19.09	18.98	19.16	19.18	19.05	
15	256QAM	36	20	19.09	19.12	18.99	19.13	18.98	19.8
15	256QAM	36	39	19.12	19.02	19.09	19.03	18.92	
15	256QAM	75	0	19.03	19.05	19.15	19.19	19.06

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	19.84	19.99	19.88	19.70	
20	QPSK	1	49	21.70	21.80	21.78	21.74	22.3
20	QPSK	1	99	19.65	19.72	19.61	19.46	
20	QPSK	50	0	21.56	21.66	21.62	21.60	
20	QPSK	50	24	21.64	21.76	21.64	21.65	22.3
20	QPSK	50	50	21.61	21.63	21.63	21.56	
20	QPSK	100	0	17.72	17.86	17.70	17.53	18.8
20	16QAM	1	0	18.72	18.86	18.75	18.57	
20	16QAM	1	49	21.47	21.62	21.54	21.62	22.3
20	16QAM	1	99	18.63	18.75	18.65	18.47	
20	16QAM	50	0	21.66	21.76	21.68	21.59	
20	16QAM	50	24	21.53	21.53	21.55	21.63	22.3
20	16QAM	50	50	21.62	21.74	21.69	21.48	
20	16QAM	100	0	16.73	16.84	16.75	16.60	17.8
20	64QAM	1	0	17.64	17.77	17.66	17.50	
20	64QAM	1	49	21.55	21.66	21.65	21.64	22.3
20	64QAM	1	99	17.99	17.99	17.86	17.73	
20	64QAM	50	0	21.44	21.42	21.39	21.40	
20	64QAM	50	24	21.30	21.30	21.36	21.36	21.8
20	64QAM	50	50	21.39	21.35	21.30	21.39	
20	64QAM	100	0	15.75	15.85	15.71	15.59	16.8
20	256QAM	1	0	14.53	14.68	14.56	14.41	
20	256QAM	1	49	19.32	19.27	19.24	19.23	19.8
20	256QAM	1	99	14.65	14.76	14.64	14.47	
20	256QAM	50	0	19.38	19.30	19.31	19.33	
20	256QAM	50	24	19.31	19.30	19.20	19.36	19.8
20	256QAM	50	50	19.27	19.25	19.30	19.30	
20	256QAM	100	0	15.77	15.83	15.76	15.57	16.8
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	19.81	19.84	19.79	19.59	
15	QPSK	1	37	21.56	21.72	21.64	21.59	22.3
15	QPSK	1	74	19.60	19.60	19.46	19.41	
15	QPSK	36	0	21.46	21.61	21.56	21.58	
15	QPSK	36	20	21.54	21.74	21.51	21.60	22.3
15	QPSK	36	39	21.50	21.55	21.61	21.51	
15	QPSK	75	0	17.70	17.72	17.62	17.48	18.8
15	16QAM	1	0	18.69	18.77	18.73	18.46	
15	16QAM	1	37	21.33	21.49	21.52	21.53	22.3
15	16QAM	1	74	18.50	18.62	18.61	18.46	
15	16QAM	36	0	21.57	21.63	21.58	21.46	
15	16QAM	36	20	21.45	21.39	21.40	21.52	22.3
15	16QAM	36	39	21.49	21.65	21.68	21.40	
15	16QAM	75	0	16.63	16.74	16.64	16.54	17.8
15	64QAM	1	0	17.52	17.62	17.54	17.47	
15	64QAM	1	37	21.41	21.55	21.56	21.60	22.3
15	64QAM	1	74	17.87	17.87	17.80	17.60	
15	64QAM	36	0	21.34	21.28	21.37	21.33	
15	64QAM	36	20	21.22	21.23	21.25	21.34	21.8
15	64QAM	36	39	21.36	21.20	21.23	21.26	
15	64QAM	75	0	15.66	15.79	15.61	15.45	16.8
15	256QAM	1	0	14.43	14.62	14.46	14.37	
15	256QAM	1	37	19.25	19.21	19.16	19.15	19.8
15	256QAM	1	74	14.62	14.65	14.49	14.35	
15	256QAM	36	0	19.26	19.15	19.24	19.27	
15	256QAM	36	20	19.30	19.16	19.16	19.27	19.8
15	256QAM	36	39	19.14	19.12	19.21	19.18	
15	256QAM	75	0	15.66	15.77	15.67	15.45	16.8
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.75	19.90	19.77	19.68	
10	QPSK	1	25	21.56	21.67	21.67	21.62	22.3
10	QPSK	1	49	19.64	19.63	19.49	19.37	
10	QPSK	25	0	21.52	21.53	21.56	21.51	
10	QPSK	25	12	21.51	21.75	21.53	21.50	22.3
10	QPSK	25	25	21.49	21.51	21.60	21.48	
10	QPSK	50	0	17.68	17.78	17.59	17.48	18.8
10	16QAM	1	0	18.71	18.82	18.65	18.45	
10	16QAM	1	25	21.33	21.49	21.41	21.58	22.3
10	16QAM	1	49	18.54	18.72	18.62	18.44	
10	16QAM	25	0	21.55	21.66	21.62	21.45	
10	16QAM	25	12	21.39	21.67	21.48	21.53	22.3
10	16QAM	25	25	21.48	21.63	21.64	21.34	
10	16QAM	50	0	16.68	16.76	16.68	16.59	17.8
10	64QAM	1	0	17.61	17.72	17.51	17.35	
10	64QAM	1	25	21.51	21.61	21.55	21.56	22.3
10	64QAM	1	49	17.88	17.91	17.77	17.70	
10	64QAM	25	0	21.32	21.31	21.32	21.25	
10	64QAM	25	12	21.21	21.26	21.24	21.25	21.8
10	64QAM	25	25	21.34	21.28	21.37	21.27	
10	64QAM	50	0	15.63	15.79	15.62	15.55	16.8
10	256QAM	1	0	14.44	14.57	14.52	14.40	
10	256QAM	1	25	19.30	19.16	19.09	19.08	19.8
10	256QAM	1	49	14.58	14.61	14.54	14.43	
10	256QAM	25	0	19.24	19.24	19.16	19.22	
10	256QAM	25	12	19.27	19.20	19.08	19.23	19.8
10	256QAM	25	25	19.12	19.13	19.22	19.28	
10	256QAM	50	0	15.73	15.78	15.66	15.42	16.8
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.79	19.87	19.85	19.56	
5	QPSK	1	12	21.64	21.74	21.66	21.67	22.3
5	QPSK	1	24	19.60	19.63	19.54	19.42	
5	QPSK	12	0	21.54	21.60	21.53	21.48	
5	QPSK	12	7	21.50	21.79	21.55	21.62	22.3
5	QPSK	12	13	21.51	21.52	21.60	21.55	
5	QPSK	25	0	17.71	17.74	17.58	17.47	18.8
5	16QAM	1	0	18.58	18.85	18.70	18.54	
5	16QAM	1	12	21.34	21.58	21.46	21.60	22.3
5	16QAM	1	24	18.57	18.62	18.55	18.33	
5	16QAM	12	0	21.63	21.65	21.61	21.50	
5	16QAM	12	7	21.49	21.46	21.42	21.51	22.3
5	16QAM	12	13	21.57	21.63	21.56	21.38	
5	16QAM	25	0	16.64	16.74	16.72	16.52	17.8
5	64QAM	1	0	17.63	17.62	17.63	17.39	
5	64QAM	1	12	21.52	21.65	21.51	21.50	22.3
5	64QAM	1	24	17.87	17.75	17.63	17.63	
5	64QAM	12	0	21.33	21.28	21.32	21.25	
5	64QAM	12	7	21.29	21.25	21.24	21.25	21.8
5	64QAM	12	13	21.29	21.30	21.17	21.26	
5	64QAM	25	0	15.69	15.75	15.66	15.48	16.8
5	256QAM	1	0	14.46	14.54	14.42	14.28	
5	256QAM	1	12	19.22	19.13	19.20	19.15	19.8
5	256QAM	1	24	14.64	14.61	14.51	14.42	
5	256QAM	12	0	19.28	19.27	19.21	19.24	
5	256QAM	12	7	19.28	19.15	19.11	19.22	19.8
5	256QAM	12	13	19.18	19.20	19.20	19.27	
5	256QAM	25	0	15.67	15.75	15.67	15.52	16.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	17.81	17.97	17.75	17.77	
20	QPSK	1	49	17.95	18.00	17.90	17.92	18.3
20	QPSK	1	99	17.66	17.82	17.81	17.81	
20	QPSK	50	0	17.70	17.95	17.68	17.75	
20	QPSK	50	24	17.88	17.98	17.84	17.91	18.3
20	QPSK	50	50	17.83	17.85	17.71	17.72	
20	QPSK	100	0	17.73	17.93	17.72	17.70	18.3
20	16QAM	1	0	17.80	17.92	17.78	17.80	
20	16QAM	1	49	17.83	17.78	17.67	17.72	18.3
20	16QAM	1	99	17.76	17.85	17.73	17.70	
20	16QAM	50	0	17.90	17.98	17.75	17.82	
20	16QAM	50	24	17.85	17.85	17.77	17.73	18.3
20	16QAM	50	50	17.76	17.94	17.66	17.72	
20	16QAM	100	0	16.84	16.91	16.94	16.71	18.3
20	64QAM	1	0	17.68	17.84	17.73	17.66	
20	64QAM	1	49	17.84	17.89	17.88	17.81	18.3
20	64QAM	1	99	17.76	17.81	17.75	17.70	
20	64QAM	50	0	17.76	17.93	17.60	17.75	
20	64QAM	50	24	17.78	17.85	17.65	17.67	18.3
20	64QAM	50	50	17.80	17.95	17.68	17.89	
20	64QAM	100	0	15.89	16.01	16.01	15.80	18.3
20	256QAM	1	0	14.77	14.87	14.87	14.61	
20	256QAM	1	49	17.94	17.85	17.79	17.85	18.3
20	256QAM	1	99	14.71	14.82	14.81	14.62	
20	256QAM	50	0	17.82	17.85	17.77	17.83	
20	256QAM	50	24	17.88	17.81	17.77	17.71	18.3
20	256QAM	50	50	17.66	17.88	17.51	17.68	
20	256QAM	100	0	15.90	15.95	15.96	15.72	18.3
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	17.75	17.85	17.65	17.64	
15	QPSK	1	37	17.83	17.97	17.82	17.82	18.3
15	QPSK	1	74	17.82	17.90	17.75	17.68	
15	QPSK	36	0	17.69	17.92	17.58	17.60	
15	QPSK	36	20	17.83	17.83	17.78	17.77	18.3
15	QPSK	36	39	17.76	17.78	17.57	17.63	
15	QPSK	75	0	17.67	17.78	17.69	17.63	18.3
15	16QAM	1	0	17.76	17.77	17.63	17.72	
15	16QAM	1	37	17.79	17.70	17.52	17.61	18.3
15	16QAM	1	74	17.67	17.82	17.64	17.60	
15	16QAM	36	0	17.87	17.90	17.68	17.68	
15	16QAM	36	20	17.76	17.78	17.64	17.72	18.3
15	16QAM	36	39	17.73	17.89	17.55	17.62	
15	16QAM	75	0	16.78	16.76	16.79	16.65	18.3
15	64QAM	1	0	17.66	17.75	17.71	17.63	
15	64QAM	1	37	17.79	17.83	17.78	17.69	18.3
15	64QAM	1	74	17.74	17.66	17.60	17.59	
15	64QAM	36	0	17.66	17.81	17.46	17.70	
15	64QAM	36	20	17.75	17.82	17.62	17.64	18.3
15	64QAM	36	39	17.66	17.88	17.78	17.78	
15	64QAM	75	0	15.74	15.89	15.95	15.78	18.3
15	256QAM	1	0	14.75	14.83	14.81	14.49	
15	256QAM	1	37	17.86	17.71	17.78	17.81	18.3
15	256QAM	1	74	14.70	14.70	14.75	14.51	
15	256QAM	36	0	17.72	17.70	17.72	17.76	
15	256QAM	36	20	17.79	17.74	17.66	17.61	18.3
15	256QAM	36	39	17.64	17.81	17.40	17.60	
15	256QAM	75	0	15.76	15.89	15.83	15.61	18.3
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	17.77	17.85	17.66	17.67	
10	QPSK	1	25	17.92	17.94	17.80	17.80	18.3
10	QPSK	1	49	17.81	17.83	17.68	17.66	
10	QPSK	25	0	17.60	17.92	17.61	17.64	
10	QPSK	25	12	17.83	17.97	17.67	17.89	18.3
10	QPSK	25	25	17.72	17.82	17.60	17.62	
10	QPSK	50	0	17.63	17.80	17.69	17.66	18.3
10	16QAM	1	0	17.74	17.88	17.77	17.75	
10	16QAM	1	25	17.79	17.66	17.60	17.67	18.3
10	16QAM	1	49	17.67	17.82	17.63	17.62	
10	16QAM	25	0	17.81	17.97	17.65	17.71	
10	16QAM	25	12	17.74	17.70	17.73	17.63	18.3
10	16QAM	25	25	17.65	17.92	17.58	17.64	
10	16QAM	50	0	16.83	16.86	16.86	16.59	18.3
10	64QAM	1	0	17.58	17.81	17.61	17.52	
10	64QAM	1	25	17.74	17.81	17.84	17.66	18.3
10	64QAM	1	49	17.66	17.72	17.61	17.57	
10	64QAM	25	0	17.63	17.91	17.49	17.60	
10	64QAM	25	12	17.75	17.71	17.62	17.57	18.3
10	64QAM	25	25	17.76	17.88	17.77	17.75	
10	64QAM	50	0	15.88	15.97	15.93	15.73	18.3
10	256QAM	1	0	14.62	14.82	14.83	14.47	
10	256QAM	1	25	17.76	17.79	17.73	17.73	18.3
10	256QAM	1	49	14.68	14.80	14.72	14.54	
10	256QAM	25	0	17.76	17.74	17.76	17.74	
10	256QAM	25	12	17.83	17.78	17.69	17.67	18.3
10	256QAM	25	25	17.81	17.81	17.41	17.65	
10	256QAM	50	0	15.75	15.89	15.87	15.68	18.3
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	17.72	17.83	17.63	17.65	
5	QPSK	1	12	17.88	17.86	17.80	17.80	18.3
5	QPSK	1	24	17.79	17.84	17.68	17.71	
5	QPSK	12	0	17.68	17.87	17.62	17.63	
5	QPSK	12	7	17.73	17.85	17.79	17.78	18.3
5	QPSK	12	13	17.75	17.76	17.70	17.65	
5	QPSK	25	0	17.69	17.88	17.57	17.60	18.3
5	16QAM	1	0	17.79	17.85	17.73	17.71	
5	16QAM	1	12	17.74	17.76	17.52	17.60	18.3
5	16QAM	1	24	17.61	17.80	17.71	17.56	
5	16QAM	12	0	17.76	17.97	17.70	17.77	
5	16QAM	12	7	17.80	17.80	17.73	17.61	18.3
5	16QAM	12	13	17.81	17.90	17.56	17.65	
5	16QAM	25	0	16.72	16.79	16.86	16.65	18.3
5	64QAM	1	0	17.62	17.72	17.67	17.54	
5	64QAM	1	12	17.70	17.75	17.73	17.68	18.3
5	64QAM	1	24	17.77	17.80	17.67	17.68	
5	64QAM	12	0	17.67	17.86	17.47	17.62	
5	64QAM	12	7	17.70	17.79	17.63	17.54	18.3
5	64QAM	12	13	17.71	17.83	17.79	17.67	
5	64QAM	25	0	15.78	15.94	15.88	15.77	18.3
5	256QAM	1	0	14.64	14.75	14.76	14.56	
5	256QAM	1	12	17.85	17.71	17.66	17.81	18.3
5	256QAM	1	24	14.58	14.74	14.66	14.54	
5	256QAM	12	0	17.70	17.71	17.76	17.75	
5	256QAM	12	7	17.81	17.79	17.65	17.58	18.3
5	256QAM	12	13	17.56	17.81	17.39	17.60	
5	256QAM	25	0	15.77	15.80	15.88	15.71	18.3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	19.43	19.44	19.41	19.33	
20	QPSK	1	49	19.45	19.50	19.48	19.44	19.8
20	QPSK	1	99	19.30	19.36	19.36	19.41	
20	QPSK	50	0	19.37	19.42	19.27	19.25	
20	QPSK	50	24	19.38	19.47	19.38	19.39	19.8
20	QPSK	50	50	19.28	19.25	19.27	19.29	
20	QPSK	100	0	18.58	18.60	18.64	18.55	19
20	16QAM	1	0	19.34	19.38	19.35	19.39	
20	16QAM	1	49	19.29	19.29	19.28	19.32	19.8
20	16QAM	1	99	19.32	19.37	19.32	19.22	
20	16QAM	50	0	19.30	19.49	19.39	19.43	
20	16QAM	50	24	19.28	19.28	19.26	19.38	19.8
20	16QAM	50	50	19.36	19.30	19.38	19.22	
20	16QAM	100	0	17.45	17.56	17.56	17.52	18
20	64QAM	1	0	18.49	18.58	18.58	18.56	
20	64QAM	1	49	19.41	19.35	19.26	19.20	19.8
20	64QAM	1	99	18.54	18.62	18.65	18.60	
20	64QAM	50	0	19.17	19.35	19.32	19.35	
20	64QAM	50	24	19.32	19.40	19.38	19.19	19.8
20	64QAM	50	50	19.31	19.36	19.43	19.43	
20	64QAM	100	0	16.42	16.51	16.53	16.49	17
20	256QAM	1	0	15.33	15.39	15.42	15.39	
20	256QAM	1	49	19.42	19.44	19.37	19.32	19.8
20	256QAM	1	99	15.38	15.48	15.47	15.44	
20	256QAM	50	0	19.39	19.40	19.26	19.20	
20	256QAM	50	24	19.36	19.34	19.35	19.20	19.8
20	256QAM	50	50	19.42	19.40	19.37	19.33	
20	256QAM	100	0	16.48	16.55	16.58	16.52	17
Channel				55315	55620	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	19.39	19.34	19.26	19.23	
15	QPSK	1	37	19.40	19.40	19.37	19.30	19.8
15	QPSK	1	74	19.22	19.34	19.28	19.40	
15	QPSK	36	0	19.36	19.33	19.26	19.20	
15	QPSK	36	20	19.28	19.33	19.28	19.38	19.8
15	QPSK	36	39	19.13	19.23	19.12	19.15	
15	QPSK	75	0	18.54	18.55	18.45	18.42	19
15	16QAM	1	0	19.29	19.26	19.27	19.28	
15	16QAM	1	37	19.23	19.26	19.27	19.19	19.8
15	16QAM	1	74	19.31	19.25	19.25	19.11	
15	16QAM	36	0	19.29	19.34	19.34	19.28	
15	16QAM	36	20	19.24	19.17	19.19	19.32	19.8
15	16QAM	36	39	19.30	19.29	19.30	19.18	
15	16QAM	75	0	17.34	17.41	17.44	17.39	18
15	64QAM	1	0	18.44	18.46	18.56	18.47	
15	64QAM	1	37	19.28	19.27	19.18	19.11	19.8
15	64QAM	1	74	18.47	18.49	18.52	18.47	
15	64QAM	36	0	19.16	19.30	19.28	19.31	
15	64QAM	36	20	19.18	19.31	19.24	19.06	19.8
15	64QAM	36	39	19.19	19.29	19.35	19.37	
15	64QAM	75	0	16.40	16.38	16.42	16.48	17
15	256QAM	1	0	15.24	15.24	15.27	15.33	
15	256QAM	1	37	19.34	19.34	19.33	19.28	19.8
15	256QAM	1	74	15.35	15.43	15.39	15.33	
15	256QAM	36	0	19.37	19.30	19.11	19.19	
15	256QAM	36	20	19.30	19.27	19.34	19.11	19.8
15	256QAM	36	39	19.33	19.33	19.36	19.21	
15	256QAM	75	0	16.47	16.46	16.54	16.45	17
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	19.37	19.33	19.35	19.19	
10	QPSK	1	25	19.30	19.48	19.35	19.39	19.8
10	QPSK	1	49	19.25	19.30	19.29	19.36	
10	QPSK	25	0	19.30	19.33	19.22	19.19	
10	QPSK	25	12	19.36	19.32	19.32	19.32	19.8
10	QPSK	25	25	19.25	19.13	19.18	19.22	
10	QPSK	50	0	18.49	18.59	18.40	18.50	19
10	16QAM	1	0	19.28	19.36	19.27	19.26	
10	16QAM	1	25	19.15	19.17	19.24	19.26	19.8
10	16QAM	1	49	19.19	19.32	19.24	19.07	
10	16QAM	25	0	19.28	19.43	19.38	19.34	
10	16QAM	25	12	19.22	19.16	19.16	19.28	19.8
10	16QAM	25	25	19.28	19.16	19.29	19.19	
10	16QAM	50	0	17.38	17.45	17.49	17.46	18
10	64QAM	1	0	18.41	18.57	18.55	18.54	
10	64QAM	1	25	19.40	19.31	19.18	19.37	19.8
10	64QAM	1	49	18.46	18.54	18.57	18.46	
10	64QAM	25	0	19.10	19.29	19.17	19.33	
10	64QAM	25	12	19.25	19.33	19.25	19.14	19.8
10	64QAM	25	25	19.21	19.30	19.28	19.33	
10	64QAM	50	0	16.32	16.44	16.39	16.43	17
10	256QAM	1	0	15.20	15.38	15.31	15.35	
10	256QAM	1	25	19.38	19.33	19.30	19.22	19.8
10	256QAM	1	49	15.26	15.38	15.42	15.38	
10	256QAM	25	0	19.30	19.25	19.11	19.07	
10	256QAM	25	12	19.27	19.25	19.25	19.05	19.8
10	256QAM	25	25	19.31	19.27	19.29	19.26	
10	256QAM	50	0	16.37	16.45	16.56	16.38	17
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.37	19.41	19.36	19.31	
5	QPSK	1	12	19.38	19.33	19.33	19.33	19.8
5	QPSK	1	24	19.23	19.36	19.24	19.26	
5	QPSK	12	0	19.26	19.35	19.16	19.18	
5	QPSK	12	7	19.

Full & Default Power

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	22.74	22.75	22.68	25.4
40	PI/2 BPSK	1	108	22.62	22.68	22.56	
40	PI/2 BPSK	1	214	22.75	22.77	22.75	
40	PI/2 BPSK	108	0	22.54	22.56	22.42	24.9
40	PI/2 BPSK	108	54	22.62	22.63	22.60	25.4
40	PI/2 BPSK	108	108	22.54	22.58	22.46	24.9
40	PI/2 BPSK	216	0	22.65	22.74	22.67	
40	QPSK	1	1	24.03	24.10	24.09	25.4
40	QPSK	1	108	23.93	24.00	23.93	
40	QPSK	1	214	23.94	24.07	24.05	
40	QPSK	108	0	22.95	23.05	22.91	24.4
40	QPSK	108	54	23.00	23.08	23.83	25.4
40	QPSK	108	108	23.01	23.08	23.05	24.4
40	QPSK	216	0	23.01	23.12	23.03	
40	16QAM	1	1	22.96	23.00	22.89	24.4
40	64QAM	1	1	21.44	21.57	21.56	22.9
40	256QAM	1	1	19.57	19.60	19.58	20.9
Channel				375500	376000	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	24.00	24.04	23.95	25.4
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	24.01	24.02	24.04	25.4
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	24.01	24.09	24.05	25.4
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	23.97	24.05	23.97	25.4
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	23.94	23.99	24.05	25.4
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	24.00	24.00	23.96	25.4
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	23.93	23.98	24.04	25.4

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	22.70	22.60	22.57	25.2
40	PI/2 BPSK	1	108	22.61	22.63	22.45	
40	PI/2 BPSK	1	214	22.68	22.76	22.69	
40	PI/2 BPSK	108	0	22.50	22.52	22.27	24.7
40	PI/2 BPSK	108	54	22.56	22.55	22.49	25.2
40	PI/2 BPSK	108	108	22.50	22.46	22.42	24.7
40	PI/2 BPSK	216	0	22.56	22.60	22.66	
40	QPSK	1	1	23.75	23.82	23.80	25.2
40	QPSK	1	108	23.60	23.78	23.72	
40	QPSK	1	214	23.68	23.69	23.75	
40	QPSK	108	0	22.80	22.78	22.82	24.2
40	QPSK	108	54	23.66	23.77	23.74	25.2
40	QPSK	108	108	22.70	22.76	22.68	24.2
40	QPSK	216	0	22.73	22.82	22.79	
40	16QAM	1	1	22.72	22.80	22.71	24.2
40	64QAM	1	1	21.23	21.30	21.26	22.7
40	256QAM	1	1	19.13	19.28	19.13	20.7
Channel				375250	376000	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	23.73	23.78	23.65	25.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	23.71	23.68	23.65	25.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	23.69	23.77	23.68	25.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	23.67	23.80	23.78	25.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	23.63	23.73	23.76	25.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	23.73	23.76	23.74	25.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	23.64	23.73	23.76	25.2

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	22.50	22.33	22.33	24.7
40	PI/2 BPSK	1	108	22.34	22.35	22.24	
40	PI/2 BPSK	1	214	22.42	22.50	22.40	
40	PI/2 BPSK	108	0	22.27	22.33	22.25	24.2
40	PI/2 BPSK	108	54	22.26	22.31	22.32	24.7
40	PI/2 BPSK	108	108	22.31	22.21	22.30	24.2
40	PI/2 BPSK	216	0	22.26	22.30	22.39	
40	QPSK	1	1	23.48	23.65	23.62	24.7
40	QPSK	1	108	23.40	23.58	23.45	
40	QPSK	1	214	23.40	23.45	23.56	
40	QPSK	108	0	22.58	22.55	22.62	23.7
40	QPSK	108	54	23.43	23.52	23.51	24.7
40	QPSK	108	108	22.49	22.50	22.42	23.7
40	QPSK	216	0	22.50	22.58	22.52	
40	16QAM	1	1	22.54	22.62	22.51	23.7
40	64QAM	1	1	20.95	21.02	21.01	22.2
40	256QAM	1	1	18.96	18.99	18.87	20.2
Channel				375000	376000	378750	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	23.34	23.60	23.54	24.7
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	23.45	23.59	23.60	24.7
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	23.37	23.59	23.47	24.7
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	23.32	23.50	23.50	24.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	23.38	23.63	23.49	24.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	23.45	23.62	23.55	24.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	23.34	23.58	23.48	24.7

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	22.83	22.73	22.77	25.2
40	PI/2 BPSK	1	108	22.64	22.74	22.61	
40	PI/2 BPSK	1	214	22.86	22.82	22.80	
40	PI/2 BPSK	108	0	22.63	22.67	22.58	24.7
40	PI/2 BPSK	108	54	22.57	22.65	22.68	25.2
40	PI/2 BPSK	108	108	22.63	22.58	22.63	24.7
40	PI/2 BPSK	216	0	22.64	22.64	22.68	
40	QPSK	1	1	23.89	23.83	23.77	25.2
40	QPSK	1	108	23.54	23.81	23.66	
40	QPSK	1	214	23.50	23.63	23.71	
40	QPSK	108	0	22.80	22.65	22.79	24.2
40	QPSK	108	54	23.65	23.78	23.71	25.2
40	QPSK	108	108	22.69	22.68	22.60	24.2
40	QPSK	216	0	22.73	22.79	22.71	
40	16QAM	1	1	22.68	22.83	22.63	24.2
40	64QAM	1	1	21.25	21.33	21.37	22.7
40	256QAM	1	1	19.29	19.40	19.24	20.7
Channel				375250	376000	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	23.54	23.78	23.62	25.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	23.62	23.75	23.65	25.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	23.62	23.72	23.75	25.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	23.62	23.69	23.76	25.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	23.56	23.72	23.70	25.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	23.60	23.76	23.73	25.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	23.60	23.80	23.64	25.2

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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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.69	23.70	23.56	25.4
20	PI/2 BPSK	1	53	23.59	23.62	23.54	
20	PI/2 BPSK	1	104	23.59	23.67	23.58	
20	PI/2 BPSK	50	0	22.90	23.05	23.04	24.9
20	PI/2 BPSK	50	28	23.43	23.50	23.40	25.4
20	PI/2 BPSK	50	56	22.95	22.91	22.98	24.9
20	PI/2 BPSK	100	0	23.02	23.04	23.03	
20	QPSK	1	1	23.96	24.00	23.95	25.4
20	QPSK	1	53	23.83	23.91	23.87	
20	QPSK	1	104	23.80	23.94	23.91	
20	QPSK	50	0	22.98	23.00	22.88	24.4
20	QPSK	50	28	23.71	23.85	23.82	25.4
20	QPSK	50	56	22.81	22.95	22.92	24.4
20	QPSK	100	0	23.02	23.06	22.94	
20	16QAM	1	1	22.88	23.00	22.87	24.4
20	64QAM	1	1	21.35	21.42	21.34	22.9
20	256QAM	1	1	19.35	19.50	19.43	20.9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.83	23.94	23.93	25.4
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.81	23.87	23.83	25.4
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.89	23.91	23.87	25.4

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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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.59	23.57	23.44	25.2
20	PI/2 BPSK	1	53	23.52	23.47	23.41	
20	PI/2 BPSK	1	104	23.48	23.53	23.48	
20	PI/2 BPSK	50	0	22.80	22.99	22.92	24.7
20	PI/2 BPSK	50	28	23.40	23.36	23.37	25.2
20	PI/2 BPSK	50	56	22.85	22.76	22.90	24.7
20	PI/2 BPSK	100	0	22.98	23.01	22.99	
20	QPSK	1	1	23.82	23.91	23.88	25.2
20	QPSK	1	53	23.68	23.81	23.73	
20	QPSK	1	104	23.77	23.87	23.80	
20	QPSK	50	0	22.85	22.87	22.76	24.2
20	QPSK	50	28	23.67	23.79	23.69	25.2
20	QPSK	50	56	22.74	22.86	22.90	24.2
20	QPSK	100	0	22.89	23.05	22.81	
20	16QAM	1	1	22.77	22.87	22.82	24.2
20	64QAM	1	1	21.25	21.29	21.29	22.7
20	256QAM	1	1	19.26	19.42	19.38	20.7
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.75	23.86	23.86	25.2
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.70	23.85	23.75	25.2
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.79	23.81	23.75	25.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.74	23.80	23.79	24.7
50	PI/2 BPSK	1	135	23.96	23.68	23.59	
50	PI/2 BPSK	1	268	23.68	23.74	23.65	
50	PI/2 BPSK	135	0	22.20	22.30	22.26	24.2
50	PI/2 BPSK	135	68	23.58	23.65	23.50	24.7
50	PI/2 BPSK	135	135	22.32	22.33	22.21	24.2
50	PI/2 BPSK	270	0	22.28	22.38	22.36	
50	QPSK	1	1	23.84	23.88	23.78	24.7
50	QPSK	1	135	23.73	23.82	23.73	
50	QPSK	1	268	23.76	23.80	23.71	
50	QPSK	135	0	22.56	22.57	22.42	23.7
50	QPSK	135	68	23.53	23.68	23.53	24.7
50	QPSK	135	135	22.53	22.60	22.50	23.7
50	QPSK	270	0	22.37	22.52	22.37	
50	16QAM	1	1	22.54	22.66	22.54	23.7
50	64QAM	1	1	21.03	21.15	21.14	22.2
50	256QAM	1	1	19.12	19.17	19.14	20.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	23.74	23.87	23.66	24.7
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	23.82	23.81	23.75	24.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.78	23.77	23.69	24.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.73	23.86	23.63	24.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	23.69	23.73	23.75	24.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.74	23.77	23.67	24.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.72	23.76	23.68	24.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.74	23.73	23.67	24.7

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.73	22.85	22.83	24.2
50	PI/2 BPSK	1	135	22.72	22.84	22.76	
50	PI/2 BPSK	1	268	22.85	22.89	22.83	
50	PI/2 BPSK	135	0	22.20	22.30	22.20	23.7
50	PI/2 BPSK	135	68	22.76	22.88	22.84	24.2
50	PI/2 BPSK	135	135	22.16	22.21	22.08	23.7
50	PI/2 BPSK	270	0	22.20	22.23	22.11	
50	QPSK	1	1	22.87	22.90	22.84	24.2
50	QPSK	1	135	22.68	22.82	22.73	
50	QPSK	1	268	22.83	22.87	22.72	
50	QPSK	135	0	21.60	21.61	21.56	23.2
50	QPSK	135	68	22.78	22.82	22.77	24.2
50	QPSK	135	135	21.58	21.72	21.69	23.2
50	QPSK	270	0	21.73	21.74	21.67	
50	16QAM	1	1	21.59	21.70	21.63	23.2
50	64QAM	1	1	20.09	20.20	20.11	21.7
50	256QAM	1	1	18.08	18.18	18.06	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	22.78	22.84	22.70	24.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	22.85	22.84	22.69	24.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	22.72	22.78	22.75	24.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	22.82	22.76	22.78	24.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	22.76	22.83	22.82	24.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.86	22.87	22.74	24.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	22.77	22.81	22.77	24.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	22.79	22.87	22.73	24.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.50	23.64	23.62	24.2
50	PI/2 BPSK	1	135	23.58	23.65	23.50	
50	PI/2 BPSK	1	268	23.51	23.58	23.50	
50	PI/2 BPSK	135	0	23.03	23.15	23.06	23.7
50	PI/2 BPSK	135	68	23.47	23.61	23.57	24.2
50	PI/2 BPSK	135	135	23.03	23.04	22.90	23.7
50	PI/2 BPSK	270	0	22.99	23.09	23.03	
50	QPSK	1	1	23.63	23.72	23.65	24.2
50	QPSK	1	135	23.52	23.67	23.58	
50	QPSK	1	268	23.53	23.58	23.44	
50	QPSK	135	0	22.83	22.66	22.54	23.2
50	QPSK	135	68	23.48	23.63	23.60	24.2
50	QPSK	135	135	22.57	22.61	22.55	23.2
50	QPSK	270	0	22.66	22.68	22.64	
50	16QAM	1	1	22.55	22.60	22.54	23.2
50	64QAM	1	1	21.03	21.10	21.06	21.7
50	256QAM	1	1	19.01	19.15	19.09	19.7
Channel				504900	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	23.60	23.64	23.61	24.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	23.58	23.58	23.61	24.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.52	23.70	23.51	24.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.48	23.71	23.56	24.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	23.50	23.58	23.59	24.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.53	23.68	23.59	24.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.53	23.66	23.54	24.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.62	23.67	23.56	24.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.32	23.38	23.45	24.2
50	PI/2 BPSK	1	135	23.39	23.42	23.33	
50	PI/2 BPSK	1	268	23.35	23.40	23.32	
50	PI/2 BPSK	135	0	22.84	22.93	22.87	23.7
50	PI/2 BPSK	135	68	23.26	23.41	23.27	24.2
50	PI/2 BPSK	135	135	22.84	22.81	22.69	23.7
50	PI/2 BPSK	270	0	22.74	22.89	22.77	
50	QPSK	1	1	23.44	23.47	23.37	24.2
50	QPSK	1	135	23.35	23.42	23.33	
50	QPSK	1	268	23.29	23.28	23.16	
50	QPSK	135	0	22.44	22.38	22.28	23.2
50	QPSK	135	68	23.23	23.43	23.33	24.2
50	QPSK	135	135	22.40	22.45	22.31	23.2
50	QPSK	270	0	22.39	22.40	22.39	
50	16QAM	1	1	22.29	22.44	22.29	23.2
50	64QAM	1	1	20.83	20.94	20.84	21.7
50	256QAM	1	1	18.74	18.94	18.86	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	23.33	23.45	23.22	24.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	23.36	23.46	23.30	24.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.42	23.32	23.35	24.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.37	23.37	23.24	24.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	23.43	23.42	23.32	24.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.36	23.41	23.22	24.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.31	23.32	23.22	24.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.40	23.34	23.29	24.2

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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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.48	23.61	23.54	25.4
15	PI/2 BPSK	1	40	23.53	23.65	23.54	
15	PI/2 BPSK	1	77	23.60	23.66	23.54	
15	PI/2 BPSK	36	0	23.04	23.05	23.04	24.9
15	PI/2 BPSK	36	22	23.59	23.62	23.59	25.4
15	PI/2 BPSK	36	43	22.95	23.10	23.00	24.9
15	PI/2 BPSK	75	0	22.95	23.02	22.97	
15	QPSK	1	1	23.65	23.70	23.67	25.4
15	QPSK	1	40	23.49	23.57	23.44	
15	QPSK	1	77	23.56	23.60	23.57	
15	QPSK	36	0	22.59	22.63	22.59	24.4
15	QPSK	36	22	23.64	23.65	23.60	25.4
15	QPSK	36	43	22.63	22.68	22.57	24.4
15	QPSK	75	0	22.53	22.57	22.52	
15	16QAM	1	1	22.63	22.68	22.64	24.4
15	64QAM	1	1	21.04	21.15	21.11	22.9
	256QAM	1	1	19.14	19.22	19.18	20.9
Channel				140900	141300	141700	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.58	23.56	23.63	25.4
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	23.50	23.69	23.61	25.4

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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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.20	23.42	23.38	25.2
15	PI/2 BPSK	1	40	23.29	23.47	23.36	
15	PI/2 BPSK	1	77	23.34	23.42	23.28	
15	PI/2 BPSK	36	0	22.78	22.84	22.81	24.7
15	PI/2 BPSK	36	22	23.39	23.44	23.38	25.2
15	PI/2 BPSK	36	43	22.78	22.89	22.82	24.7
15	PI/2 BPSK	75	0	22.74	22.84	22.71	
15	QPSK	1	1	23.40	23.53	23.44	25.2
15	QPSK	1	40	23.25	23.28	23.33	
15	QPSK	1	77	23.28	23.30	23.32	
15	QPSK	36	0	22.33	22.47	22.37	24.2
15	QPSK	36	22	23.38	23.41	23.40	25.2
15	QPSK	36	43	22.36	22.38	22.33	24.2
15	QPSK	75	0	22.25	22.38	22.27	
15	16QAM	1	1	22.42	22.41	22.43	24.2
15	64QAM	1	1	20.85	20.86	20.90	22.7
	256QAM	1	1	18.86	19.01	18.98	20.7
Channel				140920	141320	142220	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.34	23.45	23.30	25.2
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	23.34	23.50	23.42	25.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.40	22.77	22.87	25.4
40	PI/2 BPSK	1	108	22.27	22.72	22.79	
40	PI/2 BPSK	1	214	22.41	22.75	22.86	
40	PI/2 BPSK	108	0	22.07	22.48	22.55	24.9
40	PI/2 BPSK	108	54	22.21	22.52	22.53	25.4
40	PI/2 BPSK	108	108	22.11	22.49	22.47	24.9
40	PI/2 BPSK	216	0	22.21	22.58	22.68	
40	QPSK	1	1	23.52	23.88	23.98	25.4
40	QPSK	1	108	23.46	23.80	23.77	
40	QPSK	1	214	23.49	23.84	23.82	
40	QPSK	108	0	22.57	22.99	22.98	24.4
40	QPSK	108	54	23.47	23.80	23.85	25.4
40	QPSK	108	108	22.58	23.00	23.03	24.4
40	QPSK	216	0	22.62	23.03	23.07	
40	16QAM	1	1	22.52	22.89	22.90	24.4
40	64QAM	1	1	21.11	21.46	21.56	22.9
40	256QAM	1	1	19.23	19.55	19.66	20.9
Channel				372500	376500	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	23.47	23.86	23.86	25.4
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.49	23.79	23.94	25.4
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.46	23.83	23.90	25.4
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.44	23.75	23.93	25.4
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.47	23.81	23.88	25.4
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.51	23.84	23.89	25.4
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.44	23.85	23.93	25.4

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.30	22.31	22.34	25.2
40	PI/2 BPSK	1	108	22.24	22.17	22.24	
40	PI/2 BPSK	1	214	22.30	22.31	22.38	
40	PI/2 BPSK	108	0	22.03	21.98	22.08	24.7
40	PI/2 BPSK	108	54	22.15	22.06	22.02	25.2
40	PI/2 BPSK	108	108	22.05	21.98	22.00	24.7
40	PI/2 BPSK	216	0	22.08	22.09	22.27	
40	QPSK	1	1	23.47	23.40	23.49	25.2
40	QPSK	1	108	23.35	23.33	23.35	
40	QPSK	1	214	23.42	23.40	23.31	
40	QPSK	108	0	22.49	22.46	22.49	24.2
40	QPSK	108	54	23.38	23.28	23.42	25.2
40	QPSK	108	108	22.46	22.45	22.60	24.2
40	QPSK	216	0	22.51	22.52	22.60	
40	16QAM	1	1	22.38	22.43	22.49	24.2
40	64QAM	1	1	21.08	20.96	21.13	22.7
40	256QAM	1	1	19.22	19.07	19.23	20.7
Channel				372500	376500	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	23.43	23.35	23.46	25.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.46	23.38	23.41	25.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.32	23.35	23.44	25.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.40	23.36	23.47	25.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.40	23.40	23.38	25.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.42	23.40	23.38	25.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.44	23.35	23.42	25.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.48	22.50	22.63	24.4
40	PI/2 BPSK	1	108	22.42	22.42	22.55	
40	PI/2 BPSK	1	214	22.45	22.45	22.60	
40	PI/2 BPSK	108	0	22.09	22.04	22.34	23.9
40	PI/2 BPSK	108	54	22.48	22.44	22.41	24.4
40	PI/2 BPSK	108	108	22.43	22.40	22.50	23.9
40	PI/2 BPSK	216	0	22.39	22.38	22.61	
40	QPSK	1	1	23.58	23.52	23.68	24.4
40	QPSK	1	108	23.45	23.40	23.56	
40	QPSK	1	214	23.46	23.51	23.61	
40	QPSK	108	0	22.41	22.37	22.66	23.4
40	QPSK	108	54	23.52	23.45	23.60	24.4
40	QPSK	108	108	22.44	22.44	22.76	23.4
40	QPSK	216	0	22.48	22.41	22.79	
40	16QAM	1	1	22.26	22.28	22.54	23.4
40	64QAM	1	1	20.99	20.88	21.20	21.9
40	256QAM	1	1	19.17	19.10	19.40	19.9
Channel				372500	376500	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	23.46	23.49	23.61	24.4
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.49	23.41	23.65	24.4
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.43	23.40	23.57	24.4
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.45	23.43	23.66	24.4
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.47	23.49	23.66	24.4
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.50	23.44	23.53	24.4
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.51	23.45	23.63	24.4

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.62	22.62	22.74	25.2
40	PI/2 BPSK	1	108	22.42	22.61	22.60	
40	PI/2 BPSK	1	214	22.55	22.45	22.73	
40	PI/2 BPSK	108	0	22.26	22.17	22.53	24.7
40	PI/2 BPSK	108	54	22.31	22.39	22.58	25.2
40	PI/2 BPSK	108	108	22.48	22.55	22.57	24.7
40	PI/2 BPSK	216	0	22.57	22.43	22.66	
40	QPSK	1	1	23.73	23.70	23.86	25.2
40	QPSK	1	108	23.63	23.66	23.75	
40	QPSK	1	214	23.55	23.61	23.67	
40	QPSK	108	0	22.72	22.70	22.89	24.2
40	QPSK	108	54	23.83	23.54	23.65	25.2
40	QPSK	108	108	22.65	22.67	22.82	24.2
40	QPSK	216	0	22.77	22.82	22.90	
40	16QAM	1	1	22.37	22.33	22.59	24.2
40	64QAM	1	1	21.13	21.20	21.38	22.7
40	256QAM	1	1	19.30	19.23	19.51	20.7
Channel				372500	376500	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	23.69	23.62	23.78	25.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	23.58	23.59	23.78	25.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	23.62	23.66	23.76	25.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	23.67	23.58	23.77	25.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	23.68	23.66	23.80	25.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	23.65	23.61	23.73	25.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	23.67	23.65	23.83	25.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.33		25.2
10	PI/2 BPSK	1	26		23.31		
10	PI/2 BPSK	1	50		23.23		
10	PI/2 BPSK	25	0		23.28		24.7
10	PI/2 BPSK	25	14		23.29		25.2
10	PI/2 BPSK	25	27		23.22		24.7
10	PI/2 BPSK	50	0		23.31		
10	QPSK	1	1		23.35		25.2
10	QPSK	1	26		23.34		
10	QPSK	1	50		23.26		
10	QPSK	25	0		22.50		24.2
10	QPSK	25	14		23.33		25.2
10	QPSK	25	27		22.48		24.2
10	QPSK	50	0		22.46		
10	16QAM	1	1		22.40		24.2
10	64QAM	1	1		21.00		22.7
10	256QAM	1	1		19.15		20.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	23.29	23.22	23.27	25.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.82		24.2
10	PI/2 BPSK	1	26		22.79		
10	PI/2 BPSK	1	50		22.77		
10	PI/2 BPSK	25	0		22.83		23.7
10	PI/2 BPSK	25	14		22.72		24.2
10	PI/2 BPSK	25	27		22.65		23.7
10	PI/2 BPSK	50	0		22.75		
10	QPSK	1	1		22.90		24.2
10	QPSK	1	26		22.87		
10	QPSK	1	50		22.72		
10	QPSK	25	0		21.98		23.2
10	QPSK	25	14		22.81		24.2
10	QPSK	25	27		21.98		23.2
10	QPSK	50	0		21.96		
10	16QAM	1	1		21.90		23.2
10	64QAM	1	1		20.60		21.7
10	256QAM	1	1		18.75		19.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	22.83	22.87	22.84	24.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.86	22.88	22.87	25.4
45	PI/2 BPSK	1	120	22.75	22.82	22.76	
45	PI/2 BPSK	1	240	22.81	22.83	22.80	
45	PI/2 BPSK	120	0	21.51	21.65	21.60	24.9
45	PI/2 BPSK	120	60	22.55	22.56	22.43	25.4
45	PI/2 BPSK	120	120	21.53	21.63	21.62	24.9
45	PI/2 BPSK	240	0	21.62	21.65	21.60	
45	QPSK	1	1	24.11	24.12	24.05	25.4
45	QPSK	1	120	24.04	24.10	24.02	
45	QPSK	1	240	24.05	24.06	24.04	
45	QPSK	120	0	23.00	23.15	23.02	24.4
45	QPSK	120	60	23.80	23.88	23.79	25.4
45	QPSK	120	120	23.09	23.12	23.08	24.4
45	QPSK	240	0	23.07	23.11	23.09	
45	16QAM	1	1	23.12	23.15	23.05	24.4
45	64QAM	1	1	21.51	21.58	21.51	22.9
45	256QAM	1	1	19.45	19.55	19.47	20.9
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.99	24.09	23.93	25.4
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.97	24.06	23.99	25.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	24.02	24.03	23.99	25.4
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.96	24.09	23.95	25.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	24.08	23.99	23.99	25.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	24.02	24.02	24.03	25.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	24.04	24.00	23.96	25.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	24.06	24.04	24.00	25.4

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.87	22.91	22.89	25.2
45	PI/2 BPSK	1	120	22.70	22.73	22.80	
45	PI/2 BPSK	1	240	22.88	22.91	22.74	
45	PI/2 BPSK	120	0	21.65	21.68	21.69	24.7
45	PI/2 BPSK	120	60	22.54	22.61	22.58	25.2
45	PI/2 BPSK	120	120	21.72	21.68	21.61	24.7
45	PI/2 BPSK	240	0	21.69	21.69	21.68	
45	QPSK	1	1	24.21	24.25	24.06	25.2
45	QPSK	1	120	24.05	24.09	24.02	
45	QPSK	1	240	24.11	24.17	24.04	
45	QPSK	120	0	23.13	23.09	23.20	24.2
45	QPSK	120	60	23.95	24.05	24.02	25.2
45	QPSK	120	120	23.11	23.12	23.05	24.2
45	QPSK	240	0	23.11	23.15	23.11	
45	16QAM	1	1	23.21	23.11	23.08	24.2
45	64QAM	1	1	21.44	21.54	21.63	22.7
45	256QAM	1	1	19.52	19.62	19.55	20.7
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.87	23.94	23.86	25.2
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.88	24.01	23.85	25.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.84	23.98	23.93	25.2
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.87	23.95	23.92	25.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.94	23.97	23.92	25.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.83	23.94	23.92	25.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.89	23.95	23.93	25.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.96	24.00	23.94	25.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.72	22.74	22.68	25.2
45	PI/2 BPSK	1	120	22.47	22.67	22.61	
45	PI/2 BPSK	1	240	22.75	22.80	22.78	
45	PI/2 BPSK	120	0	21.47	21.56	21.47	24.7
45	PI/2 BPSK	120	60	22.46	22.53	22.45	25.2
45	PI/2 BPSK	120	120	21.44	21.58	21.40	24.7
45	PI/2 BPSK	240	0	21.56	21.62	21.56	
45	QPSK	1	1	23.94	24.05	23.97	25.2
45	QPSK	1	120	23.80	23.95	23.85	
45	QPSK	1	240	23.87	24.01	23.94	
45	QPSK	120	0	22.83	22.91	22.94	24.2
45	QPSK	120	60	23.76	23.78	23.71	25.2
45	QPSK	120	120	22.82	23.00	22.84	24.2
45	QPSK	240	0	23.08	23.16	23.07	
45	16QAM	1	1	23.07	23.02	22.99	24.2
45	64QAM	1	1	21.38	21.56	21.37	22.7
45	256QAM	1	1	19.38	19.42	19.30	20.7
Channel				348500	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.79	24.03	23.83	25.2
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.89	23.93	23.76	25.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.82	23.91	23.79	25.2
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.89	23.99	23.78	25.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.82	23.91	23.77	25.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.84	23.97	23.85	25.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.85	23.94	23.87	25.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.92	24.04	23.84	25.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.00	23.03	22.96	25.4
45	PI/2 BPSK	1	120	22.67	22.94	22.84	
45	PI/2 BPSK	1	240	23.05	23.02	22.94	
45	PI/2 BPSK	120	0	21.72	21.80	21.79	24.9
45	PI/2 BPSK	120	60	22.76	22.87	22.68	25.4
45	PI/2 BPSK	120	120	21.67	21.77	21.70	24.9
45	PI/2 BPSK	240	0	21.81	21.84	21.77	
45	QPSK	1	1	24.30	24.33	24.27	25.4
45	QPSK	1	120	24.09	24.17	24.14	
45	QPSK	1	240	24.16	24.31	24.25	
45	QPSK	120	0	23.12	23.31	23.16	24.4
45	QPSK	120	60	23.85	24.15	23.92	25.4
45	QPSK	120	120	23.04	23.31	23.15	24.4
45	QPSK	240	0	23.31	23.34	23.29	
45	16QAM	1	1	23.40	23.26	23.25	24.4
45	64QAM	1	1	21.50	21.64	21.60	22.9
45	256QAM	1	1	19.51	19.64	19.64	20.9
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	24.25	24.25	24.12	25.4
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	24.20	24.22	24.16	25.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	24.18	24.30	24.19	25.4
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	24.19	24.29	24.26	25.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	24.17	24.32	24.19	25.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	24.21	24.23	24.25	25.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	24.24	24.21	24.18	25.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	24.29	24.18	24.20	25.4

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.98		25.2
35	PI/2 BPSK	1	90		21.95		
35	PI/2 BPSK	1	189		21.88		
35	PI/2 BPSK	90	0		21.91		24.7
35	PI/2 BPSK	90	45		21.98		25.2
35	PI/2 BPSK	90	90		21.81		24.7
35	PI/2 BPSK	180	0		21.92		
35	QPSK	1	1		23.57		25.2
35	QPSK	1	90		23.51		
35	QPSK	1	189		23.32		
35	QPSK	90	0		22.46		24.2
35	QPSK	90	45		23.41		25.2
35	QPSK	90	90		22.35		24.2
35	QPSK	180	0		22.39		
35	16QAM	1	1		22.31		24.2
35	64QAM	1	1		20.76		22.7
35	256QAM	1	1		18.92		20.7
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	23.37	23.45	23.41	25.2
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	23.23	23.39	23.33	25.2
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	23.33	23.36	23.23	25.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.32	23.36	23.36	25.2
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	23.21	23.33	23.30	25.2
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.24	23.39	23.31	25.2

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.33		24.4
35	PI/2 BPSK	1	90		21.42		
35	PI/2 BPSK	1	189		21.27		
35	PI/2 BPSK	90	0		21.39		23.9
35	PI/2 BPSK	90	45		21.33		24.4
35	PI/2 BPSK	90	90		21.29		23.9
35	PI/2 BPSK	180	0		21.28		
35	QPSK	1	1		22.89		24.4
35	QPSK	1	90		22.87		
35	QPSK	1	189		22.78		
35	QPSK	90	0		21.86		23.4
35	QPSK	90	45		22.87		24.4
35	QPSK	90	90		21.79		23.4
35	QPSK	180	0		21.71		
35	16QAM	1	1		21.52		23.4
35	64QAM	1	1		19.87		21.9
35	256QAM	1	1		17.91		19.9
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	22.78	22.82	22.76	24.4
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	22.74	22.77	22.70	24.4
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	22.76	22.69	22.67	24.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	22.72	22.77	22.66	24.4
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	22.75	22.75	22.64	24.4
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	22.72	22.79	22.62	24.4

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.96	24.00	23.89	
40	PI/2 BPSK	1	53	23.80	23.95	23.85	25.4
40	PI/2 BPSK	1	104	23.96	24.08	24.04	
40	PI/2 BPSK	50	0	22.90	22.94	22.92	24.9
40	PI/2 BPSK	50	28	23.84	23.98	23.92	25.4
40	PI/2 BPSK	50	56	22.91	22.97	22.95	24.9
40	PI/2 BPSK	100	0	22.93	22.95	22.91	
40	QPSK	1	1	24.07	24.10	24.04	
40	QPSK	1	53	23.90	24.00	23.89	25.4
40	QPSK	1	104	23.95	24.03	23.94	
40	QPSK	50	0	23.10	23.14	23.00	24.4
40	QPSK	50	28	23.95	24.02	23.92	25.4
40	QPSK	50	56	23.01	23.10	23.02	24.4
40	QPSK	100	0	22.99	23.10	22.99	
40	16QAM	1	1	22.97	23.07	22.97	24.4
40	64QAM	1	1	21.70	21.75	21.68	22.9
40	256QAM	1	1	19.79	19.80	19.74	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	23.99	23.98	23.95	25.4
Channel				516024	519000	521976	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	24.00	24.01	23.94	25.4
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	24.00	24.06	23.98	25.4
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	23.93	24.04	24.00	25.4
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	24.06	24.05	24.01	25.4

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.67	23.79	23.67	
40	PI/2 BPSK	1	53	23.56	23.53	23.50	25.2
40	PI/2 BPSK	1	104	23.50	23.70	23.53	
40	PI/2 BPSK	50	0	22.71	22.80	22.71	24.7
40	PI/2 BPSK	50	28	23.65	23.64	23.51	25.2
40	PI/2 BPSK	50	56	22.72	22.76	22.70	24.7
40	PI/2 BPSK	100	0	22.71	22.74	22.72	
40	QPSK	1	1	23.95	24.00	23.98	
40	QPSK	1	53	23.88	23.93	23.85	25.2
40	QPSK	1	104	23.60	23.86	23.81	
40	QPSK	50	0	22.83	22.97	22.98	24.2
40	QPSK	50	28	23.82	23.88	23.78	25.2
40	QPSK	50	56	22.72	22.88	22.89	24.2
40	QPSK	100	0	22.73	22.94	22.81	
40	16QAM	1	1	22.90	22.95	22.83	24.2
40	64QAM	1	1	21.43	21.62	21.49	22.7
40	256QAM	1	1	19.33	19.29	19.22	20.7
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	23.82	23.86	23.86	25.2
Channel				516024	519000	521976	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	23.84	23.96	23.96	25.2
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	23.93	23.90	23.93	25.2
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	23.80	23.87	23.87	25.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	23.85	23.99	23.86	25.2

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	24.23	24.35	24.19	
40	PI/2 BPSK	1	53	24.08	23.96	23.96	25.2
40	PI/2 BPSK	1	104	23.95	24.26	24.08	
40	PI/2 BPSK	50	0	23.04	23.12	22.93	24.7
40	PI/2 BPSK	50	28	24.17	24.18	24.02	25.2
40	PI/2 BPSK	50	56	22.95	23.08	23.03	24.7
40	PI/2 BPSK	100	0	22.90	22.93	22.95	
40	QPSK	1	1	24.43	24.55	24.53	
40	QPSK	1	53	24.31	24.40	24.30	25.2
40	QPSK	1	104	24.33	24.33	24.28	
40	QPSK	50	0	23.37	23.53	23.52	24.2
40	QPSK	50	28	24.34	24.36	24.24	25.2
40	QPSK	50	56	23.27	23.41	23.40	24.2
40	QPSK	100	0	23.29	23.46	23.30	
40	16QAM	1	1	23.35	23.44	23.34	24.2
40	64QAM	1	1	21.92	22.10	22.00	22.7
40	256QAM	1	1	19.90	19.85	19.75	20.7
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	24.34	24.43	24.47	25.2
Channel				516024	519000	521976	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	24.36	24.45	24.46	25.2
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	24.37	24.41	24.43	25.2
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	24.35	24.48	24.48	25.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	24.32	24.49	24.39	25.2

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	24.27	24.32	24.18	
40	PI/2 BPSK	1	53	24.13	24.18	24.08	25.4
40	PI/2 BPSK	1	104	24.10	24.22	24.18	
40	PI/2 BPSK	50	0	23.03	23.15	23.00	24.9
40	PI/2 BPSK	50	28	24.16	24.18	24.05	25.4
40	PI/2 BPSK	50	56	23.11	23.14	23.04	24.9
40	PI/2 BPSK	100	0	22.97	23.07	23.05	
40	QPSK	1	1	24.41	24.55	24.51	
40	QPSK	1	53	24.35	24.48	24.35	25.4
40	QPSK	1	104	24.35	24.48	24.38	
40	QPSK	50	0	23.40	23.52	23.50	24.4
40	QPSK	50	28	24.34	24.40	24.31	25.4
40	QPSK	50	56	23.37	23.45	23.41	24.4
40	QPSK	100	0	23.36	23.47	23.37	
40	16QAM	1	1	23.45	23.58	23.45	24.4
40	64QAM	1	1	22.08	22.17	22.09	22.9
40	256QAM	1	1	19.88	19.90	19.82	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	24.36	24.48	24.49	25.4
Channel				516024	519000	521976	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	24.32	24.50	24.42	25.4
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	24.33	24.44	24.45	25.4
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	24.33	24.40	24.43	25.4
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	24.35	24.50	24.46	25.4

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.10	24.14	24.00	25.2
100	PI/2 BPSK	1	137	24.05	24.07	23.88	
100	PI/2 BPSK	1	271	23.91	24.15	23.98	
100	PI/2 BPSK	135	0	23.94	24.17	23.94	25.2
100	PI/2 BPSK	135	69	24.08	24.06	23.96	25.2
100	PI/2 BPSK	135	138	23.44	24.07	23.88	25.2
100	PI/2 BPSK	270	0	23.78	24.12	23.94	
100	QPSK	1	1	23.78	24.21	24.02	
100	QPSK	1	137	23.71	24.06	23.94	25.2
100	QPSK	1	271	23.69	24.10	23.90	
100	QPSK	135	0	23.60	24.07	23.99	25.2
100	QPSK	135	69	23.84	24.13	24.00	25.2
100	QPSK	135	138	23.67	24.07	23.96	25.2
100	QPSK	270	0	23.67	24.10	23.87	
100	16QAM	1	1	23.37	24.12	23.96	25.2
100	64QAM	1	1	21.84	23.02	22.90	24.7
100	256QAM	1	1	20.26	21.42	21.37	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.78	24.09	23.96	25.2
Channel				507204	518598	529596	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	23.77	24.01	23.88	25.2
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	23.78	24.12	23.88	25.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.75	24.02	23.95	25.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	23.85	24.09	23.92	25.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	23.73	24.10	23.93	25.2
Channel				502002	518598	534402	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.76	24.09	23.84	25.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	23.81	24.01	23.87	25.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.76	24.04	23.89	25.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	23.76	24.09	23.92	25.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.80	24.11	23.92	25.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	23.82	24.05	23.95	25.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.82	24.09	23.90	25.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.86	26.11	26.17	27.7
100	PI/2 BPSK	1	137	25.89	26.10	26.12	
100	PI/2 BPSK	1	271	25.84	26.21	25.84	
100	PI/2 BPSK	135	0	25.88	26.19	26.12	27.2
100	PI/2 BPSK	135	69	25.84	26.11	26.11	27.7
100	PI/2 BPSK	135	138	25.81	26.11	26.04	27.2
100	PI/2 BPSK	270	0	25.89	26.10	26.12	
100	QPSK	1	1	24.51	26.29	26.25	27.7
100	QPSK	1	137	25.91	26.21	26.23	
100	QPSK	1	271	25.89	26.11	25.71	
100	QPSK	135	0	24.53	25.10	25.07	26.7
100	QPSK	135	69	25.89	26.09	26.04	27.7
100	QPSK	135	138	25.06	25.09	25.01	26.7
100	QPSK	270	0	24.88	25.10	25.07	
100	16QAM	1	1	23.37	25.21	25.71	26.7
100	64QAM	1	1	21.84	24.05	24.30	25.2
100	256QAM	1	1	20.26	22.22	22.29	23.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	24.46	26.06	26.13	27.7
Channel				507204	518598	529596	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	24.44	26.08	26.14	27.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.36	26.11	26.17	27.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	24.45	26.16	26.08	27.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	24.40	26.12	26.10	27.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	24.38	26.16	26.09	27.7
Channel				502002	518598	534402	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.40	26.07	26.12	27.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	24.36	26.10	26.12	27.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.36	26.14	26.08	27.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	24.39	26.10	26.18	27.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.42	26.08	26.10	27.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	24.43	26.06	26.08	27.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	24.39	26.06	26.09	27.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.91	23.31	23.12	24.2
100	PI/2 BPSK	1	137	22.86	23.32	23.14	
100	PI/2 BPSK	1	271	22.91	23.20	23.06	
100	PI/2 BPSK	135	0	22.82	23.25	23.11	24.2
100	PI/2 BPSK	135	69	22.82	23.31	23.15	24.2
100	PI/2 BPSK	135	138	22.89	23.26	23.04	24.2
100	PI/2 BPSK	270	0	22.89	23.31	23.10	
100	QPSK	1	1	23.00	23.45	23.30	
100	QPSK	1	137	22.99	23.38	23.20	24.2
100	QPSK	1	271	22.85	23.34	23.22	
100	QPSK	135	0	22.90	23.32	23.20	24.2
100	QPSK	135	69	22.96	23.37	23.28	24.2
100	QPSK	135	138	22.94	23.33	23.26	24.2
100	QPSK	270	0	22.88	23.44	23.28	
100	16QAM	1	1	22.62	23.30	23.16	24.2
100	64QAM	1	1	21.12	22.45	22.28	23.7
100	256QAM	1	1	19.58	20.93	20.77	21.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.99	23.20	23.35	24.2
Channel				507204	518598	529596	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.88	23.20	23.37	24.2
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.93	23.22	23.36	24.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.89	23.17	23.30	24.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	22.87	23.27	23.35	24.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	22.92	23.16	23.30	24.2
Channel				502002	518598	534402	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.96	23.24	23.37	24.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	22.87	23.29	23.31	24.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.93	23.26	23.33	24.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	22.94	23.15	23.39	24.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.92	23.20	23.40	24.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	22.92	23.26	23.34	24.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.96	23.28	23.39	24.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.26	25.34	25.41	26.7
100	PI/2 BPSK	1	137	25.28	25.31	25.37	
100	PI/2 BPSK	1	271	25.31	25.30	24.86	
100	PI/2 BPSK	135	0	25.15	25.19	25.32	26.2
100	PI/2 BPSK	135	69	25.24	25.40	25.41	26.7
100	PI/2 BPSK	135	138	25.30	25.09	25.33	26.2
100	PI/2 BPSK	270	0	25.23	25.30	25.31	
100	QPSK	1	1	23.56	25.42	25.41	26.7
100	QPSK	1	137	25.31	25.38	25.39	
100	QPSK	1	271	25.22	25.39	25.37	
100	QPSK	135	0	23.75	24.38	24.13	25.7
100	QPSK	135	69	24.91	25.38	25.11	26.7
100	QPSK	135	138	24.33	23.86	24.11	25.7
100	QPSK	270	0	23.95	24.12	24.02	
100	16QAM	1	1	22.62	24.56	24.62	25.7
100	64QAM	1	1	21.12	23.11	23.45	24.2
100	256QAM	1	1	19.58	21.52	21.58	22.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.28	25.31	25.32	26.7
Channel				507204	518598	529596	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	23.26	25.29	25.29	26.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	23.23	25.31	25.32	26.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.28	25.32	25.31	26.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	23.20	25.29	25.34	26.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	23.22	25.27	25.34	26.7
Channel				502002	518598	534402	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.23	25.23	25.30	26.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	23.27	25.27	25.31	26.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.28	25.23	25.29	26.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	23.25	25.24	25.32	26.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.22	25.26	25.27	26.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	23.24	25.28	25.30	26.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.26	25.30	25.26	26.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.07	23.42	23.40	24.2
100	PI/2 BPSK	1	137	23.42	23.30	23.21	
100	PI/2 BPSK	1	271	23.37	23.21	23.12	
100	PI/2 BPSK	135	0	23.34	23.20	23.11	24.2
100	PI/2 BPSK	135	69	23.26	23.17	23.14	24.2
100	PI/2 BPSK	135	138	23.31	23.14	23.08	24.2
100	PI/2 BPSK	270	0	23.24	23.13	23.09	
100	QPSK	1	1	22.53	23.47	23.32	24.2
100	QPSK	1	137	23.36	23.39	23.22	
100	QPSK	1	271	23.32	23.38	23.13	
100	QPSK	135	0	22.67	23.16	23.11	24.2
100	QPSK	135	69	23.24	23.33	23.12	24.2
100	QPSK	135	138	23.07	23.11	22.99	
100	QPSK	270	0	22.69	23.17	23.00	24.2
100	16QAM	1	1	21.31	23.47	23.33	24.2
100	64QAM	1	1	20.76	22.83	22.31	23.2
100	256QAM	1	1	18.81	21.47	21.16	22.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.35	23.29	23.16	24.2
Channel				517204	518598	529992	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.45	23.27	23.17	24.2
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.47	23.26	23.11	24.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.40	23.27	23.11	24.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	22.36	23.24	23.07	24.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	22.41	23.30	23.10	24.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.45	23.33	23.09	24.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	22.42	23.24	23.13	24.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.48	23.27	23.17	24.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	22.38	23.28	23.16	24.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.40	23.34	23.07	24.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	22.36	23.27	23.15	24.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.38	23.28	23.17	24.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.58	25.30	25.25	26.7
100	PI/2 BPSK	1	137	25.25	25.22	25.21	
100	PI/2 BPSK	1	271	25.22	25.27	25.23	
100	PI/2 BPSK	135	0	25.26	25.20	25.18	26.2
100	PI/2 BPSK	135	69	25.27	25.30	25.24	26.7
100	PI/2 BPSK	135	138	25.01	25.22	25.02	26.2
100	PI/2 BPSK	270	0	25.28	25.27	25.26	
100	QPSK	1	1	22.53	25.31	25.27	26.7
100	QPSK	1	137	24.92	25.29	25.21	
100	QPSK	1	271	24.81	24.71	24.83	
100	QPSK	135	0	23.01	24.11	24.25	25.7
100	QPSK	135	69	24.76	24.89	24.79	26.7
100	QPSK	135	138	23.81	23.81	23.77	25.7
100	QPSK	270	0	23.76	23.91	23.86	
100	16QAM	1	1	21.31	24.31	24.76	25.7
100	64QAM	1	1	20.76	23.02	23.11	24.2
100	256QAM	1	1	18.81	21.63	21.58	22.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.41	25.19	25.13	26.7
Channel				517204	518598	529992	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.39	25.19	25.06	26.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.44	25.14	25.13	26.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.41	25.21	25.06	26.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	22.41	25.15	25.08	26.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	22.44	25.18	25.07	26.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.48	25.23	25.13	26.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	22.44	25.16	25.06	26.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.38	25.19	25.16	26.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	22.46	25.24	25.16	26.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.41	25.17	25.10	26.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	22.38	25.24	25.15	26.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.48	25.21	25.11	26.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.42	23.49	23.45	24.7
100	PI/2 BPSK	1	137	23.45	23.38	23.39	
100	PI/2 BPSK	1	271	23.40	23.46	23.53	
100	PI/2 BPSK	135	0	23.31	23.33	23.35	24.7
100	PI/2 BPSK	135	69	23.40	23.30	23.27	24.7
100	PI/2 BPSK	135	138	23.32	23.31	23.39	24.7
100	PI/2 BPSK	270	0	23.21	23.37	23.28	
100	QPSK	1	1	23.02	23.55	23.48	24.7
100	QPSK	1	137	23.52	23.50	23.44	
100	QPSK	1	271	23.41	23.44	23.33	
100	QPSK	135	0	23.01	23.31	23.17	24.7
100	QPSK	135	69	23.35	23.36	23.34	24.7
100	QPSK	135	138	23.34	23.27	23.11	
100	QPSK	270	0	23.04	23.20	22.93	24.7
100	16QAM	1	1	22.10	23.54	23.46	24.7
100	64QAM	1	1	21.29	23.11	22.87	24.7
100	256QAM	1	1	19.32	21.53	21.44	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.77	23.37	23.35	24.7
Channel				517204	518598	529992	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.94	23.43	23.31	24.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.78	23.36	23.31	24.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.94	23.39	23.33	24.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	22.97	23.43	23.35	24.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	22.90	23.35	23.37	24.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.85	23.36	23.35	24.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	22.84	23.41	23.32	24.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.94	23.41	23.36	24.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	22.81	23.43	23.32	24.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.96	23.44	23.38	24.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	22.83	23.37	23.36	24.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.91	23.43	23.31	24.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.11	25.72	25.63	27.2
100	PI/2 BPSK	1	137	25.77	25.68	25.78	
100	PI/2 BPSK	1	271	25.71	25.68	25.60	
100	PI/2 BPSK	135	0	24.76	25.73	25.58	26.7
100	PI/2 BPSK	135	69	25.72	25.75	25.76	27.2
100	PI/2 BPSK	135	138	25.63	25.37	25.46	26.7
100	PI/2 BPSK	270	0	25.02	25.56	25.57	
100	QPSK	1	1	23.06	25.81	25.68	27.2
100	QPSK	1	137	25.63	25.73	25.66	
100	QPSK	1	271	25.52	25.21	25.25	
100	QPSK	135	0	23.76	24.84	24.58	26.2
100	QPSK	135	69	25.23	25.67	25.11	27.2
100	QPSK	135	138	24.36	24.26	24.23	26.2
100	QPSK	270	0	24.29	24.53	24.31	
100	16QAM	1	1	22.10	24.68	24.89	26.2
100	64QAM	1	1	21.29	23.28	23.61	24.7
100	256QAM	1	1	19.32	21.96	21.91	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	22.90	25.65	25.51	27.2
Channel				517204	518598	529992	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	22.94	25.64	25.54	27.2
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.92	25.67	25.54	27.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.96	25.63	25.52	27.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	22.92	25.59	25.51	27.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	22.88	25.67	25.60	27.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.94	25.63	25.57	27.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	22.87	25.60	25.54	27.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.86	25.65	25.51	27.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	22.90	25.67	25.58	27.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.88	25.65	25.52	27.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	22.91	25.65	25.54	27.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	22.87	25.59	25.54	27.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.07	24.11	23.99	
40	PI/2 BPSK	1	53	24.16	24.18	24.13	25.2
40	PI/2 BPSK	1	104	24.01	24.11	24.06	
40	PI/2 BPSK	50	0	21.19	21.28	21.18	24.7
40	PI/2 BPSK	50	28	24.17	24.18	24.12	25.2
40	PI/2 BPSK	50	56	21.19	21.20	21.17	24.7
40	PI/2 BPSK	100	0	21.14	21.25	21.18	
40	QPSK	1	1	24.10	24.22	24.18	
40	QPSK	1	53	24.01	24.14	24.01	25.2
40	QPSK	1	104	24.00	24.12	23.99	
40	QPSK	50	0	20.66	20.80	20.77	24.2
40	QPSK	50	28	24.02	24.17	24.14	25.2
40	QPSK	50	56	20.64	20.77	20.67	24.2
40	QPSK	100	0	20.80	20.83	20.78	22.2
40	16QAM	1	1	23.04	23.18	23.14	24.2
40	64QAM	1	1	21.74	21.76	21.69	22.7
40	256QAM	1	1	19.57	19.72	19.60	20.7
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	23.95	24.14	24.01	25.2
Channel				637234	641666	646002	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	24.00	24.15	24.01	25.2
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	24.02	24.14	24.02	25.2
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	23.99	24.10	24.14	25.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.68	23.71	23.64	
40	PI/2 BPSK	1	53	23.72	23.79	23.72	24.7
40	PI/2 BPSK	1	104	23.77	23.78	23.74	
40	PI/2 BPSK	50	0	21.10	21.24	21.13	24.2
40	PI/2 BPSK	50	28	23.74	23.76	23.74	24.7
40	PI/2 BPSK	50	56	21.10	21.22	21.16	24.2
40	PI/2 BPSK	100	0	20.98	21.12	21.06	
40	QPSK	1	1	23.76	23.80	23.73	
40	QPSK	1	53	23.61	23.75	23.63	24.7
40	QPSK	1	104	23.59	23.67	23.63	
40	QPSK	50	0	20.59	20.68	20.58	23.7
40	QPSK	50	28	23.68	23.69	23.64	24.7
40	QPSK	50	56	20.58	20.70	20.60	23.7
40	QPSK	100	0	20.65	20.80	20.76	21.7
40	16QAM	1	1	23.08	23.20	23.16	23.7
40	64QAM	1	1	21.62	21.68	21.64	22.2
40	256QAM	1	1	19.68	19.70	19.69	20.2
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	23.71	23.66	23.69	24.7
Channel				637334	641666	646002	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	23.61	23.73	23.69	24.7
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	23.74	23.76	23.65	24.7
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	23.74	23.73	23.62	24.7

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.97	24.12	24.02	
40	PI/2 BPSK	1	53	24.02	24.16	24.02	25.2
40	PI/2 BPSK	1	104	24.06	24.21	24.16	
40	PI/2 BPSK	50	0	21.66	21.69	21.54	24.7
40	PI/2 BPSK	50	28	24.21	24.23	24.17	25.2
40	PI/2 BPSK	50	56	21.73	21.77	21.72	24.7
40	PI/2 BPSK	100	0	21.78	21.80	21.72	
40	QPSK	1	1	24.20	24.26	24.23	
40	QPSK	1	53	24.16	24.18	24.16	25.2
40	QPSK	1	104	24.10	24.11	24.08	
40	QPSK	50	0	21.05	21.06	21.01	24.2
40	QPSK	50	28	24.10	24.18	24.07	25.2
40	QPSK	50	56	21.09	21.19	21.10	24.2
40	QPSK	100	0	21.15	21.20	21.14	22.2
40	16QAM	1	1	23.56	23.60	23.50	24.2
40	64QAM	1	1	22.07	22.18	22.04	22.7
40	256QAM	1	1	20.09	20.15	20.11	20.7
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	24.06	24.23	24.21	25.2
Channel				637234	641666	646002	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	24.06	24.15	24.22	25.2
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	24.16	24.19	24.20	25.2
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	24.06	24.22	24.22	25.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.13	23.16	23.02	
40	PI/2 BPSK	1	53	22.95	23.10	23.06	23.7
40	PI/2 BPSK	1	104	23.12	23.15	22.96	
40	PI/2 BPSK	50	0	20.61	20.66	20.50	23.2
40	PI/2 BPSK	50	28	23.01	23.08	22.85	23.7
40	PI/2 BPSK	50	56	20.66	20.69	20.64	23.2
40	PI/2 BPSK	100	0	20.69	20.78	20.64	
40	QPSK	1	1	23.00	23.18	23.14	
40	QPSK	1	53	22.99	23.10	22.85	23.7
40	QPSK	1	104	23.03	23.08	22.99	
40	QPSK	50	0	19.97	20.10	20.03	22.7
40	QPSK	50	28	22.93	23.08	22.96	23.7
40	QPSK	50	56	20.07	20.13	19.95	22.7
40	QPSK	100	0	20.18	20.20	20.00	20.7
40	16QAM	1	1	22.51	22.65	22.45	22.7
40	64QAM	1	1	21.04	21.17	20.93	21.2
40	256QAM	1	1	19.16	19.17	18.95	19.2
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	23.02	23.15	23.10	23.7
Channel				637234	641666	646002	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	23.08	23.10	23.01	23.7
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	23.00	23.06	23.01	23.7
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	22.96	23.14	23.09	23.7

Part27Q_n77_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.17		
100	PI/2 BPSK	1	137		24.25		25.2
100	PI/2 BPSK	1	271		24.26		
100	PI/2 BPSK	135	0		24.12		25.2
100	PI/2 BPSK	135	69		24.20		25.2
100	PI/2 BPSK	135	138		24.22		25.2
100	PI/2 BPSK	270	0		24.20		
100	QPSK	1	1		24.27		
100	QPSK	1	137		24.13		25.2
100	QPSK	1	271		24.22		
100	QPSK	135	0		24.22		25.2
100	QPSK	135	69		24.24		25.2
100	QPSK	135	138		24.12		25.2
100	QPSK	270	0		24.12		
100	16QAM	1	1		24.18		25.2
100	64QAM	1	1		23.80		24.7
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	24.11	24.19	24.14	25.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	24.20	24.13	24.19	25.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	24.19	24.11	24.11	25.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	24.14	24.17	24.20	25.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	24.23	24.14	24.21	25.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	24.13	24.15	24.10	25.2
Channel				631002	633332	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	24.09	24.22	24.15	25.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	24.16	24.18	24.13	25.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	24.21	24.10	24.23	25.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	24.18	24.23	24.14	25.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	24.20	24.10	24.18	25.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.93	23.82	23.78	
100	PI/2 BPSK	1	137	23.87	23.82	23.83	25.2
100	PI/2 BPSK	1	271	23.86	23.80	23.89	
100	PI/2 BPSK	135	0	23.86	23.79	23.85	25.2
100	PI/2 BPSK	135	69	23.95	23.74	23.86	25.2
100	PI/2 BPSK	135	138	23.94	23.87	23.76	25.2
100	PI/2 BPSK	270	0	23.87	23.85	23.83	
100	QPSK	1	1	24.02	23.90	23.86	
100	QPSK	1	137	23.91	23.74	23.76	25.2
100	QPSK	1	271	23.93	23.82	23.78	
100	QPSK	135	0	23.86	23.78	23.79	25.2
100	QPSK	135	69	23.94	23.82	23.88	25.2
100	QPSK	135	138	23.89	23.75	23.87	25.2
100	QPSK	270	0	23.92	23.77	23.79	
100	16QAM	1	1	23.99	23.86	23.75	25.2
100	64QAM	1	1	23.66	23.46	23.40	24.7
100	256QAM	1	1	21.50	21.30	21.48	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	23.80	23.83	23.82	25.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	23.86	23.74	23.86	25.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	23.98	23.79	23.84	25.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	23.99	23.87	23.86	25.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	23.88	23.85	23.82	25.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	23.88	23.80	23.87	25.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	23.92	23.83	23.77	25.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	23.95	23.76	23.83	25.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	23.97	23.87	23.75	25.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	23.95	23.87	23.86	25.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	23.86	23.75	23.89	25.2

Part27Q_n77(HPUE)_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.98		
100	PI/2 BPSK	1	137		25.82		27.2
100	PI/2 BPSK	1	271		25.88		
100	PI/2 BPSK	135	0		25.38		26.7
100	PI/2 BPSK	135	69		25.90		27.2
100	PI/2 BPSK	135	138		25.40		26.7
100	PI/2 BPSK	270	0		25.35		
100	QPSK	1	1		26.30		
100	QPSK	1	137		26.22		27.2
100	QPSK	1	271		26.28		
100	QPSK	135	0		24.69		26.2
100	QPSK	135	69		26.25		27.2
100	QPSK	135	138		24.74		26.2
100	QPSK	270	0		24.65		
100	16QAM	1	1		25.35		26.2
100	64QAM	1	1		23.80		24.7
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	26.24	26.28	26.12	27.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	26.15	26.18	26.11	27.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	26.12	26.26	26.17	27.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	26.14	26.23	26.08	27.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	26.24	26.27	26.19	27.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	26.17	26.16	26.07	27.2
Channel				631002	633332	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	26.18	26.14	26.08	27.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	26.15	26.27	26.14	27.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	26.13	26.21	26.17	27.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	26.18	26.21	26.20	27.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	26.20	26.20	26.07	27.2

Part27O_n77(HPUE)_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.86	25.79	25.40	
100	PI/2 BPSK	1	137	25.91	25.79	25.44	27.2
100	PI/2 BPSK	1	271	25.89	25.78	25.40	
100	PI/2 BPSK	135	0	25.41	25.28	24.99	26.7
100	PI/2 BPSK	135	69	25.82	25.75	25.35	27.2
100	PI/2 BPSK	135	138	25.45	25.26	24.91	26.7
100	PI/2 BPSK	270	0	25.32	25.37	24.96	
100	QPSK	1	1	26.00	25.88	25.50	
100	QPSK	1	137	25.71	25.81	25.41	27.2
100	QPSK	1	271	25.66	25.80	25.40	
100	QPSK	135	0	24.91	24.82	24.37	26.2
100	QPSK	135	69	25.98	25.75	25.45	27.2
100	QPSK	135	138	24.94	24.78	24.44	26.2
100	QPSK	270	0	24.99	24.83	24.48	
100	16QAM	1	1	24.99	24.79	24.37	26.2
100	64QAM	1	1	23.66	23.45	23.00	24.7
100	256QAM	1	1	21.50	21.30	21.08	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	25.88	25.78	25.30	27.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	25.94	25.82	25.29	27.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	25.94	25.75	25.37	27.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	25.85	25.86	25.27	27.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	25.85	25.87	25.37	27.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	25.92	25.83	25.36	27.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	25.92	25.86	25.30	27.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	25.86	25.84	25.32	27.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	25.90	25.82	25.36	27.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	25.94	25.85	25.36	27.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	25.91	25.76	25.32	27.2

Part27Q_n77_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.85		24.7
100	PI/2 BPSK	1	137		23.78		
100	PI/2 BPSK	1	271		23.78		
100	PI/2 BPSK	135	0		23.71		24.7
100	PI/2 BPSK	135	69		23.82		24.7
100	PI/2 BPSK	135	138		23.71		24.7
100	PI/2 BPSK	270	0		23.82		
100	QPSK	1	1		23.66		24.7
100	QPSK	1	137		23.72		
100	QPSK	1	271		23.79		
100	QPSK	135	0		23.76		24.7
100	QPSK	135	69		23.83		24.7
100	QPSK	135	138		23.78		24.7
100	QPSK	270	0		23.80		
100	16QAM	1	1		23.79		24.7
100	64QAM	1	1		23.28		24.2
100	256QAM	1	1		21.30		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.78	23.80	23.85	24.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.79	23.80	23.81	24.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.77	23.72	23.73	24.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.78	23.76	23.71	24.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	23.76	23.85	23.79	24.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.71	23.76	23.80	24.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.74	23.77	23.71	24.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.79	23.71	23.82	24.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.76	23.75	23.79	24.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	23.71	23.72	23.83	24.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.81	23.84	23.77	24.7

Part27O_n77_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.05	23.98	23.85	24.7
100	PI/2 BPSK	1	137	23.96	23.85	23.83	
100	PI/2 BPSK	1	271	24.02	23.89	23.91	
100	PI/2 BPSK	135	0	24.04	23.95	23.92	24.7
100	PI/2 BPSK	135	69	23.95	23.97	23.93	24.7
100	PI/2 BPSK	135	138	23.92	23.89	23.87	24.7
100	PI/2 BPSK	270	0	23.94	23.90	23.92	
100	QPSK	1	1	24.06	24.00	23.96	24.7
100	QPSK	1	137	23.94	23.94	23.80	
100	QPSK	1	271	23.94	23.88	23.87	
100	QPSK	135	0	23.94	23.90	23.88	24.7
100	QPSK	135	69	24.04	23.97	23.91	24.7
100	QPSK	135	138	23.98	23.92	23.87	24.7
100	QPSK	270	0	24.03	23.87	23.86	
100	16QAM	1	1	23.92	23.93	23.93	24.7
100	64QAM	1	1	23.63	23.39	23.33	24.2
100	256QAM	1	1	21.50	21.31	21.29	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	23.98	23.93	23.80	24.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	23.92	23.95	23.93	24.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	24.02	23.94	23.80	24.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	23.95	23.87	23.89	24.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	23.91	23.98	23.86	24.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	24.01	23.94	23.88	24.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	24.01	23.87	23.90	24.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	24.01	23.85	23.84	24.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	24.03	23.86	23.83	24.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	24.02	23.88	23.91	24.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	23.93	23.91	23.86	24.7

Part27Q_n77(HPUE)_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.45		26.7
100	PI/2 BPSK	1	137		25.38		
100	PI/2 BPSK	1	271		25.32		
100	PI/2 BPSK	135	0		24.90		26.2
100	PI/2 BPSK	135	69		25.40		26.7
100	PI/2 BPSK	135	138		24.89		26.2
100	PI/2 BPSK	270	0		24.85		
100	QPSK	1	1		25.80		26.7
100	QPSK	1	137		25.74		
100	QPSK	1	271		25.69		
100	QPSK	135	0		24.40		25.7
100	QPSK	135	69		25.74		26.7
100	QPSK	135	138		24.43		25.7
100	QPSK	270	0		24.50		
100	16QAM	1	1		24.77		25.7
100	64QAM	1	1		23.28		24.2
100	256QAM	1	1		21.30		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.79	25.65	25.65	26.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.89	25.78	25.65	26.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.68	25.68	25.72	26.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.72	25.73	25.79	26.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.73	25.74	25.77	26.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	25.73	25.75	25.77	26.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	25.72	25.69	25.71	26.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.66	25.73	25.76	26.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	25.72	25.74	25.72	26.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	25.70	25.70	25.65	26.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	25.68	25.65	25.71	26.7

Part27O_n77(HPUE)_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.68	25.56	25.54	26.7
100	PI/2 BPSK	1	137	25.68	25.43	25.47	
100	PI/2 BPSK	1	271	25.57	25.34	25.28	
100	PI/2 BPSK	135	0	25.17	24.99	24.97	26.2
100	PI/2 BPSK	135	69	25.73	25.43	25.49	26.7
100	PI/2 BPSK	135	138	25.18	24.93	24.97	26.2
100	PI/2 BPSK	270	0	25.09	24.93	24.87	
100	QPSK	1	1	26.10	25.90	25.86	26.7
100	QPSK	1	137	25.97	25.79	25.72	
100	QPSK	1	271	26.02	25.77	25.75	
100	QPSK	135	0	24.66	24.52	24.48	25.7
100	QPSK	135	69	25.98	25.85	25.79	26.7
100	QPSK	135	138	24.79	24.48	24.43	25.7
100	QPSK	270	0	24.83	24.56	24.52	
100	16QAM	1	1	25.07	24.82	24.80	25.7
100	64QAM	1	1	23.63	23.39	23.33	24.2
100	256QAM	1	1	21.50	21.31	21.29	22.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	26.01	25.79	25.76	26.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	26.04	25.84	25.76	26.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	25.97	25.80	25.73	26.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	26.09	25.84	25.74	26.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	26.00	25.82	25.73	26.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	26.04	25.84	25.71	26.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	25.97	25.79	25.85	26.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	25.99	25.77	25.79	26.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	26.05	25.86	25.74	26.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	26.00	25.82	25.81	26.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	26.00	25.80	25.76	26.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.23		
100	PI/2 BPSK	1	137		24.14		25.2
100	PI/2 BPSK	1	271		24.10		
100	PI/2 BPSK	135	0		24.20		25.2
100	PI/2 BPSK	135	69		24.21		25.2
100	PI/2 BPSK	135	138		24.22		25.2
100	PI/2 BPSK	270	0		24.16		
100	QPSK	1	1		24.25		
100	QPSK	1	137		24.23		25.2
100	QPSK	1	271		24.17		
100	QPSK	135	0		24.17		25.2
100	QPSK	135	69		24.20		25.2
100	QPSK	135	138		24.13		25.2
100	QPSK	270	0		24.11		
100	16QAM	1	1		24.13		25.2
100	64QAM	1	1		23.89		24.7
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	24.23	24.11	24.12	25.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	24.18	24.13	24.14	25.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	24.11	24.21	24.17	25.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	24.21	24.16	24.19	25.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	24.11	24.22	24.24	25.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	24.19	24.22	24.13	25.2
Channel				631002	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	24.17	24.17	24.21	25.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	24.16	24.24	24.10	25.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	24.22	24.23	24.22	25.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	24.19	24.19	24.10	25.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	24.24	24.23	24.24	25.2

Part27O_n77_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.42	24.21	24.31	
100	PI/2 BPSK	1	137	24.33	24.28	24.33	25.2
100	PI/2 BPSK	1	271	24.46	24.29	24.31	
100	PI/2 BPSK	135	0	24.38	24.25	24.30	25.2
100	PI/2 BPSK	135	69	24.33	24.31	24.29	25.2
100	PI/2 BPSK	135	138	24.35	24.30	24.35	25.2
100	PI/2 BPSK	270	0	24.36	24.24	24.38	
100	QPSK	1	1	24.47	24.36	24.42	
100	QPSK	1	137	24.44	24.25	24.35	25.2
100	QPSK	1	271	24.45	24.24	24.40	
100	QPSK	135	0	24.38	24.28	24.38	25.2
100	QPSK	135	69	24.44	24.30	24.40	25.2
100	QPSK	135	138	24.43	24.25	24.36	25.2
100	QPSK	270	0	24.44	24.28	24.38	
100	16QAM	1	1	24.44	24.34	24.32	25.2
100	64QAM	1	1	24.10	23.89	24.08	24.7
100	256QAM	1	1	22.09	21.91	22.04	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	24.36	24.31	24.30	25.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	24.36	24.33	24.27	25.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	24.40	24.24	24.38	25.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	24.40	24.34	24.33	25.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	24.32	24.35	24.34	25.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	24.32	24.23	24.32	25.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	24.34	24.22	24.32	25.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	24.32	24.29	24.33	25.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	24.32	24.23	24.30	25.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	24.33	24.28	24.33	25.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	24.40	24.23	24.41	25.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.30		
100	PI/2 BPSK	1	137		25.25		26.5
100	PI/2 BPSK	1	271		25.32		
100	PI/2 BPSK	135	0		25.00		26.5
100	PI/2 BPSK	135	69		25.10		26.5
100	PI/2 BPSK	135	138		25.08		26.5
100	PI/2 BPSK	270	0		25.02		
100	QPSK	1	1		25.50		
100	QPSK	1	137		25.42		26.5
100	QPSK	1	271		25.46		
100	QPSK	135	0		24.75		26.2
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.78		26.2
100	QPSK	270	0		24.80		
100	16QAM	1	1		25.20		26.2
100	64QAM	1	1		23.89		24.7
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.48	25.49	25.43	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.43	25.37	25.42	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.38	25.36	25.35	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.35	25.40	25.42	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.43	25.43	25.38	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	25.41	25.39	25.47	26.5
Channel				631002	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	25.41	25.39	25.48	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.36	25.43	25.39	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	25.40	25.36	25.38	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	25.39	25.44	25.43	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	25.36	25.35	25.44	26.5

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.49	25.27	25.34	
100	PI/2 BPSK	1	137	25.44	25.21	25.40	26.5
100	PI/2 BPSK	1	271	25.48	25.28	25.40	
100	PI/2 BPSK	135	0	25.13	25.09	25.07	26.5
100	PI/2 BPSK	135	69	25.24	25.18	25.13	26.5
100	PI/2 BPSK	135	138	25.30	25.14	25.19	26.5
100	PI/2 BPSK	270	0	25.20	25.05	25.09	
100	QPSK	1	1	25.71	25.54	25.65	
100	QPSK	1	137	25.60	25.41	25.58	26.5
100	QPSK	1	271	25.64	25.48	25.50	
100	QPSK	135	0	24.87	24.76	24.72	26.2
100	QPSK	135	69	25.46	25.35	25.39	26.5
100	QPSK	135	138	24.95	24.77	24.90	26.2
100	QPSK	270	0	25.03	24.83	24.97	
100	16QAM	1	1	25.41	25.15	25.32	26.2
100	64QAM	1	1	24.10	23.89	24.08	24.7
100	256QAM	1	1	22.09	21.91	22.04	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	25.63	25.50	25.59	26.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	25.64	25.41	25.59	26.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	25.58	25.46	25.59	26.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	25.59	25.47	25.52	26.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	25.67	25.46	25.59	26.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	25.69	25.41	25.59	26.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	25.64	25.39	25.57	26.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	25.62	25.48	25.57	26.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	25.67	25.42	25.58	26.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	25.58	25.47	25.53	26.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	25.67	25.40	25.54	26.5

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.14		24.2
100	PI/2 BPSK	1	137		23.16		
100	PI/2 BPSK	1	271		23.10		
100	PI/2 BPSK	135	0		23.11		24.2
100	PI/2 BPSK	135	69		23.08		24.2
100	PI/2 BPSK	135	138		23.13		24.2
100	PI/2 BPSK	270	0		23.13		
100	QPSK	1	1		23.18		24.2
100	QPSK	1	137		23.04		
100	QPSK	1	271		23.16		
100	QPSK	135	0		23.11		24.2
100	QPSK	135	69		23.16		24.2
100	QPSK	135	138		23.06		24.2
100	QPSK	270	0		23.07		
100	16QAM	1	1		23.08		24.2
100	64QAM	1	1		22.80		23.7
100	256QAM	1	1		20.78		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.06	23.11	23.03	24.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.10	23.01	23.06	24.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.04	23.10	22.96	24.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.06	23.11	23.04	24.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	23.01	23.13	23.08	24.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.06	23.04	23.00	24.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.12	23.10	23.05	24.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.05	23.08	22.99	24.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.00	23.12	23.08	24.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	23.02	23.04	23.00	24.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.10	23.05	23.05	24.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.21	23.13	23.02	24.2
100	PI/2 BPSK	1	137	23.34	23.24	23.06	
100	PI/2 BPSK	1	271	23.32	23.14	22.96	
100	PI/2 BPSK	135	0	23.22	23.24	23.02	24.2
100	PI/2 BPSK	135	69	23.25	23.11	22.97	24.2
100	PI/2 BPSK	135	138	23.33	23.18	23.06	24.2
100	PI/2 BPSK	270	0	23.22	23.20	23.01	
100	QPSK	1	1	23.35	23.25	23.10	24.2
100	QPSK	1	137	23.32	23.17	23.01	
100	QPSK	1	271	23.30	23.19	22.96	
100	QPSK	135	0	23.27	23.21	22.96	24.2
100	QPSK	135	69	23.32	23.23	23.08	24.2
100	QPSK	135	138	23.28	23.17	22.97	24.2
100	QPSK	270	0	23.34	23.22	22.99	
100	16QAM	1	1	23.26	23.22	23.02	24.2
100	64QAM	1	1	22.99	22.81	22.61	23.7
100	256QAM	1	1	20.87	20.83	20.61	21.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	23.28	23.15	23.01	24.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	23.25	23.14	22.93	24.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	23.17	23.18	22.96	24.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	23.22	23.08	23.05	24.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	23.17	23.20	22.94	24.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	23.26	23.14	22.97	24.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	23.19	23.20	22.93	24.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	23.21	23.18	23.01	24.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	23.30	23.11	22.98	24.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	23.29	23.09	22.96	24.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	23.27	23.08	22.93	24.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.98		26.2
100	PI/2 BPSK	1	137		24.92		
100	PI/2 BPSK	1	271		25.00		
100	PI/2 BPSK	135	0		24.70		25.7
100	PI/2 BPSK	135	69		24.92		26.2
100	PI/2 BPSK	135	138		24.90		25.7
100	PI/2 BPSK	270	0		24.70		
100	QPSK	1	1		25.20		26.2
100	QPSK	1	137		25.18		
100	QPSK	1	271		25.14		
100	QPSK	135	0		23.65		25.2
100	QPSK	135	69		25.12		26.2
100	QPSK	135	138		23.88		25.2
100	QPSK	270	0		23.68		
100	16QAM	1	1		24.35		25.2
100	64QAM	1	1		22.80		23.7
100	256QAM	1	1		20.78		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.18	25.17	25.11	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.07	25.13	25.16	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.09	25.06	25.13	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.16	25.09	25.08	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.05	25.14	25.09	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	25.19	25.07	25.09	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	25.13	25.18	25.06	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.19	25.06	25.06	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	25.11	25.17	25.06	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	25.14	25.19	25.16	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	25.07	25.13	25.05	26.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.06	24.94	24.82	26.2
100	PI/2 BPSK	1	137	25.00	24.95	24.74	
100	PI/2 BPSK	1	271	25.18	25.03	24.78	
100	PI/2 BPSK	135	0	24.79	24.65	24.51	25.7
100	PI/2 BPSK	135	69	25.01	24.97	24.72	26.2
100	PI/2 BPSK	135	138	25.00	24.89	24.77	25.7
100	PI/2 BPSK	270	0	24.79	24.77	24.54	
100	QPSK	1	1	25.38	25.22	25.01	26.2
100	QPSK	1	137	25.30	25.20	24.99	
100	QPSK	1	271	25.21	25.10	24.98	
100	QPSK	135	0	23.73	23.61	23.48	25.2
100	QPSK	135	69	25.25	25.20	24.96	26.2
100	QPSK	135	138	23.82	23.90	23.66	25.2
100	QPSK	270	0	23.87	23.72	23.60	
100	16QAM	1	1	24.48	24.41	24.19	25.2
100	64QAM	1	1	22.99	22.81	22.61	23.7
100	256QAM	1	1	20.87	20.83	20.61	21.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	25.28	25.11	24.86	26.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	25.30	25.11	24.97	26.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	25.34	25.07	24.98	26.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	25.28	25.16	24.92	26.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	25.28	25.15	24.92	26.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	25.25	25.14	24.87	26.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	25.27	25.12	24.89	26.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	25.35	25.18	24.90	26.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	25.31	25.21	24.88	26.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	25.29	25.21	24.89	26.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	25.37	25.14	25.00	26.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.11		25.2
100	PI/2 BPSK	1	137		24.10		
100	PI/2 BPSK	1	271		24.24		
100	PI/2 BPSK	135	0		24.08		25.2
100	PI/2 BPSK	135	69		24.05		25.2
100	PI/2 BPSK	135	138		24.13		25.2
100	PI/2 BPSK	270	0		24.11		
100	QPSK	1	1		24.26		25.2
100	QPSK	1	137		24.05		
100	QPSK	1	271		24.15		
100	QPSK	135	0		24.09		25.2
100	QPSK	135	69		24.12		25.2
100	QPSK	135	138		24.05		25.2
100	QPSK	270	0		24.11		
100	16QAM	1	1		24.03		25.2
100	64QAM	1	1		23.67		24.7
100	256QAM	1	1		21.73		22.7
Channel				633332	633666		Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	24.15	24.21	24.18	25.2
Channel				632668	633332	634002	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	24.16	24.25	24.17	25.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	24.25	24.14	24.11	25.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	24.17	24.18	24.18	25.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	24.13	24.24	24.13	25.2
Channel				631334	633332	633332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	24.15	24.15	24.20	25.2
Channel				631000	633332	635664	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	24.23	24.15	24.11	25.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	24.22	24.11	24.18	25.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	24.21	24.20	24.20	25.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	24.16	24.18	24.17	25.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	24.18	24.18	24.15	25.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.85		25.2
100	PI/2 BPSK	1	137		23.86		
100	PI/2 BPSK	1	271		23.73		
100	PI/2 BPSK	135	0		23.78		25.2
100	PI/2 BPSK	135	69		23.86		25.2
100	PI/2 BPSK	135	138		23.82		25.2
100	PI/2 BPSK	270	0		23.81		
100	QPSK	1	1		23.97		25.2
100	QPSK	1	137		23.86		
100	QPSK	1	271		23.78		
100	QPSK	135	0		23.71		25.2
100	QPSK	135	69		23.85		25.2
100	QPSK	135	138		23.82		25.2
100	QPSK	270	0		23.78		
100	16QAM	1	1		23.88		25.2
100	64QAM	1	1		23.59		24.7
100	256QAM	1	1		21.40		22.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	23.85	23.67	23.73	25.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	23.95	23.65	23.76	25.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	23.95	23.71	23.75	25.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	23.92	23.74	23.69	25.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	23.89	23.79	23.76	25.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	23.84	23.77	23.69	25.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	23.91	23.79	23.70	25.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	23.86	23.72	23.70	25.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	23.83	23.70	23.79	25.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	23.92	23.66	23.72	25.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	23.95	23.71	23.76	25.2

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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)	Ch Delta >0.5
Channel					633332				
Frequency (MHz)					3499.98				
100	PI/2 BPSK	1	1		25.89		27.2	0.0	0.17
100	PI/2 BPSK	1	137		25.72				
100	PI/2 BPSK	1	271		25.79				
100	PI/2 BPSK	135	0		25.32		26.7	0.5	0.00
100	PI/2 BPSK	135	69		25.77		27.2	0.0	0.00
100	PI/2 BPSK	135	138		25.35		26.7	0.5	0.13
100	PI/2 BPSK	270	0		25.22				
100	QPSK	1	1		26.22		27.2	0.0	0.15
100	QPSK	1	137		26.07				
100	QPSK	1	271		26.13				
100	QPSK	135	0		24.56		26.2	1.0	0.00
100	QPSK	135	69		26.15		27.2	0.0	0.00
100	QPSK	135	138		24.63		26.2	1.0	0.05
100	QPSK	270	0		24.69				
100	16QAM	1	1		25.31		26.2	1.0	0.00
100	64QAM	1	1		23.86		24.7	2.5	0.00
100	256QAM	1	1		21.75		22.7	4.5	0.00
Channel				633332	633666		Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	26.18	26.12	26.09	27.2	0.0	0.09
Channel				632668	633332	634002	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	26.13	26.19	26.18	27.2	0.0	0.06
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	26.21	26.10	26.20	27.2	0.0	0.11
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	26.12	26.14	26.21	27.2	0.0	0.09
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	26.09	26.15	26.07	27.2	0.0	0.08
Channel				631334	633332	633332	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	26.17	26.16	26.12	27.2	0.0	0.05
Channel				631000	633332	635664	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	26.07	26.15	26.13	27.2	0.0	0.08
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3462.51	3499.98	3537.48			
25	QPSK	1	1	26.17	26.12	26.16	27.2	0.0	0.05
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	26.17	26.20	26.12	27.2	0.0	0.08
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	26.15	26.11	26.19	27.2	0.0	0.08
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	Ch Delta >0.5
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	26.10	26.20	26.13	27.2	0.0	0.10

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.75		27.2
100	PI/2 BPSK	1	137		25.81		
100	PI/2 BPSK	1	271		25.75		
100	PI/2 BPSK	135	0		25.38		26.7
100	PI/2 BPSK	135	69		25.75		27.2
100	PI/2 BPSK	135	138		25.36		26.7
100	PI/2 BPSK	270	0		25.24		
100	QPSK	1	1		25.95		27.2
100	QPSK	1	137		25.58		
100	QPSK	1	271		25.60		
100	QPSK	135	0		24.77		26.2
100	QPSK	135	69		25.93		27.2
100	QPSK	135	138		24.86		26.2
100	QPSK	270	0		24.85		
100	16QAM	1	1		24.98		26.2
100	64QAM	1	1		23.51		24.7
100	256QAM	1	1		21.44		22.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	25.88	25.87	25.92	27.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	25.82	25.89	25.86	27.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.85	25.94	25.83	27.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	25.88	25.90	25.89	27.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	25.86	25.81	25.91	27.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.81	25.88	25.82	27.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	25.92	25.94	25.87	27.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.85	25.83	25.92	27.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	25.83	25.86	25.88	27.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	25.90	25.94	25.94	27.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.80	25.81	25.93	27.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.70		24.7
100	PI/2 BPSK	1	137		23.72		
100	PI/2 BPSK	1	271		23.66		
100	PI/2 BPSK	135	0		23.57		24.7
100	PI/2 BPSK	135	69		23.73		24.7
100	PI/2 BPSK	135	138		23.64		24.7
100	PI/2 BPSK	270	0		23.81		
100	QPSK	1	1		23.82		24.7
100	QPSK	1	137		23.64		
100	QPSK	1	271		23.65		
100	QPSK	135	0		23.73		24.7
100	QPSK	135	69		23.80		24.7
100	QPSK	135	138		23.72		
100	QPSK	270	0		23.69		24.7
100	16QAM	1	1		23.66		24.2
100	64QAM	1	1		23.25		22.2
100	256QAM	1	1		21.21		Tune-up limit (dBm)
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.81	23.69	23.77	24.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.80	23.75	23.79	24.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.75	23.72	23.70	24.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.71	23.79	23.69	24.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	23.79	23.80	23.71	24.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.68	23.76	23.80	24.7
Channel				631002	633332	635664	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.80	23.74	23.78	24.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.69	23.80	23.70	24.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.74	23.81	23.72	24.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	23.74	23.79	23.67	24.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.81	23.81	23.73	24.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.01		24.7
100	PI/2 BPSK	1	137		23.90		
100	PI/2 BPSK	1	271		23.94		
100	PI/2 BPSK	135	0		23.92		24.7
100	PI/2 BPSK	135	69		23.81		24.7
100	PI/2 BPSK	135	138		23.89		24.7
100	PI/2 BPSK	270	0		23.87		
100	QPSK	1	1		24.03		24.7
100	QPSK	1	137		23.93		
100	QPSK	1	271		23.89		
100	QPSK	135	0		23.82		24.7
100	QPSK	135	69		24.00		24.7
100	QPSK	135	138		23.94		
100	QPSK	270	0		23.89		24.7
100	16QAM	1	1		23.85		24.7
100	64QAM	1	1		23.55		24.2
100	256QAM	1	1		21.41		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	23.98	23.91	23.95	24.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	23.91	24.02	23.91	24.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	23.88	23.97	23.91	24.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	23.94	24.00	23.88	24.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	24.01	23.93	23.96	24.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	23.91	23.93	23.89	24.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	23.95	24.00	23.96	24.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	23.93	24.01	23.89	24.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	23.89	23.96	24.02	24.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	23.88	23.97	23.99	24.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	23.95	23.89	23.89	24.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.34		26.7
100	PI/2 BPSK	1	137		25.32		
100	PI/2 BPSK	1	271		25.28		
100	PI/2 BPSK	135	0		24.75		26.2
100	PI/2 BPSK	135	69		25.34		26.7
100	PI/2 BPSK	135	138		24.78		26.2
100	PI/2 BPSK	270	0		24.77		
100	QPSK	1	1		25.68		26.7
100	QPSK	1	137		25.60		
100	QPSK	1	271		25.57		
100	QPSK	135	0		24.37		25.7
100	QPSK	135	69		25.62		26.7
100	QPSK	135	138		24.33		25.7
100	QPSK	270	0		24.36		
100	16QAM	1	1		24.63		25.7
100	64QAM	1	1		23.20		24.2
100	256QAM	1	1		21.17		22.2
Channel				633000	633332	633668	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.67	25.66	25.56	26.7
Channel				632668	633332	634002	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.58	25.55	25.63	26.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.67	25.53	25.66	26.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.67	25.60	25.53	26.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.61	25.54	25.58	26.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	25.62	25.58	25.60	26.7
Channel				631002	633332	635664	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	25.59	25.66	25.67	26.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.64	25.62	25.63	26.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	25.57	25.63	25.59	26.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	25.53	25.54	25.61	26.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	25.63	25.66	25.55	26.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.53		26.7
100	PI/2 BPSK	1	137		25.67		
100	PI/2 BPSK	1	271		25.54		
100	PI/2 BPSK	135	0		25.04		26.2
100	PI/2 BPSK	135	69		25.70		26.7
100	PI/2 BPSK	135	138		25.15		26.2
100	PI/2 BPSK	270	0		24.97		
100	QPSK	1	1		26.00		26.7
100	QPSK	1	137		25.87		
100	QPSK	1	271		25.94		
100	QPSK	135	0		24.60		25.7
100	QPSK	135	69		25.96		26.7
100	QPSK	135	138		24.64		25.7
100	QPSK	270	0		24.77		
100	16QAM	1	1		25.04		25.7
100	64QAM	1	1		23.49		24.2
100	256QAM	1	1		21.46		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	25.87	25.98	25.95	26.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	25.99	25.86	25.98	26.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.86	25.85	25.93	26.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	25.99	25.97	25.97	26.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	25.95	25.94	25.91	26.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.89	25.91	25.92	26.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	25.95	25.95	25.88	26.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.87	25.94	25.91	26.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	25.98	25.95	25.93	26.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	25.98	25.92	25.89	26.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.93	25.93	25.91	26.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.21		25.2
100	PI/2 BPSK	1	137		24.01		
100	PI/2 BPSK	1	271		24.03		
100	PI/2 BPSK	135	0		24.15		25.2
100	PI/2 BPSK	135	69		24.11		25.2
100	PI/2 BPSK	135	138		24.10		25.2
100	PI/2 BPSK	270	0		24.02		
100	QPSK	1	1		24.23		25.2
100	QPSK	1	137		24.20		
100	QPSK	1	271		24.15		
100	QPSK	135	0		24.13		25.2
100	QPSK	135	69		24.18		25.2
100	QPSK	135	138		24.02		25.2
100	QPSK	270	0		24.10		
100	16QAM	1	1		24.10		25.2
100	64QAM	1	1		23.79		24.7
100	256QAM	1	1		21.79		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	24.14	24.21	24.11	25.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	24.20	24.12	24.13	25.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	24.22	24.17	24.11	25.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	24.19	24.13	24.16	25.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	24.18	24.16	24.18	25.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	24.18	24.22	24.20	25.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	24.12	24.16	24.18	25.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	24.13	24.13	24.17	25.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	24.16	24.09	24.09	25.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	24.09	24.17	24.20	25.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	24.18	24.14	24.11	25.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.40		25.2
100	PI/2 BPSK	1	137		24.25		
100	PI/2 BPSK	1	271		24.35		
100	PI/2 BPSK	135	0		24.28		25.2
100	PI/2 BPSK	135	69		24.22		25.2
100	PI/2 BPSK	135	138		24.30		25.2
100	PI/2 BPSK	270	0		24.29		
100	QPSK	1	1		24.42		25.2
100	QPSK	1	137		24.40		
100	QPSK	1	271		24.41		
100	QPSK	135	0		24.27		25.2
100	QPSK	135	69		24.39		25.2
100	QPSK	135	138		24.30		25.2
100	QPSK	270	0		24.33		
100	16QAM	1	1		24.34		25.2
100	64QAM	1	1		23.97		24.7
100	256QAM	1	1		22.01		22.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	24.31	24.31	24.27	25.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	24.36	24.41	24.27	25.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3730	3750	3765	
70	QPSK	1	1	24.32	24.33	24.35	25.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	24.27	24.27	24.34	25.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	24.30	24.28	24.34	25.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	24.38	24.30	24.33	25.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	24.37	24.35	24.41	25.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	24.36	24.41	24.30	25.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	24.31	24.31	24.37	25.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	24.34	24.33	24.27	25.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	24.41	24.27	24.41	25.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.24		26.5
100	PI/2 BPSK	1	137		25.21		
100	PI/2 BPSK	1	271		25.23		
100	PI/2 BPSK	135	0		24.93		26.5
100	PI/2 BPSK	135	69		24.96		26.5
100	PI/2 BPSK	135	138		24.96		26.5
100	PI/2 BPSK	270	0		24.88		
100	QPSK	1	1		25.44		26.5
100	QPSK	1	137		25.37		
100	QPSK	1	271		25.32		
100	QPSK	135	0		24.70		26.2
100	QPSK	135	69		25.34		26.5
100	QPSK	135	138		24.64		26.2
100	QPSK	270	0		24.72		
100	16QAM	1	1		25.15		26.2
100	64QAM	1	1		23.78		24.7
100	256QAM	1	1		21.84		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.39	25.34	25.33	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.39	25.37	25.35	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.36	25.35	25.41	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.37	25.39	25.37	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.41	25.35	25.43	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3526.98	
40	QPSK	1	1	25.43	25.38	25.34	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	25.37	25.42	25.31	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.33	25.30	25.43	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	25.39	25.32	25.31	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	25.41	25.32	25.42	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	25.42	25.39	25.33	26.5

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.47		26.5
100	PI/2 BPSK	1	137		25.36		
100	PI/2 BPSK	1	271		25.37		
100	PI/2 BPSK	135	0		25.03		26.5
100	PI/2 BPSK	135	69		25.15		26.5
100	PI/2 BPSK	135	138		25.19		26.5
100	PI/2 BPSK	270	0		25.05		
100	QPSK	1	1		25.62		26.5
100	QPSK	1	137		25.59		
100	QPSK	1	271		25.60		
100	QPSK	135	0		24.82		26.2
100	QPSK	135	69		25.35		26.5
100	QPSK	135	138		24.88		26.2
100	QPSK	270	0		24.94		
100	16QAM	1	1		25.29		26.2
100	64QAM	1	1		24.07		24.7
100	256QAM	1	1		22.03		22.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	25.49	25.60	25.56	26.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	25.59	25.55	25.48	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3730	3750	3765	
70	QPSK	1	1	25.48	25.54	25.56	26.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	25.48	25.54	25.48	26.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	25.56	25.50	25.56	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.57	25.56	25.59	26.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	25.53	25.61	25.61	26.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.56	25.48	25.47	26.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	25.50	25.51	25.57	26.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	25.59	25.48	25.49	26.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.58	25.51	25.48	26.5

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.02		24.2
100	PI/2 BPSK	1	137		23.02		
100	PI/2 BPSK	1	271		22.95		
100	PI/2 BPSK	135	0		23.04		24.2
100	PI/2 BPSK	135	69		22.96		24.2
100	PI/2 BPSK	135	138		23.00		24.2
100	PI/2 BPSK	270	0		22.98		
100	QPSK	1	1		23.15		24.2
100	QPSK	1	137		23.01		
100	QPSK	1	271		23.04		
100	QPSK	135	0		23.04		24.2
100	QPSK	135	69		23.13		24.2
100	QPSK	135	138		23.03		24.2
100	QPSK	270	0		22.97		
100	16QAM	1	1		23.07		24.2
100	64QAM	1	1		22.76		23.7
100	256QAM	1	1		20.69		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	23.07	23.05	23.07	24.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	23.04	23.11	23.04	24.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	23.00	23.01	23.03	24.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	23.01	23.01	23.13	24.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	23.01	23.04	23.02	24.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	23.04	23.01	23.13	24.2
Channel				631000	633332	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	23.13	23.14	23.05	24.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	23.10	23.09	23.13	24.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	23.07	23.09	23.12	24.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	23.04	23.00	23.03	24.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	23.01	23.00	23.07	24.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.14		24.2
100	PI/2 BPSK	1	137		23.26		
100	PI/2 BPSK	1	271		23.19		
100	PI/2 BPSK	135	0		23.15		24.2
100	PI/2 BPSK	135	69		23.20		24.2
100	PI/2 BPSK	135	138		23.24		24.2
100	PI/2 BPSK	270	0		23.15		
100	QPSK	1	1		23.30		24.2
100	QPSK	1	137		23.26		
100	QPSK	1	271		23.23		
100	QPSK	135	0		23.23		24.2
100	QPSK	135	69		23.25		24.2
100	QPSK	135	138		23.21		24.2
100	QPSK	270	0		23.22		
100	16QAM	1	1		23.12		24.2
100	64QAM	1	1		22.97		23.7
100	256QAM	1	1		20.84		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	23.16	23.16	23.27	24.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	23.23	23.29	23.20	24.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	23.24	23.23	23.24	24.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	23.17	23.25	23.17	24.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	23.19	23.19	23.21	24.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	23.20	23.23	23.22	24.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	23.21	23.23	23.26	24.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	23.18	23.26	23.29	24.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	23.23	23.22	23.28	24.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	23.19	23.25	23.28	24.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	23.29	23.19	23.28	24.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.93		26.2
100	PI/2 BPSK	1	137		24.78		
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.69		25.7
100	PI/2 BPSK	135	69		24.91		26.2
100	PI/2 BPSK	135	138		24.77		25.7
100	PI/2 BPSK	270	0		24.59		
100	QPSK	1	1		25.13		26.2
100	QPSK	1	137		25.09		
100	QPSK	1	271		25.07		
100	QPSK	135	0		23.63		25.2
100	QPSK	135	69		25.04		26.2
100	QPSK	135	138		23.84		25.2
100	QPSK	270	0		23.53		
100	16QAM	1	1		24.30		25.2
100	64QAM	1	1		22.76		23.7
100	256QAM	1	1		20.77		21.7
Channel				633000	633332	633668	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	25.07	25.01	24.99	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	25.05	24.98	24.98	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	25.09	25.10	25.07	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	25.02	25.04	24.99	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	25.09	25.00	25.07	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	24.99	24.99	24.99	26.2
Channel				631000	633332	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	24.99	24.98	25.07	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	25.02	25.10	25.05	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	24.98	25.03	25.12	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	24.99	25.08	25.03	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	24.99	25.07	25.10	26.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		26.2
100	PI/2 BPSK	1	137		24.92		
100	PI/2 BPSK	1	271		25.03		
100	PI/2 BPSK	135	0		24.71		25.7
100	PI/2 BPSK	135	69		24.93		26.2
100	PI/2 BPSK	135	138		24.88		25.7
100	PI/2 BPSK	270	0		24.68		
100	QPSK	1	1		25.28		26.2
100	QPSK	1	137		25.24		
100	QPSK	1	271		25.19		
100	QPSK	135	0		23.67		25.2
100	QPSK	135	69		25.13		26.2
100	QPSK	135	138		23.73		25.2
100	QPSK	270	0		23.80		
100	16QAM	1	1		24.43		25.2
100	64QAM	1	1		22.89		23.7
100	256QAM	1	1		20.86		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	25.27	25.20	25.14	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	25.13	25.22	25.18	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.19	25.24	25.15	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	25.15	25.14	25.19	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	25.23	25.20	25.18	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.26	25.23	25.16	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	25.15	25.18	25.19	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.17	25.24	25.23	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	25.18	25.24	25.16	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	25.22	25.19	25.26	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.24	25.16	25.23	26.2

Reduced Power Mode for DSI4

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	20.88	21.01	20.99	
40	PI/2 BPSK	1	108	20.97	20.99	20.92	22.4
40	PI/2 BPSK	1	214	20.99	20.98	20.98	
40	PI/2 BPSK	108	0	20.92	20.93	20.99	22.4
40	PI/2 BPSK	108	54	20.95	20.97	20.98	22.4
40	PI/2 BPSK	108	108	20.97	20.93	20.96	22.4
40	PI/2 BPSK	216	0	20.98	21.01	20.86	
40	QPSK	1	1	21.02	21.05	21.00	
40	QPSK	1	108	20.89	20.94	20.90	22.4
40	QPSK	1	214	20.96	21.01	20.95	
40	QPSK	108	0	20.91	20.98	20.91	22.4
40	QPSK	108	54	20.98	21.00	20.95	22.4
40	QPSK	108	108	20.97	20.93	20.88	22.4
40	QPSK	216	0	20.95	20.98	20.87	
40	16QAM	1	1	20.95	20.98	20.98	22.4
40	64QAM	1	1	20.95	21.02	20.90	22.4
40	256QAM	1	1	19.57	19.60	19.58	20.9
Channel				375500	376000	376500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	20.87	20.95	20.85	22.4
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1862	1880	1895	
30	QPSK	1	1	20.82	20.92	20.81	22.4
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	20.93	20.96	20.84	22.4
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	20.83	20.88	20.94	22.4
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	20.90	20.87	20.90	22.4
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	20.81	20.82	20.91	22.4
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	20.89	20.88	20.82	22.4

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	19.31	19.28	19.21	
40	PI/2 BPSK	1	108	19.22	19.39	19.22	21.2
40	PI/2 BPSK	1	214	19.28	19.33	19.25	
40	PI/2 BPSK	108	0	19.31	19.34	19.25	21.2
40	PI/2 BPSK	108	54	19.21	19.26	19.27	21.2
40	PI/2 BPSK	108	108	19.29	19.25	19.27	21.2
40	PI/2 BPSK	216	0	19.28	19.26	19.28	
40	QPSK	1	1	19.32	19.40	19.35	
40	QPSK	1	108	19.28	19.27	19.20	21.2
40	QPSK	1	214	19.29	19.25	19.22	
40	QPSK	108	0	19.29	19.35	19.30	21.2
40	QPSK	108	54	19.30	19.37	19.31	21.2
40	QPSK	108	108	19.27	19.32	19.27	21.2
40	QPSK	216	0	19.25	19.28	19.23	
40	16QAM	1	1	19.24	19.25	19.25	21.2
40	64QAM	1	1	19.23	19.31	19.27	21.2
40	256QAM	1	1	19.13	19.28	19.13	20.7
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	19.21	19.33	19.26	21.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	19.25	19.25	19.34	21.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	19.30	19.25	19.32	21.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	19.21	19.30	19.33	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	19.28	19.29	19.24	21.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.29	19.30	19.25	21.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	19.22	19.32	19.25	21.2

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	20.04	20.11	20.05	
40	PI/2 BPSK	1	108	20.02	20.03	19.95	21.2
40	PI/2 BPSK	1	214	20.04	19.97	20.00	
40	PI/2 BPSK	108	0	19.94	20.01	19.97	21.2
40	PI/2 BPSK	108	54	19.96	20.09	20.03	21.2
40	PI/2 BPSK	108	108	19.91	19.99	20.01	21.2
40	PI/2 BPSK	216	0	19.98	20.04	20.07	
40	QPSK	1	1	20.05	20.12	20.08	
40	QPSK	1	108	20.04	20.00	19.94	21.2
40	QPSK	1	214	19.98	20.00	19.99	
40	QPSK	108	0	19.96	20.08	19.93	21.2
40	QPSK	108	54	20.03	20.10	20.05	21.2
40	QPSK	108	108	19.98	20.07	20.03	21.2
40	QPSK	216	0	19.93	20.10	20.00	
40	16QAM	1	1	19.92	20.05	20.02	21.2
40	64QAM	1	1	20.03	20.10	20.02	21.2
40	256QAM	1	1	18.96	18.99	18.87	20.2
Channel				375500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	19.89	20.07	20.00	21.2
Channel				375000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	19.94	20.00	20.03	21.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	19.90	19.95	19.92	21.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	19.94	20.04	20.02	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	19.96	20.05	20.01	21.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.93	19.98	20.02	21.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	19.94	20.04	19.92	21.2

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	20.67	20.74	20.69	
40	PI/2 BPSK	1	108	20.73	20.73	20.67	22.2
40	PI/2 BPSK	1	214	20.71	20.82	20.67	
40	PI/2 BPSK	108	0	20.70	20.84	20.78	22.2
40	PI/2 BPSK	108	54	20.75	20.78	20.65	22.2
40	PI/2 BPSK	108	108	20.67	20.85	20.77	22.2
40	PI/2 BPSK	216	0	20.69	20.78	20.76	
40	QPSK	1	1	20.78	20.88	20.69	
40	QPSK	1	108	20.66	20.82	20.71	22.2
40	QPSK	1	214	20.63	20.81	20.78	
40	QPSK	108	0	20.72	20.79	20.66	22.2
40	QPSK	108	54	20.75	20.81	20.78	22.2
40	QPSK	108	108	20.74	20.73	20.76	22.2
40	QPSK	216	0	20.65	20.73	20.71	
40	16QAM	1	1	20.64	20.75	20.65	22.2
40	64QAM	1	1	20.77	20.84	20.70	22.2
40	256QAM	1	1	19.29	19.40	19.24	20.7
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	20.68	20.76	20.77	22.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	20.74	20.78	20.72	22.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	20.61	20.75	20.63	22.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	20.61	20.72	20.69	22.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	20.65	20.77	20.65	22.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	20.63	20.71	20.69	22.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	20.70	20.73	20.74	22.2

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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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.40	23.43	23.37	24.9
20	PI/2 BPSK	1	53	23.34	23.30	23.36	
20	PI/2 BPSK	1	104	23.37	23.32	23.25	
20	PI/2 BPSK	50	0	22.90	23.05	23.04	24.9
20	PI/2 BPSK	50	28	23.30	23.29	23.33	24.9
20	PI/2 BPSK	50	56	22.95	22.91	22.98	24.9
20	PI/2 BPSK	100	0	23.02	23.04	23.03	
20	QPSK	1	1	23.41	23.44	23.38	24.9
20	QPSK	1	53	23.37	23.31	23.26	
20	QPSK	1	104	23.33	23.37	23.36	
20	QPSK	50	0	22.98	23.00	22.88	24.4
20	QPSK	50	28	23.33	23.35	23.31	24.9
20	QPSK	50	56	22.81	22.95	22.92	24.4
20	QPSK	100	0	23.02	23.06	22.94	
20	16QAM	1	1	22.68	23.00	22.87	24.4
20	64QAM	1	1	21.35	21.42	21.34	22.9
20	256QAM	1	1	19.35	19.50	19.43	20.9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.26	23.33	23.32	24.9
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.33	23.40	23.26	24.9
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.26	23.42	23.25	24.9

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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	22.25	22.34	22.29	23.7
20	PI/2 BPSK	1	53	22.32	22.32	22.32	
20	PI/2 BPSK	1	104	22.21	22.39	22.33	
20	PI/2 BPSK	50	0	22.27	22.37	22.28	23.7
20	PI/2 BPSK	50	28	22.26	22.43	22.33	23.7
20	PI/2 BPSK	50	56	22.27	22.39	22.33	23.7
20	PI/2 BPSK	100	0	22.18	22.43	22.32	
20	QPSK	1	1	22.33	22.44	22.38	23.7
20	QPSK	1	53	22.26	22.33	22.28	
20	QPSK	1	104	22.24	22.34	22.30	
20	QPSK	50	0	22.23	22.31	22.31	23.7
20	QPSK	50	28	22.27	22.40	22.34	23.7
20	QPSK	50	56	22.19	22.34	22.28	23.7
20	QPSK	100	0	22.25	22.39	22.30	
20	16QAM	1	1	22.30	22.36	22.28	23.7
20	64QAM	1	1	21.25	21.29	21.29	22.7
20	256QAM	1	1	19.26	19.42	19.38	20.7
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	22.25	22.43	22.37	23.7
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	22.23	22.34	22.25	23.7
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	22.27	22.33	22.32	23.7

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2535	2535	2545	
50	PI/2 BPSK	1	1	21.22	21.33	21.24	22.2
50	PI/2 BPSK	1	135	21.29	21.25	21.23	
50	PI/2 BPSK	1	268	21.28	21.26	21.20	
50	PI/2 BPSK	135	0	21.32	21.37	21.28	22.2
50	PI/2 BPSK	135	68	21.21	21.29	21.22	22.2
50	PI/2 BPSK	135	135	21.29	21.29	21.29	22.2
50	PI/2 BPSK	270	0	21.21	21.36	21.23	
50	QPSK	1	1	21.35	21.40	21.32	22.2
50	QPSK	1	135	21.26	21.33	21.26	
50	QPSK	1	268	21.33	21.29	21.30	
50	QPSK	135	0	21.20	21.33	21.27	22.2
50	QPSK	135	68	21.27	21.35	21.29	22.2
50	QPSK	135	135	21.21	21.30	21.20	
50	QPSK	270	0	21.24	21.32	21.26	22.2
50	16QAM	1	1	21.30	21.26	21.27	22.2
50	64QAM	1	1	21.03	21.15	21.14	22.2
50	256QAM	1	1	19.12	19.17	19.14	20.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	21.22	21.36	21.18	22.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	21.30	21.33	21.21	22.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	21.33	21.36	21.24	22.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	21.27	21.36	21.25	22.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	21.34	21.36	21.27	22.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	21.26	21.39	21.31	22.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	21.31	21.34	21.26	22.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	21.33	21.31	21.23	22.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2535	2535	2545	
50	PI/2 BPSK	1	1	19.72	19.83	19.63	21.2
50	PI/2 BPSK	1	135	19.67	19.82	19.74	
50	PI/2 BPSK	1	268	19.70	19.80	19.77	
50	PI/2 BPSK	135	0	19.79	19.83	19.77	21.2
50	PI/2 BPSK	135	68	19.76	19.82	19.63	21.2
50	PI/2 BPSK	135	135	19.68	19.74	19.64	21.2
50	PI/2 BPSK	270	0	19.78	19.80	19.72	
50	QPSK	1	1	19.82	19.85	19.78	21.2
50	QPSK	1	135	19.67	19.72	19.70	
50	QPSK	1	268	19.77	19.84	19.76	
50	QPSK	135	0	19.70	19.74	19.70	21.2
50	QPSK	135	68	19.79	19.80	19.75	21.2
50	QPSK	135	135	19.75	19.75	19.68	21.2
50	QPSK	270	0	19.74	19.78	19.72	
50	16QAM	1	1	19.70	19.70	19.75	21.2
50	64QAM	1	1	19.59	19.70	19.61	21.2
50	256QAM	1	1	18.68	18.18	18.06	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	19.71	19.70	19.61	21.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	19.68	19.68	19.74	21.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	19.62	19.56	19.72	21.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	19.71	19.67	19.63	21.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	19.66	19.70	19.69	21.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	19.61	19.59	19.74	21.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	19.75	19.69	19.67	21.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	19.66	19.61	19.71	21.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	19.04	19.25	19.12	19.7
50	PI/2 BPSK	1	135	19.11	19.24	19.08	
50	PI/2 BPSK	1	268	19.06	19.17	19.19	
50	PI/2 BPSK	135	0	19.08	19.23	19.13	19.7
50	PI/2 BPSK	135	68	19.12	19.17	19.20	19.7
50	PI/2 BPSK	135	135	19.03	19.15	19.14	19.7
50	PI/2 BPSK	270	0	19.17	19.21	19.19	
50	QPSK	1	1	19.19	19.27	19.22	19.7
50	QPSK	1	135	19.03	19.22	19.14	
50	QPSK	1	268	19.03	19.25	19.20	
50	QPSK	135	0	19.13	19.14	19.18	19.7
50	QPSK	135	68	19.16	19.23	19.20	19.7
50	QPSK	135	135	19.11	19.16	19.15	19.7
50	QPSK	270	0	19.10	19.21	19.18	
50	16QAM	1	1	19.07	19.22	19.07	19.7
50	64QAM	1	1	19.17	19.19	19.07	19.7
50	256QAM	1	1	19.01	19.15	19.09	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	19.13	19.21	19.09	19.7
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	19.13	19.17	19.20	19.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	19.05	19.25	19.12	19.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	19.09	19.16	19.09	19.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	19.08	19.21	19.16	19.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	19.03	19.17	19.16	19.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	19.03	19.24	19.09	19.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	19.07	19.22	19.21	19.7

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.71	21.85	21.73	22.7
50	PI/2 BPSK	1	135	21.79	21.86	21.71	
50	PI/2 BPSK	1	268	21.73	21.71	21.59	
50	PI/2 BPSK	135	0	21.69	21.91	21.73	22.7
50	PI/2 BPSK	135	68	21.82	21.79	21.74	22.7
50	PI/2 BPSK	135	135	21.83	21.83	21.66	22.7
50	PI/2 BPSK	270	0	21.74	21.83	21.58	
50	QPSK	1	1	21.90	21.95	21.88	22.7
50	QPSK	1	135	21.68	21.87	21.64	
50	QPSK	1	268	21.74	21.84	21.78	
50	QPSK	135	0	21.78	21.82	21.59	22.7
50	QPSK	135	68	21.88	21.90	21.70	22.7
50	QPSK	135	135	21.83	21.88	21.66	22.7
50	QPSK	270	0	21.74	21.84	21.67	
50	16QAM	1	1	21.71	21.83	21.72	22.7
50	64QAM	1	1	20.83	20.94	20.84	21.7
50	256QAM	1	1	18.74	18.94	18.86	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	21.78	21.91	21.86	22.7
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	21.79	21.93	21.85	22.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	21.76	21.85	21.84	22.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	21.75	21.84	21.84	22.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	21.83	21.88	21.76	22.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	21.75	21.88	21.81	22.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	21.88	21.93	21.84	22.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	21.83	21.90	21.81	22.7

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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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.48	23.61	23.54	25.4
15	PI/2 BPSK	1	40	23.53	23.65	23.54	
15	PI/2 BPSK	1	77	23.60	23.66	23.54	
15	PI/2 BPSK	36	0	23.04	23.05	23.04	24.9
15	PI/2 BPSK	36	22	23.59	23.62	23.59	25.4
15	PI/2 BPSK	36	43	22.95	23.10	23.00	24.9
15	PI/2 BPSK	75	0	22.95	23.02	22.97	
15	QPSK	1	1	23.65	23.70	23.67	25.4
15	QPSK	1	40	23.49	23.57	23.44	
15	QPSK	1	77	23.56	23.60	23.57	
15	QPSK	36	0	22.59	22.63	22.59	24.4
15	QPSK	36	22	22.64	22.65	22.60	25.4
15	QPSK	36	43	22.63	22.68	22.57	24.4
15	QPSK	75	0	22.53	22.57	22.52	
15	16QAM	1	1	22.63	22.68	22.64	24.4
15	64QAM	1	1	21.04	21.15	21.11	22.9
15	256QAM	1	1	19.14	19.22	19.18	20.9
Channel				140600	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.58	23.56	23.63	25.4
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				703.5	707.5	713.5	
5	QPSK	1	1	23.50	23.69	23.61	25.4

n12_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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.20	23.42	23.38	25.2
15	PI/2 BPSK	1	40	23.29	23.47	23.36	
15	PI/2 BPSK	1	77	23.34	23.42	23.28	
15	PI/2 BPSK	36	0	22.78	22.84	22.81	24.7
15	PI/2 BPSK	36	22	23.39	23.44	23.38	25.2
15	PI/2 BPSK	36	43	22.78	22.89	22.82	24.7
15	PI/2 BPSK	75	0	22.74	22.84	22.71	
15	QPSK	1	1	23.40	23.53	23.44	25.2
15	QPSK	1	40	23.25	23.28	23.33	
15	QPSK	1	77	23.28	23.30	23.32	
15	QPSK	36	0	22.33	22.47	22.37	24.2
15	QPSK	36	22	23.38	23.41	23.40	25.2
15	QPSK	36	43	22.36	22.38	22.33	24.2
15	QPSK	75	0	22.25	22.38	22.27	
15	16QAM	1	1	22.42	22.41	22.43	24.2
15	64QAM	1	1	20.85	20.86	20.90	22.7
15	256QAM	1	1	18.86	19.01	18.98	20.7
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.34	23.45	23.30	25.2
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	23.34	23.50	23.42	25.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.98	21.87	21.98	
40	PI/2 BPSK	1	108	21.97	21.97	22.09	23.4
40	PI/2 BPSK	1	214	22.00	21.88	21.98	
40	PI/2 BPSK	108	0	21.95	21.91	22.06	23.4
40	PI/2 BPSK	108	54	21.92	21.88	22.01	23.4
40	PI/2 BPSK	108	108	22.01	21.96	22.04	23.4
40	PI/2 BPSK	216	0	21.93	21.95	21.97	
40	QPSK	1	1	22.06	22.02	22.10	
40	QPSK	1	108	22.05	21.94	21.99	23.4
40	QPSK	1	214	21.92	21.94	22.07	
40	QPSK	108	0	21.95	21.92	22.00	23.4
40	QPSK	108	54	22.04	21.99	22.08	23.4
40	QPSK	108	108	22.02	21.89	22.07	23.4
40	QPSK	216	0	21.94	21.92	22.00	
40	16QAM	1	1	21.99	22.01	21.98	23.4
40	64QAM	1	1	21.11	21.46	21.56	22.9
40	256QAM	1	1	19.23	19.55	19.66	20.9
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	21.82	21.79	21.96	23.4
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	21.80	21.87	21.95	23.4
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	21.90	21.78	21.95	23.4
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	21.90	21.83	22.02	23.4
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	21.92	21.88	21.98	23.4
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	21.86	21.90	21.95	23.4
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	21.93	21.86	21.97	23.4

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.38	19.33	19.33	
40	PI/2 BPSK	1	108	19.38	19.32	19.36	21.2
40	PI/2 BPSK	1	214	19.32	19.28	19.45	
40	PI/2 BPSK	108	0	19.37	19.28	19.36	21.2
40	PI/2 BPSK	108	54	19.39	19.33	19.33	21.2
40	PI/2 BPSK	108	108	19.39	19.32	19.35	21.2
40	PI/2 BPSK	216	0	19.41	19.30	19.43	
40	QPSK	1	1	19.44	19.41	19.46	
40	QPSK	1	108	19.37	19.37	19.42	21.2
40	QPSK	1	214	19.42	19.26	19.42	
40	QPSK	108	0	19.33	19.37	19.43	21.2
40	QPSK	108	54	19.40	19.39	19.44	21.2
40	QPSK	108	108	19.35	19.27	19.40	21.2
40	QPSK	216	0	19.41	19.39	19.42	
40	16QAM	1	1	19.38	19.28	19.40	21.2
40	64QAM	1	1	19.39	19.38	19.41	21.2
40	256QAM	1	1	19.22	19.07	19.23	20.7
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	19.35	19.30	19.29	21.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	19.32	19.33	19.22	21.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	19.39	19.34	19.36	21.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	19.41	19.30	19.24	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	19.38	19.36	19.24	21.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	19.39	19.34	19.23	21.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	19.29	19.22	19.31	21.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.03	22.04	22.05	
40	PI/2 BPSK	1	108	22.04	21.91	22.11	22.9
40	PI/2 BPSK	1	214	22.01	22.02	22.02	
40	PI/2 BPSK	108	0	22.05	22.02	22.10	22.9
40	PI/2 BPSK	108	54	22.07	21.96	22.06	22.9
40	PI/2 BPSK	108	108	21.96	21.97	22.10	22.9
40	PI/2 BPSK	216	0	21.97	22.04	22.08	
40	QPSK	1	1	22.08	22.05	22.12	
40	QPSK	1	108	21.98	22.01	22.03	22.9
40	QPSK	1	214	21.94	21.93	21.97	
40	QPSK	108	0	21.94	21.98	22.04	22.9
40	QPSK	108	54	22.07	22.00	22.09	22.9
40	QPSK	108	108	21.99	21.98	21.99	22.9
40	QPSK	216	0	22.07	21.95	22.08	
40	16QAM	1	1	21.97	22.02	22.01	22.9
40	64QAM	1	1	20.99	20.88	21.20	21.9
40	256QAM	1	1	19.17	19.10	19.40	19.9
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	21.95	21.96	21.96	22.9
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	21.91	21.95	21.93	22.9
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	21.98	21.94	21.87	22.9
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	21.87	21.91	21.97	22.9
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	22.01	21.94	21.95	22.9
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	21.98	21.94	21.91	22.9
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	21.93	21.84	21.94	22.9

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.60	21.62	21.62	
40	PI/2 BPSK	1	108	21.70	21.69	21.78	23.2
40	PI/2 BPSK	1	214	21.71	21.62	21.81	
40	PI/2 BPSK	108	0	21.70	21.74	21.74	23.2
40	PI/2 BPSK	108	54	21.73	21.75	21.71	23.2
40	PI/2 BPSK	108	108	21.64	21.65	21.68	23.2
40	PI/2 BPSK	216	0	21.74	21.64	21.81	
40	QPSK	1	1	21.79	21.77	21.83	
40	QPSK	1	108	21.65	21.74	21.77	23.2
40	QPSK	1	214	21.71	21.75	21.73	
40	QPSK	108	0	21.75	21.64	21.80	23.2
40	QPSK	108	54	21.77	21.79	21.81	23.2
40	QPSK	108	108	21.74	21.71	21.76	23.2
40	QPSK	216	0	21.65	21.70	21.77	
40	16QAM	1	1	21.77	21.76	21.79	23.2
40	64QAM	1	1	21.13	21.20	21.38	22.7
40	256QAM	1	1	19.30	19.23	19.51	20.7
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	21.73	21.69	21.68	23.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	21.78	21.67	21.76	23.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	21.77	21.68	21.73	23.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	21.76	21.72	21.76	23.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	21.72	21.67	21.82	23.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	21.65	21.64	21.73	23.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	21.71	21.71	21.69	23.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.31		
10	PI/2 BPSK	1	26		20.27		22.2
10	PI/2 BPSK	1	50		20.31		
10	PI/2 BPSK	25	0		20.32		22.2
10	PI/2 BPSK	25	14		20.32		22.2
10	PI/2 BPSK	25	27		20.26		22.2
10	PI/2 BPSK	50	0		20.32		
10	QPSK	1	1		20.38		
10	QPSK	1	26		20.25		22.2
10	QPSK	1	50		20.25		
10	QPSK	25	0		20.30		22.2
10	QPSK	25	14		20.36		22.2
10	QPSK	25	27		20.32		22.2
10	QPSK	50	0		20.26		
10	16QAM	1	1		20.24		22.2
10	64QAM	1	1		20.35		22.2
10	256QAM	1	1		19.15		20.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	20.31	20.37	20.27	22.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.81		
10	PI/2 BPSK	1	26		20.71		22.2
10	PI/2 BPSK	1	50		20.80		
10	PI/2 BPSK	25	0		20.70		22.2
10	PI/2 BPSK	25	14		20.75		22.2
10	PI/2 BPSK	25	27		20.78		22.2
10	PI/2 BPSK	50	0		20.75		
10	QPSK	1	1		20.88		
10	QPSK	1	26		20.78		22.2
10	QPSK	1	50		20.65		
10	QPSK	25	0		20.75		22.2
10	QPSK	25	14		20.82		22.2
10	QPSK	25	27		20.68		22.2
10	QPSK	50	0		20.78		
10	16QAM	1	1		20.77		22.2
10	64QAM	1	1		20.60		21.7
10	256QAM	1	1		18.75		19.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	20.74	20.79	20.76	22.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.37	21.51	21.44	
45	PI/2 BPSK	1	120	21.40	21.54	21.40	22.9
45	PI/2 BPSK	1	240	21.40	21.53	21.42	
45	PI/2 BPSK	120	0	21.41	21.45	21.42	22.9
45	PI/2 BPSK	120	60	21.44	21.46	21.47	22.9
45	PI/2 BPSK	120	120	21.40	21.49	21.51	22.9
45	PI/2 BPSK	240	0	21.43	21.45	21.47	
45	QPSK	1	1	21.52	21.60	21.55	
45	QPSK	1	120	21.42	21.56	21.51	22.9
45	QPSK	1	240	21.45	21.55	21.46	
45	QPSK	120	0	21.39	21.50	21.42	22.9
45	QPSK	120	60	21.47	21.56	21.43	22.9
45	QPSK	120	120	21.41	21.48	21.41	22.9
45	QPSK	240	0	21.45	21.51	21.40	
45	16QAM	1	1	21.40	21.52	21.46	22.9
45	64QAM	1	1	21.51	21.58	21.51	22.9
45	256QAM	1	1	19.45	19.55	19.47	20.9
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	21.43	21.53	21.46	22.9
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.51	21.49	21.48	22.9
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.50	21.53	21.49	22.9
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.51	21.51	21.52	22.9
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.44	21.46	21.48	22.9
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.40	21.54	21.45	22.9
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.47	21.47	21.44	22.9
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.49	21.57	21.49	22.9

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.03	22.19	22.03	
45	PI/2 BPSK	1	120	22.00	22.15	22.05	23.2
45	PI/2 BPSK	1	240	22.07	22.14	21.97	
45	PI/2 BPSK	120	0	21.65	21.68	21.69	23.2
45	PI/2 BPSK	120	60	22.01	22.08	21.97	23.2
45	PI/2 BPSK	120	120	21.72	21.68	21.61	23.2
45	PI/2 BPSK	240	0	21.69	21.69	21.68	
45	QPSK	1	1	22.15	22.22	22.10	
45	QPSK	1	120	22.12	22.13	21.96	23.2
45	QPSK	1	240	22.10	22.10	22.08	
45	QPSK	120	0	22.04	22.11	21.98	23.2
45	QPSK	120	60	22.14	22.18	22.09	23.2
45	QPSK	120	120	22.13	22.15	21.97	23.2
45	QPSK	240	0	22.13	22.17	22.06	
45	16QAM	1	1	22.11	22.21	22.03	23.2
45	64QAM	1	1	21.44	21.54	21.63	22.7
45	256QAM	1	1	19.52	19.62	19.55	20.7
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	22.06	22.18	21.96	23.2
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.03	22.17	21.99	23.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.03	22.12	22.04	23.2
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.07	22.13	21.99	23.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.06	22.09	22.06	23.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.14	22.15	21.97	23.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.04	22.07	22.05	23.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.14	22.17	22.01	23.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	19.41	19.34	19.34	
45	PI/2 BPSK	1	120	19.38	19.35	19.25	20.7
45	PI/2 BPSK	1	240	19.34	19.36	19.32	
45	PI/2 BPSK	120	0	19.29	19.44	19.26	20.7
45	PI/2 BPSK	120	60	19.32	19.42	19.28	20.7
45	PI/2 BPSK	120	120	19.42	19.46	19.29	20.7
45	PI/2 BPSK	240	0	19.32	19.45	19.36	
45	QPSK	1	1	19.44	19.47	19.38	
45	QPSK	1	120	19.34	19.37	19.35	20.7
45	QPSK	1	240	19.35	19.40	19.23	
45	QPSK	120	0	19.29	19.38	19.29	20.7
45	QPSK	120	60	19.38	19.44	19.35	20.7
45	QPSK	120	120	19.34	19.42	19.31	20.7
45	QPSK	240	0	19.41	19.42	19.26	
45	16QAM	1	1	19.41	19.33	19.24	20.7
45	64QAM	1	1	19.38	19.37	19.29	20.7
45	256QAM	1	1	19.38	19.42	19.30	20.7
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	19.25	19.30	19.33	20.7
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	19.34	19.31	19.24	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.24	19.39	19.32	20.7
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	19.30	19.29	19.34	20.7
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.32	19.35	19.25	20.7
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	19.32	19.30	19.27	20.7
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.29	19.36	19.22	20.7
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	19.25	19.27	19.21	20.7

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.29	22.32	22.17	
45	PI/2 BPSK	1	120	22.19	22.26	22.24	23.4
45	PI/2 BPSK	1	240	22.17	22.20	22.20	
45	PI/2 BPSK	120	0	21.72	21.80	21.79	23.4
45	PI/2 BPSK	120	60	22.29	22.20	22.19	23.4
45	PI/2 BPSK	120	120	21.67	21.77	21.70	23.4
45	PI/2 BPSK	240	0	21.81	21.84	21.77	
45	QPSK	1	1	22.31	22.35	22.28	
45	QPSK	1	120	22.19	22.22	22.24	23.4
45	QPSK	1	240	22.20	22.21	22.20	
45	QPSK	120	0	22.22	22.25	22.22	23.4
45	QPSK	120	60	22.30	22.34	22.28	23.4
45	QPSK	120	120	22.23	22.31	22.20	23.4
45	QPSK	240	0	22.21	22.33	22.23	
45	16QAM	1	1	22.24	22.29	22.16	23.4
45	64QAM	1	1	21.50	21.64	21.60	22.9
45	256QAM	1	1	19.51	19.64	19.64	20.9
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	22.16	22.24	22.17	23.4
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.28	22.28	22.20	23.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.20	22.25	22.26	23.4
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.16	22.24	22.22	23.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.20	22.23	22.24	23.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.25	22.21	22.22	23.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.24	22.31	22.19	23.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.30	22.30	22.24	23.4

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.98		
35	PI/2 BPSK	1	90		21.95		25.2
35	PI/2 BPSK	1	186		21.88		
35	PI/2 BPSK	90	0		21.91		24.7
35	PI/2 BPSK	90	45		21.98		25.2
35	PI/2 BPSK	90	90		21.81		24.7
35	PI/2 BPSK	180	0		21.92		
35	QPSK	1	1		23.57		
35	QPSK	1	90		23.51		25.2
35	QPSK	1	186		23.32		
35	QPSK	90	0		22.46		24.2
35	QPSK	90	45		23.41		25.2
35	QPSK	90	90		22.35		24.2
35	QPSK	180	0		22.39		
35	16QAM	1	1		22.31		24.2
35	64QAM	1	1		20.76		22.7
35	256QAM	1	1		18.92		20.7
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	23.37	23.45	23.41	25.2
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	23.23	23.39	23.33	25.2
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	23.33	23.36	23.23	25.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.32	23.36	23.36	25.2
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	23.21	23.33	23.30	25.2
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.24	23.39	23.31	25.2

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.33		
35	PI/2 BPSK	1	90		21.42		24.4
35	PI/2 BPSK	1	186		21.27		
35	PI/2 BPSK	90	0		21.39		23.9
35	PI/2 BPSK	90	45		21.33		24.4
35	PI/2 BPSK	90	90		21.29		23.9
35	PI/2 BPSK	180	0		21.28		
35	QPSK	1	1		22.89		
35	QPSK	1	90		22.87		24.4
35	QPSK	1	186		22.78		
35	QPSK	90	0		21.86		23.4
35	QPSK	90	45		22.87		24.4
35	QPSK	90	90		21.79		23.4
35	QPSK	180	0		21.71		
35	16QAM	1	1		21.52		23.4
35	64QAM	1	1		19.87		21.9
35	256QAM	1	1		17.91		19.9
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	22.78	22.82	22.76	24.4
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	22.74	22.77	22.70	24.4
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	22.76	22.69	22.67	24.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	22.72	22.77	22.66	24.4
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	22.75	22.75	22.64	24.4
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	22.72	22.79	22.62	24.4

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	Pi/2 BPSK	1	1	19.59	19.63	19.58	20.9
40	Pi/2 BPSK	1	53	19.44	19.46	19.43	
40	Pi/2 BPSK	1	104	19.33	19.37	19.34	
40	Pi/2 BPSK	50	0	19.56	19.57	19.53	20.9
40	Pi/2 BPSK	50	28	19.42	19.47	19.41	20.9
40	Pi/2 BPSK	50	56	19.39	19.42	19.39	
40	Pi/2 BPSK	100	0	19.48	19.53	19.51	20.9
40	QPSK	1	1	19.75	19.78	19.75	
40	QPSK	1	53	19.47	19.48	19.42	20.9
40	QPSK	1	104	19.41	19.47	19.40	
40	QPSK	50	0	19.65	19.69	19.64	20.9
40	QPSK	50	28	19.68	19.71	19.66	20.9
40	QPSK	50	56	19.55	19.56	19.51	20.9
40	QPSK	100	0	19.66	19.68	19.64	
40	16QAM	1	1	19.52	19.54	19.51	20.9
40	64QAM	1	1	19.53	19.58	19.54	20.9
40	256QAM	1	1	19.46	19.48	19.42	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	19.65	19.68	19.63	20.9
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	19.63	19.69	19.66	20.9
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	19.63	19.70	19.65	20.9
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	19.66	19.64	19.62	20.9
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	19.67	19.73	19.64	20.9

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	Pi/2 BPSK	1	1	18.92	18.96	18.88	20.2
40	Pi/2 BPSK	1	53	18.63	18.65	18.58	
40	Pi/2 BPSK	1	104	18.75	18.81	18.71	
40	Pi/2 BPSK	50	0	18.75	18.77	18.67	20.2
40	Pi/2 BPSK	50	28	18.75	18.78	18.73	20.2
40	Pi/2 BPSK	50	56	18.54	18.60	18.54	
40	Pi/2 BPSK	100	0	18.84	18.85	18.77	20.2
40	QPSK	1	1	19.07	18.99	18.91	
40	QPSK	1	53	18.80	18.83	18.74	20.2
40	QPSK	1	104	18.81	18.86	18.78	
40	QPSK	50	0	18.74	18.79	18.70	20.2
40	QPSK	50	28	18.97	18.90	18.85	20.2
40	QPSK	50	56	18.72	18.73	18.66	20.2
40	QPSK	100	0	18.79	18.85	18.77	
40	16QAM	1	1	18.72	18.77	18.67	20.2
40	64QAM	1	1	18.74	18.80	18.75	20.2
40	256QAM	1	1	18.92	18.90	18.85	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	18.88	18.85	18.79	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
25	QPSK	1	1	18.83	18.91	18.79	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
20	QPSK	1	1	18.87	18.91	18.81	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
15	QPSK	1	1	18.92	18.88	18.83	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
10	QPSK	1	1	18.85	18.94	18.77	20.2

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	Pi/2 BPSK	1	1	18.96	18.98	18.94	19.7
40	Pi/2 BPSK	1	53	18.68	18.72	18.68	
40	Pi/2 BPSK	1	104	18.59	18.61	18.57	
40	Pi/2 BPSK	50	0	18.89	18.90	18.86	19.7
40	Pi/2 BPSK	50	28	18.82	18.81	18.80	19.7
40	Pi/2 BPSK	50	56	18.61	18.61	18.57	
40	Pi/2 BPSK	100	0	18.83	18.86	18.84	19.7
40	QPSK	1	1	18.97	19.01	18.96	
40	QPSK	1	53	18.73	18.77	18.74	19.7
40	QPSK	1	104	18.71	18.71	18.65	
40	QPSK	50	0	18.83	18.83	18.79	19.7
40	QPSK	50	28	18.86	18.89	18.85	19.7
40	QPSK	50	56	18.65	18.69	18.67	19.7
40	QPSK	100	0	18.79	18.80	18.78	
40	16QAM	1	1	18.81	18.84	18.79	19.7
40	64QAM	1	1	18.84	18.83	18.80	19.7
40	256QAM	1	1	18.92	18.90	18.81	19.7
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	18.91	18.92	18.90	19.7
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	18.84	18.88	18.90	19.7
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	18.86	18.91	18.83	19.7
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	18.87	18.94	18.81	19.7
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	18.85	18.91	18.89	19.7

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	Pi/2 BPSK	1	1	21.53	21.57	21.52	22.4
40	Pi/2 BPSK	1	53	21.32	21.36	21.28	
40	Pi/2 BPSK	1	104	21.24	21.31	21.23	
40	Pi/2 BPSK	50	0	21.34	21.38	21.30	22.4
40	Pi/2 BPSK	50	28	21.43	21.45	21.42	22.4
40	Pi/2 BPSK	50	56	21.19	21.22	21.16	
40	Pi/2 BPSK	100	0	21.40	21.46	21.41	22.4
40	QPSK	1	1	21.58	21.63	21.60	
40	QPSK	1	53	21.35	21.41	21.37	22.4
40	QPSK	1	104	21.28	21.33	21.28	
40	QPSK	50	0	21.39	21.45	21.37	22.4
40	QPSK	50	28	21.44	21.51	21.47	22.4
40	QPSK	50	56	21.28	21.35	21.29	22.4
40	QPSK	100	0	21.36	21.42	21.36	
40	16QAM	1	1	21.35	21.41	21.33	22.4
40	64QAM	1	1	21.46	21.48	21.40	22.4
40	256QAM	1	1	19.88	19.90	19.82	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	21.44	21.51	21.45	22.4
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	21.46	21.55	21.50	22.4
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	21.45	21.54	21.50	22.4
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	21.48	21.54	21.49	22.4
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	21.49	21.49	21.50	22.4

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.05	20.38	20.34	21.7
100	PI/2 BPSK	1	137	20.06	20.34	20.28	
100	PI/2 BPSK	1	271	20.22	20.52	20.45	
100	PI/2 BPSK	135	0	19.78	20.08	20.04	21.7
100	PI/2 BPSK	135	69	19.97	20.30	20.25	21.7
100	PI/2 BPSK	135	138	20.01	20.34	20.32	
100	PI/2 BPSK	270	0	19.89	20.20	20.13	
100	QPSK	1	1	20.23	20.54	20.50	21.7
100	QPSK	1	137	20.07	20.37	20.30	
100	QPSK	1	271	20.10	20.39	20.36	
100	QPSK	135	0	20.02	20.32	20.29	21.7
100	QPSK	135	69	20.08	20.37	20.32	21.7
100	QPSK	135	138	20.01	20.34	20.32	
100	QPSK	270	0	19.93	20.24	20.22	
100	16QAM	1	1	20.07	20.36	20.31	21.7
100	64QAM	1	1	20.02	20.32	20.29	21.7
100	256QAM	1	1	20.06	20.42	20.35	21.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	20.09	20.22	20.24	21.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.12	20.30	20.17	21.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.13	20.26	20.18	21.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	20.10	20.25	20.24	21.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	20.09	20.28	20.24	21.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	20.13	20.25	20.19	21.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.17	20.29	20.24	21.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	20.13	20.28	20.19	21.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.16	20.30	20.25	21.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	20.08	20.27	20.20	21.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	20.12	20.24	20.18	21.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	20.09	20.23	20.20	21.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.14	20.30	20.24	21.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.05	20.38	20.34	21.7
100	PI/2 BPSK	1	137	20.06	20.34	20.28	
100	PI/2 BPSK	1	271	20.22	20.52	20.45	
100	PI/2 BPSK	135	0	19.78	20.08	20.04	21.7
100	PI/2 BPSK	135	69	19.97	20.30	20.25	21.7
100	PI/2 BPSK	135	138	20.01	20.34	20.32	
100	PI/2 BPSK	270	0	19.89	20.20	20.13	
100	QPSK	1	1	20.23	20.54	20.50	21.7
100	QPSK	1	137	20.07	20.37	20.30	
100	QPSK	1	271	20.10	20.39	20.36	
100	QPSK	135	0	20.02	20.32	20.29	21.7
100	QPSK	135	69	20.08	20.37	20.32	21.7
100	QPSK	135	138	20.01	20.34	20.32	
100	QPSK	270	0	19.93	20.24	20.22	
100	16QAM	1	1	20.07	20.36	20.31	21.7
100	64QAM	1	1	20.02	20.32	20.29	21.7
100	256QAM	1	1	20.06	20.42	20.35	21.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	20.09	20.22	20.24	21.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.12	20.30	20.17	21.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.13	20.26	20.18	21.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	20.10	20.25	20.24	21.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	20.09	20.28	20.24	21.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	20.13	20.25	20.19	21.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.17	20.29	20.24	21.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	20.13	20.28	20.19	21.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.16	20.30	20.25	21.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	20.08	20.27	20.20	21.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	20.12	20.24	20.18	21.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	20.09	20.23	20.20	21.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.14	20.30	20.24	21.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.06	19.30	19.22	20.7
100	PI/2 BPSK	1	137	19.02	19.26	19.07	
100	PI/2 BPSK	1	271	18.99	19.27	19.06	
100	PI/2 BPSK	135	0	18.86	19.13	19.01	20.7
100	PI/2 BPSK	135	69	19.00	19.23	19.12	20.7
100	PI/2 BPSK	135	138	18.97	19.24	19.01	
100	PI/2 BPSK	270	0	18.89	19.16	19.01	
100	QPSK	1	1	19.18	19.43	19.28	20.7
100	QPSK	1	137	19.09	19.37	19.14	
100	QPSK	1	271	19.12	19.36	19.15	
100	QPSK	135	0	19.02	19.27	19.10	20.7
100	QPSK	135	69	19.15	19.38	19.24	20.7
100	QPSK	135	138	19.07	19.31	19.16	
100	QPSK	270	0	18.95	19.23	19.13	
100	16QAM	1	1	19.10	19.37	19.17	20.7
100	64QAM	1	1	19.09	19.34	19.19	20.7
100	256QAM	1	1	18.80	19.32	19.19	20.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	19.09	19.27	19.18	20.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	19.04	19.24	19.18	20.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	19.08	19.28	19.16	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	19.08	19.23	19.22	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	19.08	19.28	19.15	20.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	19.04	19.20	19.21	20.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	19.12	19.19	19.22	20.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	19.08	19.18	19.23	20.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	19.11	19.25	19.21	20.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	19.13	19.20	19.17	20.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	19.05	19.28	19.15	20.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	19.05	19.21	19.17	20.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	19.10	19.27	19.23	20.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.06	19.30	19.22	20.7
100	PI/2 BPSK	1	137	19.02	19.26	19.07	
100	PI/2 BPSK	1	271	18.99	19.27	19.06	
100	PI/2 BPSK	135	0	18.86	19.13	19.01	20.7
100	PI/2 BPSK	135	69	19.00	19.23	19.12	20.7
100	PI/2 BPSK	135	138	18.97	19.24	19.01	
100	PI/2 BPSK	270	0	18.89	19.16	19.01	
100	QPSK	1	1	19.18	19.43	19.28	20.7
100	QPSK	1	137	19.09	19.37	19.14	
100	QPSK	1	271	19.12	19.36	19.15	
100	QPSK	135	0	19.02	19.27	19.10	20.7
100	QPSK	135	69	19.15	19.38	19.24	20.7
100	QPSK	135	138	19.07	19.31	19.16	
100	QPSK	270	0	19.03	19.23	19.13	
100	16QAM	1	1	19.10	19.37	19.17	20.7
100	64QAM	1	1	19.09	19.34	19.19	20.7
100	256QAM	1	1	18.80	19.32	19.19	20.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	19.09	19.27	19.18	20.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	19.04	19.24	19.18	20.7
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	19.08	19.28	19.16	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	19.08	19.23	19.22	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	19.08	19.28	19.15	20.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	19.04	19.20	19.21	20.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	19.12	19.19	19.22	20.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	19.08	19.18	19.23	20.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	19.11	19.25	19.21	20.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	19.13	19.20	19.17	20.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	19.05	19.28	19.15	20.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	19.05	19.21	19.17	20.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	19.10	19.27	19.23	20.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.53	17.61	17.57	19.2
100	PI/2 BPSK	1	137	17.36	17.44	17.43	
100	PI/2 BPSK	1	271	17.45	17.48	17.44	
100	PI/2 BPSK	135	0	17.36	17.44	17.34	19.2
100	PI/2 BPSK	135	69	17.54	17.57	17.46	19.2
100	PI/2 BPSK	135	138	17.37	17.40	17.31	19.2
100	PI/2 BPSK	270	0	17.46	17.49	17.32	
100	QPSK	1	1	17.64	17.68	17.60	19.2
100	QPSK	1	137	17.46	17.54	17.48	
100	QPSK	1	271	17.50	17.57	17.49	
100	QPSK	135	0	17.51	17.54	17.43	19.2
100	QPSK	135	69	17.58	17.62	17.52	19.2
100	QPSK	135	138	17.46	17.54	17.40	19.2
100	QPSK	270	0	17.48	17.56	17.38	
100	16QAM	1	1	17.56	17.59	17.59	19.2
100	64QAM	1	1	17.58	17.63	17.52	19.2
100	256QAM	1	1	17.51	17.56	17.51	19.2
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	QPSK	1	1	17.52	17.61	17.52	19.2
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	QPSK	1	1	17.53	17.61	17.47	19.2
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	QPSK	1	1	17.52	17.55	17.48	19.2
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	QPSK	1	1	17.51	17.55	17.47	19.2
Channel				502500	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
50	QPSK	1	1	17.53	17.58	17.45	19.2
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	QPSK	1	1	17.57	17.55	17.55	19.2
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	QPSK	1	1	17.53	17.53	17.47	19.2
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	QPSK	1	1	17.52	17.62	17.51	19.2
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	QPSK	1	1	17.53	17.60	17.49	19.2
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	QPSK	1	1	17.49	17.61	17.54	19.2
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	QPSK	1	1	17.49	17.57	17.53	19.2
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	QPSK	1	1	17.57	17.60	17.49	19.2
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	QPSK	1	1	17.59	17.56	17.45	19.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.53	17.61	17.57	19.2
100	PI/2 BPSK	1	137	17.36	17.44	17.43	
100	PI/2 BPSK	1	271	17.45	17.48	17.44	
100	PI/2 BPSK	135	0	17.36	17.44	17.34	19.2
100	PI/2 BPSK	135	69	17.54	17.57	17.46	19.2
100	PI/2 BPSK	135	138	17.37	17.40	17.31	19.2
100	PI/2 BPSK	270	0	17.46	17.49	17.32	
100	QPSK	1	1	17.64	17.68	17.60	19.2
100	QPSK	1	137	17.46	17.54	17.48	
100	QPSK	1	271	17.50	17.57	17.49	
100	QPSK	135	0	17.51	17.54	17.43	19.2
100	QPSK	135	69	17.58	17.62	17.52	19.2
100	QPSK	135	138	17.46	17.54	17.40	19.2
100	QPSK	270	0	17.48	17.56	17.38	
100	16QAM	1	1	17.56	17.59	17.59	19.2
100	64QAM	1	1	17.58	17.63	17.52	19.2
100	256QAM	1	1	17.51	17.56	17.51	19.2
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	QPSK	1	1	17.52	17.61	17.52	19.2
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	QPSK	1	1	17.53	17.61	17.47	19.2
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	QPSK	1	1	17.52	17.55	17.48	19.2
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	QPSK	1	1	17.51	17.55	17.47	19.2
Channel				502500	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
50	QPSK	1	1	17.53	17.58	17.45	19.2
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	QPSK	1	1	17.57	17.55	17.55	19.2
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	QPSK	1	1	17.53	17.53	17.47	19.2
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	QPSK	1	1	17.52	17.62	17.51	19.2
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	QPSK	1	1	17.53	17.60	17.49	19.2
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	QPSK	1	1	17.49	17.61	17.54	19.2
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	QPSK	1	1	17.49	17.57	17.53	19.2
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	QPSK	1	1	17.57	17.60	17.49	19.2
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	QPSK	1	1	17.59	17.56	17.45	19.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.07	22.11	22.01	23.7
100	PI/2 BPSK	1	137	21.92	21.96	21.93	
100	PI/2 BPSK	1	271	22.03	22.04	21.85	
100	PI/2 BPSK	135	0	21.91	21.97	21.73	23.7
100	PI/2 BPSK	135	69	21.95	22.01	21.92	23.7
100	PI/2 BPSK	135	138	21.87	21.89	21.85	23.7
100	PI/2 BPSK	270	0	21.89	21.90	21.76	
100	QPSK	1	1	22.21	22.24	22.13	23.7
100	QPSK	1	137	22.10	22.11	22.04	
100	QPSK	1	271	22.13	22.18	22.00	
100	QPSK	135	0	22.09	22.10	21.86	23.7
100	QPSK	135	69	22.11	22.18	22.00	23.7
100	QPSK	135	138	21.97	22.01	21.93	23.7
100	QPSK	270	0	21.96	22.01	21.91	
100	16QAM	1	1	22.10	22.07	21.87	23.7
100	64QAM	1	1	21.29	22.09	21.87	23.7
100	256QAM	1	1	19.32	21.53	21.44	22.7
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	QPSK	1	1	22.16	22.14	22.03	23.7
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	QPSK	1	1	22.06	22.18	22.04	23.7
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	QPSK	1	1	22.07	22.19	22.01	23.7
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	QPSK	1	1	22.12	22.13	21.99	23.7
Channel				502500	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
50	QPSK	1	1	22.11	22.10	22.06	23.7
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	QPSK	1	1	22.11	22.12	22.08	23.7
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	QPSK	1	1	22.08	22.09	22.02	23.7
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	QPSK	1	1	22.09	22.18	22.02	23.7
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	QPSK	1	1	22.13	22.10	22.03	23.7
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	QPSK	1	1	22.07	22.17	22.08	23.7
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	QPSK	1	1	22.07	22.15	21.99	23.7
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	QPSK	1	1	22.13	22.17	22.05	23.7
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	QPSK	1	1	22.07	22.12	22.04	23.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.07	22.11	22.01	23.7
100	PI/2 BPSK	1	137	21.92	21.96	21.93	
100	PI/2 BPSK	1	271	22.03	22.04	21.85	
100	PI/2 BPSK	135	0	21.91	21.97	21.73	23.7
100	PI/2 BPSK	135	69	21.95	22.01	21.92	23.7
100	PI/2 BPSK	135	138	21.87	21.89	21.85	23.7
100	PI/2 BPSK	270	0	21.89	21.90	21.76	
100	QPSK	1	1	22.21	22.24	22.13	23.7
100	QPSK	1	137	22.10	22.11	22.04	
100	QPSK	1	271	22.13	22.18	22.00	
100	QPSK	135	0	22.09	22.10	21.86	23.7
100	QPSK	135	69	22.11	22.18	22.00	23.7
100	QPSK	135	138	21.97	22.01	21.93	23.7
100	QPSK	270	0	21.96	22.01	21.91	
100	16QAM	1	1	22.10	22.07	21.87	23.7
100	64QAM	1	1	21.29	22.09	21.87	23.7
100	256QAM	1	1	19.32	21.53	21.44	22.7
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	QPSK	1	1	22.16	22.14	22.03	23.7
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	QPSK	1	1	22.06	22.18	22.04	23.7
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	QPSK	1	1	22.07	22.19	22.01	23.7
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	QPSK	1	1	22.12	22.13	21.99	23.7
Channel				502500	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
50	QPSK	1	1	22.11	22.10	22.06	23.7
Channel				503702	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	QPSK	1	1	22.11	22.12	22.08	23.7
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	QPSK	1	1	22.08	22.09	22.02	23.7
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	QPSK	1	1	22.09	22.18	22.02	23.7
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	QPSK	1	1	22.13	22.10	22.03	23.7
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	QPSK	1	1	22.07	22.17	22.08	23.7
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	QPSK	1	1	22.07	22.15	21.99	23.7
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	QPSK	1	1	22.13	22.17	22.05	23.7
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	QPSK	1	1	22.07	22.12	22.04	23.7

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.96	21.01	21.05	
40	PI/2 BPSK	1	53	20.76	20.94	20.88	22.2
40	PI/2 BPSK	1	104	20.78	20.85	20.88	
40	PI/2 BPSK	50	0	20.74	20.93	20.90	22.2
40	PI/2 BPSK	50	28	20.87	20.97	20.89	22.2
40	PI/2 BPSK	50	56	20.70	20.86	20.80	22.2
40	PI/2 BPSK	100	0	20.73	20.83	20.88	
40	QPSK	1	1	21.01	21.15	21.10	
40	QPSK	1	53	20.91	21.08	20.98	22.2
40	QPSK	1	104	20.89	21.00	20.95	
40	QPSK	50	0	20.85	20.99	20.95	22.2
40	QPSK	50	28	20.96	21.08	21.03	22.2
40	QPSK	50	56	20.83	21.01	20.95	22.2
40	QPSK	100	0	20.85	20.96	20.95	22.2
40	16QAM	1	1	20.87	21.10	21.02	22.2
40	64QAM	1	1	20.86	21.10	20.98	22.2
40	256QAM	1	1	19.57	19.72	19.60	20.7
Channel				637668	641666	645664	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	20.93	21.09	20.99	22.2
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	20.96	21.03	21.01	22.2
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	20.89	21.06	20.96	22.2
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	20.90	21.09	21.00	22.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.57	22.63	22.61	
40	PI/2 BPSK	1	53	22.46	22.49	22.55	23.7
40	PI/2 BPSK	1	104	22.44	22.56	22.38	
40	PI/2 BPSK	50	0	20.53	20.60	20.52	23.7
40	PI/2 BPSK	50	28	22.44	22.52	22.44	23.7
40	PI/2 BPSK	50	56	20.47	20.46	20.38	23.7
40	PI/2 BPSK	100	0	20.46	20.60	20.54	
40	QPSK	1	1	22.62	22.70	22.68	
40	QPSK	1	53	22.56	22.55	22.60	23.7
40	QPSK	1	104	22.56	22.63	22.53	
40	QPSK	50	0	20.59	20.68	20.58	23.7
40	QPSK	50	28	22.57	22.62	22.54	23.7
40	QPSK	50	56	20.53	20.60	20.53	23.7
40	QPSK	100	0	20.53	20.65	20.61	21.7
40	16QAM	1	1	22.53	22.57	22.63	23.7
40	64QAM	1	1	21.56	21.60	21.49	22.2
40	256QAM	1	1	19.63	19.57	19.55	20.2
Channel				637668	641666	645664	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	22.57	22.59	22.61	23.7
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	22.56	22.57	22.58	23.7
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	22.57	22.62	22.55	23.7
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	22.52	22.59	22.58	23.7

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.48	21.64	21.63	
40	PI/2 BPSK	1	53	21.38	21.53	21.45	22.7
40	PI/2 BPSK	1	104	21.36	21.48	21.48	
40	PI/2 BPSK	50	0	21.20	21.41	21.33	22.7
40	PI/2 BPSK	50	28	21.35	21.52	21.51	22.7
40	PI/2 BPSK	50	56	21.21	21.50	21.32	22.7
40	PI/2 BPSK	100	0	21.25	21.45	21.43	
40	QPSK	1	1	21.60	21.69	21.68	
40	QPSK	1	53	21.48	21.60	21.54	22.7
40	QPSK	1	104	21.48	21.54	21.57	
40	QPSK	50	0	21.34	21.55	21.42	22.7
40	QPSK	50	28	21.45	21.62	21.56	22.7
40	QPSK	50	56	21.09	21.19	21.10	22.7
40	QPSK	100	0	21.15	21.20	21.14	22.2
40	16QAM	1	1	21.50	21.54	21.62	22.7
40	64QAM	1	1	21.50	21.58	21.54	22.7
40	256QAM	1	1	20.09	20.15	20.11	20.7
Channel				637668	641666	645664	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	21.55	21.58	21.53	22.7
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	21.52	21.62	21.60	22.7
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	21.49	21.57	21.53	22.7
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	21.47	21.54	21.54	22.7

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	17.89	18.01	18.00	
40	PI/2 BPSK	1	53	17.86	17.89	17.96	18.7
40	PI/2 BPSK	1	104	17.90	18.03	17.99	
40	PI/2 BPSK	50	0	17.87	17.97	17.98	18.7
40	PI/2 BPSK	50	28	17.89	17.94	17.92	18.7
40	PI/2 BPSK	50	56	17.90	18.01	17.95	18.7
40	PI/2 BPSK	100	0	17.97	17.98	17.96	
40	QPSK	1	1	18.01	18.11	18.08	
40	QPSK	1	53	17.97	18.04	18.04	18.7
40	QPSK	1	104	17.98	18.09	18.05	
40	QPSK	50	0	17.94	17.96	17.96	18.7
40	QPSK	50	28	17.99	18.05	18.06	18.7
40	QPSK	50	56	17.93	17.97	18.01	18.7
40	QPSK	100	0	17.89	18.04	17.95	18.7
40	16QAM	1	1	17.90	17.97	17.96	18.7
40	64QAM	1	1	17.87	17.96	18.02	18.7
40	256QAM	1	1	17.96	17.97	17.75	18.7
Channel				637668	641666	645664	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	QPSK	1	1	17.87	17.97	18.03	18.7
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	17.89	18.00	17.99	18.7
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	QPSK	1	1	17.89	18.02	18.00	18.7
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	17.96	17.98	17.97	18.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.69		
100	PI/2 BPSK	1	137		18.62		19.7
100	PI/2 BPSK	1	271		18.56		
100	PI/2 BPSK	135	0		18.57		19.7
100	PI/2 BPSK	135	69		18.60		19.7
100	PI/2 BPSK	135	138		18.40		19.7
100	PI/2 BPSK	270	0		18.53		
100	QPSK	1	1		18.77		
100	QPSK	1	137		18.70		19.7
100	QPSK	1	271		18.66		
100	QPSK	135	0		18.64		19.7
100	QPSK	135	69		18.69		19.7
100	QPSK	135	138		18.55		19.7
100	QPSK	270	0		18.63		
100	16QAM	1	1		18.65		19.7
100	64QAM	1	1		18.69		19.7
100	256QAM	1	1		18.69		19.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	18.62	18.62	18.48	19.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3506	
80	QPSK	1	1	18.60	18.68	18.50	19.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	18.62	18.65	18.54	19.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	18.67	18.69	18.52	19.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	18.61	18.64	18.48	19.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	18.69	18.68	18.51	19.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	18.64	18.70	18.48	19.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	18.70	18.64	18.52	19.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	18.68	18.64	18.53	19.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	18.68	18.62	18.51	19.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	18.62	18.64	18.52	19.7

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.38	18.16	17.80	
100	PI/2 BPSK	1	137	18.23	18.18	17.86	19.7
100	PI/2 BPSK	1	271	18.18	18.09	17.87	
100	PI/2 BPSK	135	0	18.07	17.97	17.79	19.7
100	PI/2 BPSK	135	69	18.20	18.09	17.86	19.7
100	PI/2 BPSK	135	138	18.04	18.05	17.76	19.7
100	PI/2 BPSK	270	0	18.08	17.94	17.72	
100	QPSK	1	1	18.44	18.31	17.88	
100	QPSK	1	137	18.35	18.23	17.81	19.7
100	QPSK	1	271	18.31	18.19	17.75	
100	QPSK	135	0	18.16	18.05	17.64	19.7
100	QPSK	135	69	18.20	18.17	17.77	19.7
100	QPSK	135	138	18.18	18.12	17.68	19.7
100	QPSK	270	0	18.15	18.07	17.65	
100	16QAM	1	1	18.36	18.24	17.80	19.7
100	64QAM	1	1	18.36	18.23	17.79	19.7
100	256QAM	1	1	18.29	18.19	17.79	19.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	18.35	18.21	17.75	19.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	18.39	18.20	17.79	19.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	18.32	18.20	17.76	19.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	18.35	18.26	17.74	19.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	18.32	18.23	17.83	19.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	18.35	18.21	17.80	19.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	18.31	18.22	17.77	19.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	18.37	18.24	17.83	19.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	18.31	18.26	17.76	19.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	18.30	18.18	17.76	19.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	18.33	18.21	17.81	19.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.69		
100	PI/2 BPSK	1	137		18.62		19.7
100	PI/2 BPSK	1	271		18.56		
100	PI/2 BPSK	135	0		18.57		19.7
100	PI/2 BPSK	135	69		18.60		19.7
100	PI/2 BPSK	135	138		18.40		19.7
100	PI/2 BPSK	270	0		18.53		
100	QPSK	1	1		18.77		
100	QPSK	1	137		18.70		19.7
100	QPSK	1	271		18.66		
100	QPSK	135	0		18.64		19.7
100	QPSK	135	69		18.69		19.7
100	QPSK	135	138		18.55		19.7
100	QPSK	270	0		18.63		
100	16QAM	1	1		18.65		19.7
100	64QAM	1	1		18.69		19.7
100	256QAM	1	1		18.69		19.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	18.62	18.62	18.48	19.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3506	
80	QPSK	1	1	18.60	18.68	18.50	19.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	18.62	18.65	18.54	19.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	18.67	18.69	18.52	19.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	18.61	18.64	18.48	19.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	18.69	18.68	18.51	19.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	18.64	18.70	18.48	19.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	18.70	18.64	18.52	19.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	18.68	18.64	18.53	19.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	18.68	18.62	18.51	19.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	18.62	18.64	18.52	19.7

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.38	18.16	17.80	
100	PI/2 BPSK	1	137	18.23	18.18	17.86	19.7
100	PI/2 BPSK	1	271	18.18	18.09	17.87	
100	PI/2 BPSK	135	0	18.07	17.97	17.79	19.7
100	PI/2 BPSK	135	69	18.20	18.09	17.86	19.7
100	PI/2 BPSK	135	138	18.04	18.05	17.76	19.7
100	PI/2 BPSK	270	0	18.08	17.94	17.72	
100	QPSK	1	1	18.44	18.31	17.88	
100	QPSK	1	137	18.35	18.23	17.81	19.7
100	QPSK	1	271	18.31	18.19	17.75	
100	QPSK	135	0	18.16	18.05	17.64	19.7
100	QPSK	135	69	18.20	18.17	17.77	19.7
100	QPSK	135	138	18.18	18.12	17.68	19.7
100	QPSK	270	0	18.15	18.07	17.65	
100	16QAM	1	1	18.36	18.24	17.80	19.7
100	64QAM	1	1	18.36	18.23	17.79	19.7
100	256QAM	1	1	18.29	18.19	17.79	19.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	18.35	18.21	17.75	19.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	18.39	18.20	17.79	19.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	18.32	18.20	17.76	19.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	18.35	18.26	17.74	19.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	18.32	18.23	17.83	19.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	18.35	18.21	17.80	19.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	18.31	18.22	17.77	19.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	18.37	18.24	17.83	19.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	18.31	18.26	17.76	19.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	18.30	18.18	17.76	19.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	18.33	18.21	17.81	19.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.59		
100	PI/2 BPSK	1	137		19.48		20.7
100	PI/2 BPSK	1	271		19.47		
100	PI/2 BPSK	135	0		19.40		20.7
100	PI/2 BPSK	135	69		19.57		20.7
100	PI/2 BPSK	135	138		19.46		20.7
100	PI/2 BPSK	270	0		19.44		
100	QPSK	1	1		19.71		
100	QPSK	1	137		19.57		20.7
100	QPSK	1	271		19.60		
100	QPSK	135	0		19.55		20.7
100	QPSK	135	69		19.62		20.7
100	QPSK	135	138		19.56		20.7
100	QPSK	270	0		19.55		
100	16QAM	1	1		19.56		20.7
100	64QAM	1	1		19.57		20.7
100	256QAM	1	1		19.63		20.7
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	19.63	19.66	19.58	20.7
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3492.02	3499.98	3508	(dBm)
80	QPSK	1	1	19.58	19.58	19.63	20.7
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	19.64	19.64	19.65	20.7
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	19.59	19.59	19.59	20.7
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	19.60	19.60	19.58	20.7
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	19.62	19.66	19.62	20.7
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	19.58	19.60	19.67	20.7
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	19.63	19.56	19.63	20.7
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	19.62	19.58	19.60	20.7
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	19.59	19.58	19.62	20.7
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	19.66	19.66	19.58	20.7

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.89	19.63	19.73	
100	PI/2 BPSK	1	137	19.84	19.58	19.51	20.7
100	PI/2 BPSK	1	271	19.79	19.62	19.51	
100	PI/2 BPSK	135	0	19.76	19.49	19.49	20.7
100	PI/2 BPSK	135	69	19.81	19.56	19.54	20.7
100	PI/2 BPSK	135	138	19.80	19.48	19.44	20.7
100	PI/2 BPSK	270	0	19.76	19.47	19.47	
100	QPSK	1	1	20.01	19.75	19.80	
100	QPSK	1	137	19.95	19.70	19.66	20.7
100	QPSK	1	271	19.94	19.69	19.66	
100	QPSK	135	0	19.82	19.59	19.60	20.7
100	QPSK	135	69	19.96	19.68	19.67	20.7
100	QPSK	135	138	19.85	19.62	19.55	20.7
100	QPSK	270	0	19.90	19.59	19.61	
100	16QAM	1	1	19.94	19.70	19.73	20.7
100	64QAM	1	1	19.89	19.67	19.74	20.7
100	256QAM	1	1	19.95	19.64	19.70	20.7
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	19.92	19.67	19.75	20.7
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	19.94	19.70	19.75	20.7
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	19.91	19.60	19.68	20.7
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	19.93	19.61	19.68	20.7
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	19.89	19.68	19.66	20.7
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	19.87	19.68	19.74	20.7
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	19.89	19.68	19.68	20.7
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	19.93	19.67	19.65	20.7
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	19.90	19.68	19.74	20.7
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	19.89	19.69	19.69	20.7
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	19.88	19.60	19.75	20.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.59		
100	PI/2 BPSK	1	137		19.48		20.7
100	PI/2 BPSK	1	271		19.47		
100	PI/2 BPSK	135	0		19.40		20.7
100	PI/2 BPSK	135	69		19.57		20.7
100	PI/2 BPSK	135	138		19.46		20.7
100	PI/2 BPSK	270	0		19.44		
100	QPSK	1	1		19.71		
100	QPSK	1	137		19.57		20.7
100	QPSK	1	271		19.60		
100	QPSK	135	0		19.55		20.7
100	QPSK	135	69		19.62		20.7
100	QPSK	135	138		19.56		20.7
100	QPSK	270	0		19.55		
100	16QAM	1	1		19.56		20.7
100	64QAM	1	1		19.57		20.7
100	256QAM	1	1		19.63		20.7
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	19.63	19.66	19.58	20.7
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3492.02	3499.98	3508	(dBm)
80	QPSK	1	1	19.58	19.58	19.63	20.7
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	19.64	19.64	19.65	20.7
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	19.59	19.59	19.59	20.7
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	19.60	19.60	19.58	20.7
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	19.62	19.66	19.62	20.7
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	19.58	19.60	19.67	20.7
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	19.63	19.56	19.63	20.7
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	19.62	19.58	19.60	20.7
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	19.59	19.58	19.62	20.7
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	19.66	19.66	19.58	20.7

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.89	19.63	19.73	
100	PI/2 BPSK	1	137	19.84	19.58	19.51	20.7
100	PI/2 BPSK	1	271	19.79	19.62	19.51	
100	PI/2 BPSK	135	0	19.76	19.49	19.49	20.7
100	PI/2 BPSK	135	69	19.81	19.56	19.54	20.7
100	PI/2 BPSK	135	138	19.80	19.48	19.44	20.7
100	PI/2 BPSK	270	0	19.76	19.47	19.47	
100	QPSK	1	1	20.01	19.75	19.80	
100	QPSK	1	137	19.95	19.70	19.66	20.7
100	QPSK	1	271	19.94	19.69	19.66	
100	QPSK	135	0	19.82	19.59	19.60	20.7
100	QPSK	135	69	19.96	19.68	19.67	20.7
100	QPSK	135	138	19.85	19.62	19.55	20.7
100	QPSK	270	0	19.90	19.59	19.61	
100	16QAM	1	1	19.94	19.70	19.73	20.7
100	64QAM	1	1	19.89	19.67	19.74	20.7
100	256QAM	1	1	19.95	19.64	19.70	20.7
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	19.92	19.67	19.75	20.7
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	19.94	19.70	19.75	20.7
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	19.91	19.60	19.68	20.7
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	19.93	19.61	19.68	20.7
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	19.89	19.68	19.66	20.7
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	19.87	19.68	19.74	20.7
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	19.89	19.68	19.68	20.7
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	19.93	19.67	19.65	20.7
Channel				647334	656000	664668	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	19.90	19.68	19.74	20.7
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	19.89	19.69	19.69	20.7
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	19.88	19.60	19.75	20.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.17		
100	PI/2 BPSK	1	137		22.02		23.2
100	PI/2 BPSK	1	271		21.97		
100	PI/2 BPSK	135	0		21.90		23.2
100	PI/2 BPSK	135	69		22.11		23.2
100	PI/2 BPSK	135	138		21.96		23.2
100	PI/2 BPSK	270	0		21.88		
100	QPSK	1	1		22.24		
100	QPSK	1	137		22.15		23.2
100	QPSK	1	271		22.10		
100	QPSK	135	0		22.05		23.2
100	QPSK	135	69		22.17		23.2
100	QPSK	135	138		22.04		23.2
100	QPSK	270	0		22.02		
100	16QAM	1	1		22.13		23.2
100	64QAM	1	1		22.15		23.2
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	22.10	22.10	22.05	23.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3492.02	3499.98	3508	
80	QPSK	1	1	22.08	22.11	22.05	23.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	22.13	22.14	22.03	23.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	22.09	22.14	22.08	23.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	22.15	22.09	22.06	23.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	22.10	22.11	22.04	23.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	22.16	22.19	22.02	23.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	22.14	22.16	22.11	23.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	22.15	22.11	22.12	23.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	22.09	22.16	22.07	23.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	22.13	22.17	22.08	23.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.31	22.15	22.25	
100	PI/2 BPSK	1	137	22.25	21.97	22.21	23.2
100	PI/2 BPSK	1	271	22.23	22.06	22.12	
100	PI/2 BPSK	135	0	22.09	21.89	21.97	23.2
100	PI/2 BPSK	135	69	22.16	21.93	22.15	23.2
100	PI/2 BPSK	135	138	22.05	21.99	22.00	23.2
100	PI/2 BPSK	270	0	22.04	21.91	21.99	
100	QPSK	1	1	22.36	22.22	22.35	
100	QPSK	1	137	22.31	22.11	22.30	23.2
100	QPSK	1	271	22.30	22.14	22.25	
100	QPSK	135	0	22.20	22.02	22.12	23.2
100	QPSK	135	69	22.22	22.08	22.20	23.2
100	QPSK	135	138	22.14	22.05	22.10	23.2
100	QPSK	270	0	22.16	21.99	22.12	
100	16QAM	1	1	22.26	22.13	22.21	23.2
100	64QAM	1	1	22.23	22.14	22.24	23.2
100	256QAM	1	1	22.09	21.91	22.04	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	22.23	22.09	22.20	23.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	22.30	22.07	22.27	23.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	22.23	22.09	22.30	23.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	22.23	22.16	22.20	23.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	22.29	22.12	22.21	23.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	22.26	22.07	22.30	23.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	22.23	22.11	22.26	23.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	22.24	22.10	22.29	23.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	22.28	22.12	22.27	23.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	22.21	22.12	22.29	23.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	22.29	22.08	22.26	23.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.17		
100	PI/2 BPSK	1	137		22.02		23.2
100	PI/2 BPSK	1	271		21.97		
100	PI/2 BPSK	135	0		21.90		23.2
100	PI/2 BPSK	135	69		22.11		23.2
100	PI/2 BPSK	135	138		21.96		23.2
100	PI/2 BPSK	270	0		21.88		
100	QPSK	1	1		22.24		
100	QPSK	1	137		22.15		23.2
100	QPSK	1	271		22.10		
100	QPSK	135	0		22.05		23.2
100	QPSK	135	69		22.17		23.2
100	QPSK	135	138		22.04		23.2
100	QPSK	270	0		22.02		
100	16QAM	1	1		22.13		23.2
100	64QAM	1	1		22.15		23.2
100	256QAM	1	1		21.85		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	22.10	22.10	22.05	23.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3492.02	3499.98	3508	
80	QPSK	1	1	22.08	22.11	22.05	23.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	22.13	22.14	22.03	23.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	22.09	22.14	22.08	23.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	22.15	22.09	22.06	23.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	22.10	22.11	22.04	23.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	22.16	22.19	22.02	23.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	22.14	22.16	22.11	23.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	22.15	22.11	22.12	23.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	22.09	22.16	22.07	23.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	22.13	22.17	22.08	23.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.31	22.15	22.25	
100	PI/2 BPSK	1	137	22.25	21.97	22.21	23.2
100	PI/2 BPSK	1	271	22.23	22.06	22.12	
100	PI/2 BPSK	135	0	22.09	21.89	21.97	23.2
100	PI/2 BPSK	135	69	22.16	21.93	22.15	23.2
100	PI/2 BPSK	135	138	22.05	21.99	22.00	23.2
100	PI/2 BPSK	270	0	22.04	21.91	21.99	
100	QPSK	1	1	22.36	22.22	22.35	
100	QPSK	1	137	22.31	22.11	22.30	23.2
100	QPSK	1	271	22.30	22.14	22.25	
100	QPSK	135	0	22.20	22.02	22.12	23.2
100	QPSK	135	69	22.22	22.08	22.20	23.2
100	QPSK	135	138	22.14	22.05	22.10	23.2
100	QPSK	270	0	22.16	21.99	22.12	
100	16QAM	1	1	22.29	22.13	22.21	23.2
100	64QAM	1	1	22.23	22.14	22.24	23.2
100	256QAM	1	1	22.09	21.91	22.04	22.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	22.23	22.09	22.20	23.2
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	22.30	22.07	22.27	23.2
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	22.23	22.09	22.30	23.2
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	22.23	22.16	22.20	23.2
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	22.29	22.12	22.21	23.2
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	22.26	22.07	22.30	23.2
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	22.23	22.11	22.26	23.2
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	22.24	22.10	22.29	23.2
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	22.28	22.12	22.27	23.2
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	22.21	22.12	22.29	23.2
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	22.29	22.08	22.26	23.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.01		
100	PI/2 BPSK	1	137		17.90		19.2
100	PI/2 BPSK	1	271		17.95		
100	PI/2 BPSK	135	0		17.74		19.2
100	PI/2 BPSK	135	69		17.93		19.2
100	PI/2 BPSK	135	138		17.88		19.2
100	PI/2 BPSK	270	0		17.77		
100	QPSK	1	1		18.15		
100	QPSK	1	137		18.05		19.2
100	QPSK	1	271		18.01		
100	QPSK	135	0		17.89		19.2
100	QPSK	135	69		18.03		19.2
100	QPSK	135	138		17.96		19.2
100	QPSK	270	0		17.91		
100	16QAM	1	1		18.07		19.2
100	64QAM	1	1		18.08		19.2
100	256QAM	1	1		18.00		19.2
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	17.92	18.06	17.95	19.2
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3493.02	3499.98	3510	(dBm)
80	QPSK	1	1	17.94	18.02	17.95	19.2
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	17.93	18.09	17.99	19.2
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	17.92	18.02	17.98	19.2
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	17.98	18.08	17.96	19.2
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	17.95	18.08	18.04	19.2
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	17.91	18.05	17.96	19.2
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	17.96	18.02	18.00	19.2
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	17.95	18.09	17.95	19.2
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	17.99	18.00	17.98	19.2
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	17.90	18.06	17.95	19.2

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.21	17.97	17.80	
100	PI/2 BPSK	1	137	18.13	17.92	17.71	19.2
100	PI/2 BPSK	1	271	18.11	17.96	17.63	
100	PI/2 BPSK	135	0	17.98	17.87	17.56	19.2
100	PI/2 BPSK	135	69	18.04	18.00	17.69	19.2
100	PI/2 BPSK	135	138	17.95	17.87	17.64	19.2
100	PI/2 BPSK	270	0	17.97	17.88	17.59	
100	QPSK	1	1	18.31	18.11	17.89	
100	QPSK	1	137	18.22	17.98	17.82	19.2
100	QPSK	1	271	18.22	18.01	17.74	
100	QPSK	135	0	18.06	18.00	17.82	19.2
100	QPSK	135	69	18.16	18.06	17.77	19.2
100	QPSK	135	138	18.09	18.01	17.71	19.2
100	QPSK	270	0	18.02	17.95	17.71	
100	16QAM	1	1	18.20	17.98	17.80	19.2
100	64QAM	1	1	18.20	18.06	17.76	19.2
100	256QAM	1	1	18.17	18.02	17.77	19.2
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	18.19	18.03	17.82	19.2
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	18.19	18.00	17.79	19.2
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	18.26	17.99	17.80	19.2
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	18.17	17.97	17.79	19.2
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	18.20	18.01	17.77	19.2
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	18.26	18.02	17.84	19.2
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	18.25	17.96	17.82	19.2
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	18.23	17.96	17.84	19.2
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	18.18	18.00	17.79	19.2
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	18.17	18.01	17.83	19.2
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	18.16	18.02	17.76	19.2

Part27Q_n77(HPUE)_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.01		
100	PI/2 BPSK	1	137		17.90		19.2
100	PI/2 BPSK	1	271		17.95		
100	PI/2 BPSK	135	0		17.74		19.2
100	PI/2 BPSK	135	69		17.93		19.2
100	PI/2 BPSK	135	138		17.88		19.2
100	PI/2 BPSK	270	0		17.77		
100	QPSK	1	1		18.15		
100	QPSK	1	137		18.05		19.2
100	QPSK	1	271		18.01		
100	QPSK	135	0		17.89		19.2
100	QPSK	135	69		18.03		19.2
100	QPSK	135	138		17.96		19.2
100	QPSK	270	0		17.91		
100	16QAM	1	1		18.07		19.2
100	64QAM	1	1		18.08		19.2
100	256QAM	1	1		18.00		19.2
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	17.92	18.06	17.95	19.2
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3493.02	3499.98	3510	(dBm)
80	QPSK	1	1	17.94	18.02	17.95	19.2
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	17.93	18.09	17.99	19.2
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	17.92	18.02	17.98	19.2
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	17.98	18.08	17.96	19.2
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	17.95	18.08	18.04	19.2
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	17.91	18.05	17.96	19.2
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	17.96	18.02	18.00	19.2
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	17.95	18.09	17.95	19.2
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	17.99	18.00	17.98	19.2
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	17.90	18.06	17.95	19.2

Part27O_n77(HPUE)_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.21	17.97	17.80	
100	PI/2 BPSK	1	137	18.13	17.92	17.71	19.2
100	PI/2 BPSK	1	271	18.11	17.96	17.63	
100	PI/2 BPSK	135	0	17.98	17.87	17.56	19.2
100	PI/2 BPSK	135	69	18.04	18.00	17.69	19.2
100	PI/2 BPSK	135	138	17.95	17.87	17.64	19.2
100	PI/2 BPSK	270	0	17.97	17.88	17.59	
100	QPSK	1	1	18.31	18.11	17.89	
100	QPSK	1	137	18.22	17.98	17.82	19.2
100	QPSK	1	271	18.22	18.01	17.74	
100	QPSK	135	0	18.06	18.00	17.82	19.2
100	QPSK	135	69	18.16	18.06	17.77	19.2
100	QPSK	135	138	18.09	18.01	17.71	19.2
100	QPSK	270	0	18.02	17.95	17.71	
100	16QAM	1	1	18.20	17.98	17.80	19.2
100	64QAM	1	1	18.20	18.06	17.76	19.2
100	256QAM	1	1	18.17	18.02	17.77	19.2
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	QPSK	1	1	18.19	18.03	17.82	19.2
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	QPSK	1	1	18.19	18.00	17.79	19.2
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	QPSK	1	1	18.26	17.99	17.80	19.2
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	QPSK	1	1	18.17	17.97	17.79	19.2
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	QPSK	1	1	18.20	18.01	17.77	19.2
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	QPSK	1	1	18.26	18.02	17.84	19.2
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	QPSK	1	1	18.25	17.96	17.82	19.2
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	QPSK	1	1	18.23	17.96	17.84	19.2
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	QPSK	1	1	18.18	18.00	17.79	19.2
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	QPSK	1	1	18.17	18.01	17.83	19.2
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	QPSK	1	1	18.16	18.02	17.76	19.2

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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)
Channel					633332		
Frequency (MHz)					3498.98		
100	PI/2 BPSK	1	1		19.57		
100	PI/2 BPSK	1	137		19.46		20.7
100	PI/2 BPSK	1	271		19.50		
100	PI/2 BPSK	135	0		19.52		20.7
100	PI/2 BPSK	135	69		19.60		20.7
100	PI/2 BPSK	135	138		19.49		20.7
100	PI/2 BPSK	270	0		19.48		
100	QPSK	1	1		19.72		
100	QPSK	1	137		19.61		20.7
100	QPSK	1	271		19.63		
100	QPSK	135	0		19.57		20.7
100	QPSK	135	69		19.66		20.7
100	QPSK	135	138		19.56		20.7
100	QPSK	270	0		19.53		
100	16QAM	1	1		19.66		20.7
100	64QAM	1	1		19.58		20.7
100	256QAM	1	1		19.57		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3498.98	3504.99	
90	QPSK	1	1	19.64	19.66	19.68	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3498.98	3505	
80	QPSK	1	1	19.64	19.65	19.60	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3498.98	3514.98	
70	QPSK	1	1	19.64	19.63	19.68	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3498.98	3519.99	
60	QPSK	1	1	19.66	19.63	19.69	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3498.98	3525	
50	QPSK	1	1	19.63	19.60	19.59	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3498.98	3529.98	
40	QPSK	1	1	19.68	19.61	19.68	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3498.98	3534.99	
30	QPSK	1	1	19.69	19.67	19.66	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3498.98	3537.48	
25	QPSK	1	1	19.70	19.69	19.58	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3498.98	3540	
20	QPSK	1	1	19.62	19.64	19.70	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3498.98	3542.49	
15	QPSK	1	1	19.62	19.59	19.62	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3498.98	3544.98	
10	QPSK	1	1	19.63	19.62	19.67	20.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.32		
100	PI/2 BPSK	1	137		19.18		20.7
100	PI/2 BPSK	1	271		19.12		
100	PI/2 BPSK	135	0		19.00		20.7
100	PI/2 BPSK	135	69		19.12		20.7
100	PI/2 BPSK	135	138		19.04		20.7
100	PI/2 BPSK	270	0		19.11		
100	QPSK	1	1		19.38		
100	QPSK	1	137		19.23		20.7
100	QPSK	1	271		19.27		
100	QPSK	135	0		19.15		20.7
100	QPSK	135	69		19.24		20.7
100	QPSK	135	138		19.09		20.7
100	QPSK	270	0		19.18		
100	16QAM	1	1		19.29		20.7
100	64QAM	1	1		19.28		20.7
100	256QAM	1	1		19.26		20.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.35	19.29	19.33	20.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.26	19.27	19.34	20.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	19.34	19.24	19.30	20.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.34	19.24	19.30	20.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.31	19.27	19.32	20.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	19.33	19.23	19.30	20.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.32	19.33	19.34	20.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	19.35	19.27	19.32	20.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.35	19.32	19.32	20.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	19.32	19.26	19.30	20.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	19.34	19.30	19.31	20.7

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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)
Channel					633332		
Frequency (MHz)					3498.98		
100	PI/2 BPSK	1	1		19.57		
100	PI/2 BPSK	1	137		19.46		20.7
100	PI/2 BPSK	1	271		19.50		
100	PI/2 BPSK	135	0		19.52		20.7
100	PI/2 BPSK	135	69		19.60		20.7
100	PI/2 BPSK	135	138		19.49		20.7
100	PI/2 BPSK	270	0		19.48		
100	QPSK	1	1		19.72		
100	QPSK	1	137		19.61		20.7
100	QPSK	1	271		19.63		
100	QPSK	135	0		19.57		20.7
100	QPSK	135	69		19.66		20.7
100	QPSK	135	138		19.56		20.7
100	QPSK	270	0		19.53		
100	16QAM	1	1		19.66		20.7
100	64QAM	1	1		19.58		20.7
100	256QAM	1	1		19.57		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3498.98	3504.99	
90	QPSK	1	1	19.64	19.66	19.68	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3498.98	3505	
80	QPSK	1	1	19.64	19.65	19.60	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3498.98	3514.98	
70	QPSK	1	1	19.64	19.63	19.68	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3498.98	3519.99	
60	QPSK	1	1	19.66	19.63	19.69	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3498.98	3525	
50	QPSK	1	1	19.63	19.60	19.59	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3498.98	3529.98	
40	QPSK	1	1	19.68	19.61	19.68	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3498.98	3534.99	
30	QPSK	1	1	19.69	19.67	19.66	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3498.98	3537.48	
25	QPSK	1	1	19.70	19.69	19.58	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3498.98	3540	
20	QPSK	1	1	19.62	19.64	19.70	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3498.98	3542.49	
15	QPSK	1	1	19.62	19.59	19.62	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3498.98	3544.98	
10	QPSK	1	1	19.63	19.62	19.67	20.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.32		
100	PI/2 BPSK	1	137		19.18		20.7
100	PI/2 BPSK	1	271		19.12		
100	PI/2 BPSK	135	0		19.00		20.7
100	PI/2 BPSK	135	69		19.12		20.7
100	PI/2 BPSK	135	138		19.04		20.7
100	PI/2 BPSK	270	0		19.11		
100	QPSK	1	1		19.38		
100	QPSK	1	137		19.23		20.7
100	QPSK	1	271		19.27		
100	QPSK	135	0		19.15		20.7
100	QPSK	135	69		19.24		20.7
100	QPSK	135	138		19.09		20.7
100	QPSK	270	0		19.18		
100	16QAM	1	1		19.29		20.7
100	64QAM	1	1		19.28		20.7
100	256QAM	1	1		19.26		20.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.35	19.29	19.33	20.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.26	19.27	19.34	20.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	19.34	19.24	19.30	20.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.34	19.24	19.30	20.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.31	19.27	19.32	20.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	19.33	19.23	19.30	20.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.32	19.33	19.34	20.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	19.35	19.27	19.32	20.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	19.35	19.32	19.32	20.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	19.32	19.26	19.30	20.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	19.34	19.30	19.31	20.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.03		
100	PI/2 BPSK	1	137		20.79		22.2
100	PI/2 BPSK	1	271		20.96		
100	PI/2 BPSK	135	0		20.82		22.2
100	PI/2 BPSK	135	69		20.88		22.2
100	PI/2 BPSK	135	138		20.83		22.2
100	PI/2 BPSK	270	0		20.75		
100	QPSK	1	1		21.08		
100	QPSK	1	137		20.93		22.2
100	QPSK	1	271		21.01		
100	QPSK	135	0		20.88		22.2
100	QPSK	135	69		21.02		22.2
100	QPSK	135	138		20.95		22.2
100	QPSK	270	0		20.88		
100	16QAM	1	1		20.99		22.2
100	64QAM	1	1		21.00		22.2
100	256QAM	1	1		21.07		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	20.95	21.03	20.86	22.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3515	
80	QPSK	1	1	20.90	20.97	20.81	22.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.93	21.00	20.81	22.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.89	20.95	20.83	22.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	20.93	20.94	20.83	22.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	20.95	20.94	20.90	22.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.89	20.94	20.85	22.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	20.97	21.01	20.83	22.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.89	20.95	20.80	22.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	20.93	21.01	20.84	22.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	20.90	20.99	20.90	22.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.25		
100	PI/2 BPSK	1	137		21.16		22.2
100	PI/2 BPSK	1	271		21.10		
100	PI/2 BPSK	135	0		21.20		22.2
100	PI/2 BPSK	135	69		21.26		22.2
100	PI/2 BPSK	135	138		21.09		22.2
100	PI/2 BPSK	270	0		21.09		
100	QPSK	1	1		21.40		
100	QPSK	1	137		21.29		22.2
100	QPSK	1	271		21.19		
100	QPSK	135	0		21.26		22.2
100	QPSK	135	69		21.32		22.2
100	QPSK	135	138		21.21		22.2
100	QPSK	270	0		21.23		
100	16QAM	1	1		21.29		22.2
100	64QAM	1	1		21.32		22.2
100	256QAM	1	1		21.36		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	21.15	21.33	21.31	22.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	21.22	21.29	21.32	22.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	21.21	21.34	21.28	22.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	21.19	21.30	21.32	22.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	21.21	21.26	21.33	22.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.20	21.28	21.34	22.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	21.25	21.34	21.33	22.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	21.21	21.35	21.29	22.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	21.19	21.33	21.28	22.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	21.17	21.30	21.34	22.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	21.24	21.34	21.33	22.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.03		
100	PI/2 BPSK	1	137		20.79		22.2
100	PI/2 BPSK	1	271		20.96		
100	PI/2 BPSK	135	0		20.82		22.2
100	PI/2 BPSK	135	69		20.88		22.2
100	PI/2 BPSK	135	138		20.83		22.2
100	PI/2 BPSK	270	0		20.75		
100	QPSK	1	1		21.08		
100	QPSK	1	137		20.93		22.2
100	QPSK	1	271		21.01		
100	QPSK	135	0		20.88		22.2
100	QPSK	135	69		21.02		22.2
100	QPSK	135	138		20.95		22.2
100	QPSK	270	0		20.88		
100	16QAM	1	1		20.99		22.2
100	64QAM	1	1		21.00		22.2
100	256QAM	1	1		21.07		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	20.95	21.03	20.86	22.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3515	
80	QPSK	1	1	20.90	20.97	20.81	22.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.93	21.00	20.81	22.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.89	20.95	20.83	22.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	20.93	20.94	20.83	22.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	20.95	20.94	20.90	22.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.89	20.94	20.85	22.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	20.97	21.01	20.83	22.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.89	20.95	20.80	22.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	20.93	21.01	20.84	22.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	20.90	20.99	20.90	22.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.25		
100	PI/2 BPSK	1	137		21.16		22.2
100	PI/2 BPSK	1	271		21.10		
100	PI/2 BPSK	135	0		21.20		22.2
100	PI/2 BPSK	135	69		21.26		22.2
100	PI/2 BPSK	135	138		21.09		22.2
100	PI/2 BPSK	270	0		21.09		
100	QPSK	1	1		21.40		
100	QPSK	1	137		21.29		22.2
100	QPSK	1	271		21.19		
100	QPSK	135	0		21.26		22.2
100	QPSK	135	69		21.32		22.2
100	QPSK	135	138		21.21		22.2
100	QPSK	270	0		21.23		
100	16QAM	1	1		21.29		22.2
100	64QAM	1	1		21.32		22.2
100	256QAM	1	1		21.36		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	21.15	21.33	21.31	22.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	21.22	21.29	21.32	22.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	21.21	21.34	21.28	22.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	21.19	21.30	21.32	22.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	21.21	21.26	21.33	22.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.20	21.28	21.34	22.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	21.25	21.34	21.33	22.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	21.21	21.35	21.29	22.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	21.19	21.33	21.28	22.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	21.17	21.30	21.34	22.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	21.24	21.34	21.33	22.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.03		
100	PI/2 BPSK	1	137		21.04		22.2
100	PI/2 BPSK	1	271		20.89		
100	PI/2 BPSK	135	0		20.92		22.2
100	PI/2 BPSK	135	69		20.97		22.2
100	PI/2 BPSK	135	138		20.85		22.2
100	PI/2 BPSK	270	0		20.87		
100	QPSK	1	1		21.15		
100	QPSK	1	137		21.10		22.2
100	QPSK	1	271		21.00		
100	QPSK	135	0		20.99		22.2
100	QPSK	135	69		21.04		22.2
100	QPSK	135	138		20.99		22.2
100	QPSK	270	0		20.98		
100	16QAM	1	1		21.06		22.2
100	64QAM	1	1		21.05		22.2
100	256QAM	1	1		21.06		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
90	QPSK	1	1	21.05	21.10	20.97	22.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3539	
80	QPSK	1	1	21.06	21.01	21.03	22.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	21.05	21.04	20.98	22.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	21.05	21.07	20.97	22.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	21.13	21.08	21.05	22.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	21.06	21.09	21.02	22.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	21.10	21.10	21.07	22.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	21.10	21.08	21.03	22.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	21.05	21.10	21.01	22.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	21.05	21.00	21.02	22.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	21.05	21.08	21.01	22.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.21		
100	PI/2 BPSK	1	137		21.14		22.2
100	PI/2 BPSK	1	271		21.10		
100	PI/2 BPSK	135	0		21.06		22.2
100	PI/2 BPSK	135	69		21.20		22.2
100	PI/2 BPSK	135	138		21.04		22.2
100	PI/2 BPSK	270	0		21.05		
100	QPSK	1	1		21.35		
100	QPSK	1	137		21.23		22.2
100	QPSK	1	271		21.21		
100	QPSK	135	0		21.19		22.2
100	QPSK	135	69		21.26		22.2
100	QPSK	135	138		21.19		22.2
100	QPSK	270	0		21.16		
100	16QAM	1	1		21.20		22.2
100	64QAM	1	1		21.30		22.2
100	256QAM	1	1		21.24		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	21.18	21.24	21.23	22.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	21.10	21.30	21.17	22.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	21.13	21.26	21.22	22.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	21.13	21.28	21.24	22.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	21.10	21.22	21.19	22.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.09	21.27	21.22	22.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	21.17	21.28	21.17	22.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	21.13	21.30	21.21	22.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	21.10	21.28	21.15	22.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	21.15	21.23	21.25	22.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	21.18	21.26	21.25	22.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.03		
100	PI/2 BPSK	1	137		21.04		22.2
100	PI/2 BPSK	1	271		20.89		
100	PI/2 BPSK	135	0		20.92		22.2
100	PI/2 BPSK	135	69		20.97		22.2
100	PI/2 BPSK	135	138		20.85		22.2
100	PI/2 BPSK	270	0		20.87		
100	QPSK	1	1		21.15		
100	QPSK	1	137		21.10		22.2
100	QPSK	1	271		21.00		
100	QPSK	135	0		20.99		22.2
100	QPSK	135	69		21.04		22.2
100	QPSK	135	138		20.99		22.2
100	QPSK	270	0		20.98		
100	16QAM	1	1		21.06		22.2
100	64QAM	1	1		21.05		22.2
100	256QAM	1	1		21.06		22.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
90	QPSK	1	1	21.05	21.10	20.97	22.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3539	
80	QPSK	1	1	21.06	21.01	21.03	22.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	21.05	21.04	20.98	22.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	21.05	21.07	20.97	22.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	21.13	21.08	21.05	22.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	21.06	21.09	21.02	22.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	21.10	21.10	21.07	22.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	21.10	21.08	21.03	22.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	21.05	21.10	21.01	22.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	21.05	21.00	21.02	22.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	21.05	21.08	21.01	22.2

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.21		
100	PI/2 BPSK	1	137		21.14		22.2
100	PI/2 BPSK	1	271		21.10		
100	PI/2 BPSK	135	0		21.06		22.2
100	PI/2 BPSK	135	69		21.20		22.2
100	PI/2 BPSK	135	138		21.04		22.2
100	PI/2 BPSK	270	0		21.05		
100	QPSK	1	1		21.35		
100	QPSK	1	137		21.23		22.2
100	QPSK	1	271		21.21		
100	QPSK	135	0		21.19		22.2
100	QPSK	135	69		21.26		22.2
100	QPSK	135	138		21.19		22.2
100	QPSK	270	0		21.16		
100	16QAM	1	1		21.20		22.2
100	64QAM	1	1		21.30		22.2
100	256QAM	1	1		21.24		22.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	21.18	21.24	21.23	22.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	21.10	21.30	21.17	22.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	21.13	21.26	21.22	22.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	21.13	21.28	21.24	22.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	21.10	21.22	21.19	22.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.09	21.27	21.22	22.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	21.17	21.28	21.17	22.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	21.13	21.30	21.21	22.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	21.10	21.28	21.15	22.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	21.15	21.23	21.25	22.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	21.18	21.26	21.25	22.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.01		
100	PI/2 BPSK	1	137		17.88		19.2
100	PI/2 BPSK	1	271		17.83		
100	PI/2 BPSK	135	0		17.78		19.2
100	PI/2 BPSK	135	69		17.86		19.2
100	PI/2 BPSK	135	138		17.86		
100	PI/2 BPSK	270	0		17.75		19.2
100	QPSK	1	1		18.07		
100	QPSK	1	137		18.02		19.2
100	QPSK	1	271		17.96		
100	QPSK	135	0		17.90		19.2
100	QPSK	135	69		18.01		19.2
100	QPSK	135	138		17.96		19.2
100	QPSK	270	0		17.98		
100	16QAM	1	1		17.98		19.2
100	64QAM	1	1		17.93		19.2
100	256QAM	1	1		17.96		19.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	17.96	17.94	17.91	19.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3513	
80	QPSK	1	1	17.97	18.02	17.95	19.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	17.95	18.02	17.90	19.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	18.00	17.97	17.90	19.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	17.95	17.95	17.92	19.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	17.95	17.92	17.94	19.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	17.97	17.98	17.89	19.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	18.04	17.98	17.95	19.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	18.02	17.97	17.93	19.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	17.97	17.97	17.93	19.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	18.04	17.96	17.96	19.2

Part27O_n78_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.09		
100	PI/2 BPSK	1	137		17.95		19.2
100	PI/2 BPSK	1	271		17.97		
100	PI/2 BPSK	135	0		17.83		19.2
100	PI/2 BPSK	135	69		18.02		19.2
100	PI/2 BPSK	135	138		17.84		19.2
100	PI/2 BPSK	270	0		17.91		
100	QPSK	1	1		18.20		
100	QPSK	1	137		18.09		19.2
100	QPSK	1	271		18.10		
100	QPSK	135	0		17.97		19.2
100	QPSK	135	69		18.07		19.2
100	QPSK	135	138		17.98		19.2
100	QPSK	270	0		17.97		
100	16QAM	1	1		18.15		19.2
100	64QAM	1	1		18.12		19.2
100	256QAM	1	1		18.13		19.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	18.08	18.14	18.03	19.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	18.07	18.08	18.04	19.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	18.00	18.10	18.04	19.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	18.05	18.06	18.07	19.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	18.05	18.11	18.02	19.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	18.08	18.12	18.07	19.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	18.06	18.12	18.01	19.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	18.02	18.06	18.05	19.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	18.04	18.11	18.07	19.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	18.05	18.06	18.10	19.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	18.08	18.10	18.08	19.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.01		
100	PI/2 BPSK	1	137		17.88		19.2
100	PI/2 BPSK	1	271		17.83		
100	PI/2 BPSK	135	0		17.78		19.2
100	PI/2 BPSK	135	69		17.86		19.2
100	PI/2 BPSK	135	138		17.86		19.2
100	PI/2 BPSK	270	0		17.75		
100	QPSK	1	1		18.07		
100	QPSK	1	137		18.02		19.2
100	QPSK	1	271		17.96		
100	QPSK	135	0		17.90		19.2
100	QPSK	135	69		18.01		19.2
100	QPSK	135	138		17.96		19.2
100	QPSK	270	0		17.98		
100	16QAM	1	1		17.98		19.2
100	64QAM	1	1		17.93		19.2
100	256QAM	1	1		17.96		19.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	17.96	17.94	17.91	19.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3493.02	3499.98	3513	
80	QPSK	1	1	17.97	18.02	17.95	19.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	17.95	18.02	17.90	19.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	18.00	17.97	17.90	19.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	17.95	17.95	17.92	19.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	17.95	17.92	17.94	19.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	17.97	17.98	17.89	19.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	18.04	17.98	17.95	19.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	18.02	17.97	17.93	19.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	17.97	17.97	17.93	19.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	18.04	17.96	17.96	19.2

Part27O_n78(HPUE)_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.09		
100	PI/2 BPSK	1	137		17.95		19.2
100	PI/2 BPSK	1	271		17.97		
100	PI/2 BPSK	135	0		17.83		19.2
100	PI/2 BPSK	135	69		18.02		19.2
100	PI/2 BPSK	135	138		17.84		19.2
100	PI/2 BPSK	270	0		17.91		
100	QPSK	1	1		18.20		
100	QPSK	1	137		18.09		19.2
100	QPSK	1	271		18.10		
100	QPSK	135	0		17.97		19.2
100	QPSK	135	69		18.07		19.2
100	QPSK	135	138		17.98		19.2
100	QPSK	270	0		17.97		
100	16QAM	1	1		18.15		19.2
100	64QAM	1	1		18.12		19.2
100	256QAM	1	1		18.13		19.2
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	18.08	18.14	18.03	19.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	18.07	18.08	18.04	19.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	18.00	18.10	18.04	19.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	18.05	18.06	18.07	19.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	18.05	18.11	18.02	19.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	18.08	18.12	18.07	19.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	18.06	18.12	18.01	19.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	18.02	18.06	18.05	19.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	18.04	18.11	18.07	19.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	18.05	18.06	18.10	19.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	18.08	18.10	18.08	19.2

Reduced Power Mode for DSI5

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	20.40	20.54	20.46	
40	PI/2 BPSK	1	108	20.56	20.45	20.40	21.9
40	PI/2 BPSK	1	214	20.48	20.52	20.56	
40	PI/2 BPSK	108	0	20.43	20.48	20.51	21.9
40	PI/2 BPSK	108	54	20.44	20.55	20.49	21.9
40	PI/2 BPSK	108	108	20.44	20.39	20.53	21.9
40	PI/2 BPSK	216	0	20.52	20.46	20.41	
40	QPSK	1	1	20.53	20.61	20.58	
40	QPSK	1	108	20.48	20.52	20.44	21.9
40	QPSK	1	214	20.42	20.48	20.43	
40	QPSK	108	0	20.46	20.52	20.40	21.9
40	QPSK	108	54	20.52	20.59	20.54	21.9
40	QPSK	108	108	20.47	20.50	20.47	21.9
40	QPSK	216	0	20.44	20.47	20.38	
40	16QAM	1	1	20.41	20.43	20.43	21.9
40	64QAM	1	1	20.42	20.50	20.41	21.9
40	256QAM	1	1	19.57	19.60	19.58	20.4
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	20.39	20.43	20.49	21.9
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	20.49	20.41	20.44	21.9
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	20.41	20.49	20.48	21.9
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	20.45	20.49	20.49	21.9
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	20.43	20.41	20.51	21.9
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	20.46	20.50	20.53	21.9
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	20.39	20.42	20.46	21.9

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	18.44	18.52	18.50	
40	PI/2 BPSK	1	108	18.28	18.37	18.41	20.2
40	PI/2 BPSK	1	214	18.34	18.39	18.34	
40	PI/2 BPSK	108	0	18.22	18.23	18.32	20.2
40	PI/2 BPSK	108	54	18.28	18.38	18.38	20.2
40	PI/2 BPSK	108	108	18.27	18.25	18.30	20.2
40	PI/2 BPSK	216	0	18.29	18.28	18.30	
40	QPSK	1	1	18.55	18.60	18.58	
40	QPSK	1	108	18.41	18.42	18.47	20.2
40	QPSK	1	214	18.42	18.51	18.47	
40	QPSK	108	0	18.26	18.35	18.39	20.2
40	QPSK	108	54	18.40	18.48	18.47	20.2
40	QPSK	108	108	18.26	18.36	18.38	20.2
40	QPSK	216	0	18.34	18.38	18.35	
40	16QAM	1	1	18.45	18.49	18.48	20.2
40	64QAM	1	1	18.44	18.50	18.48	20.2
40	256QAM	1	1	18.50	18.45	18.51	20.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	18.42	18.48	18.44	20.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	18.43	18.55	18.51	20.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	18.41	18.55	18.43	20.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	18.49	18.47	18.43	20.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	18.40	18.53	18.46	20.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	18.46	18.48	18.49	20.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	18.43	18.46	18.46	20.2

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	18.04	18.11	18.05	
40	PI/2 BPSK	1	108	18.02	18.03	17.95	19.2
40	PI/2 BPSK	1	214	18.04	17.97	18.00	
40	PI/2 BPSK	108	0	17.94	18.01	17.97	19.2
40	PI/2 BPSK	108	54	17.96	18.09	18.03	19.2
40	PI/2 BPSK	108	108	17.91	17.99	18.01	19.2
40	PI/2 BPSK	216	0	17.98	18.04	18.07	
40	QPSK	1	1	18.05	18.12	18.08	
40	QPSK	1	108	18.04	18.00	17.94	19.2
40	QPSK	1	214	17.98	18.00	17.99	
40	QPSK	108	0	17.96	18.08	17.93	19.2
40	QPSK	108	54	18.03	18.10	18.05	19.2
40	QPSK	108	108	17.98	18.07	18.03	19.2
40	QPSK	216	0	17.93	18.10	18.00	
40	16QAM	1	1	17.92	18.05	18.02	19.2
40	64QAM	1	1	18.03	18.10	18.02	19.2
40	256QAM	1	1	18.05	18.02	18.00	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	17.89	18.07	18.00	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
30	QPSK	1	1	17.94	18.00	18.03	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
25	QPSK	1	1	17.90	17.95	17.92	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
20	QPSK	1	1	17.94	18.04	18.02	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
15	QPSK	1	1	17.96	18.05	18.01	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
10	QPSK	1	1	17.93	17.98	18.02	19.2
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
5	QPSK	1	1	17.94	18.04	17.92	19.2

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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)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	20.57	20.64	20.59	
40	PI/2 BPSK	1	108	20.63	20.63	20.57	22.2
40	PI/2 BPSK	1	214	20.61	20.72	20.57	
40	PI/2 BPSK	108	0	20.60	20.74	20.68	22.2
40	PI/2 BPSK	108	54	20.65	20.68	20.55	22.2
40	PI/2 BPSK	108	108	20.57	20.75	20.67	22.2
40	PI/2 BPSK	216	0	20.59	20.68	20.66	
40	QPSK	1	1	20.68	20.78	20.70	
40	QPSK	1	108	20.56	20.72	20.61	22.2
40	QPSK	1	214	20.53	20.71	20.68	
40	QPSK	108	0	20.62	20.69	20.56	22.2
40	QPSK	108	54	20.65	20.71	20.68	22.2
40	QPSK	108	108	20.64	20.63	20.66	22.2
40	QPSK	216	0	20.55	20.63	20.61	
40	16QAM	1	1	20.54	20.65	20.55	22.2
40	64QAM	1	1	20.67	20.74	20.60	22.2
40	256QAM	1	1	19.19	19.30	19.14	20.7
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	QPSK	1	1	20.58	20.66	20.67	22.2
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	20.64	20.68	20.62	22.2
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	20.51	20.65	20.53	22.2
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	1	20.51	20.62	20.59	22.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	20.55	20.67	20.55	22.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	20.53	20.61	20.59	22.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	20.60	20.63	20.64	22.2

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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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.40	23.43	23.37	
20	PI/2 BPSK	1	53	23.34	23.30	23.36	24.9
20	PI/2 BPSK	1	104	23.37	23.32	23.25	
20	PI/2 BPSK	50	0	22.90	23.05	23.04	24.9
20	PI/2 BPSK	50	28	23.30	23.29	23.33	24.9
20	PI/2 BPSK	50	56	22.95	22.91	22.98	24.9
20	PI/2 BPSK	100	0	23.02	23.04	23.03	
20	QPSK	1	1	23.41	23.44	23.38	
20	QPSK	1	53	23.37	23.31	23.26	24.9
20	QPSK	1	104	23.33	23.37	23.36	
20	QPSK	50	0	22.98	23.00	22.88	24.4
20	QPSK	50	28	23.33	23.35	23.31	24.9
20	QPSK	50	56	22.81	22.95	22.92	24.4
20	QPSK	100	0	23.02	23.06	22.94	
20	16QAM	1	1	22.88	23.00	22.87	24.4
20	64QAM	1	1	21.35	21.42	21.34	22.9
20	256QAM	1	1	19.35	19.50	19.43	20.9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.26	23.33	23.32	24.9
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.33	23.40	23.28	24.9
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.26	23.42	23.25	24.9

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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)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.82	20.94	20.89	
20	PI/2 BPSK	1	53	20.86	20.83	20.81	22.2
20	PI/2 BPSK	1	104	20.81	20.88	20.77	
20	PI/2 BPSK	50	0	20.87	20.88	20.79	22.2
20	PI/2 BPSK	50	28	20.87	20.88	20.82	22.2
20	PI/2 BPSK	50	56	20.82	20.81	20.80	22.2
20	PI/2 BPSK	100	0	20.73	20.93	20.83	
20	QPSK	1	1	20.88	20.95	20.90	
20	QPSK	1	53	20.77	20.92	20.78	22.2
20	QPSK	1	104	20.87	20.93	20.85	
20	QPSK	50	0	20.80	20.83	20.82	22.2
20	QPSK	50	28	20.83	20.94	20.86	22.2
20	QPSK	50	56	20.78	20.90	20.76	22.2
20	QPSK	100	0	20.80	20.82	20.75	
20	16QAM	1	1	20.74	20.88	20.80	22.2
20	64QAM	1	1	20.75	20.79	20.79	22.2
20	256QAM	1	1	19.26	19.42	19.38	20.2
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	20.86	20.83	20.87	22.2
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	20.75	20.92	20.76	22.2
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	20.80	20.94	20.75	22.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.22	21.33	21.24	
50	PI/2 BPSK	1	135	21.29	21.25	21.23	22.2
50	PI/2 BPSK	1	268	21.26	21.26	21.20	
50	PI/2 BPSK	135	0	21.32	21.37	21.28	22.2
50	PI/2 BPSK	135	68	21.21	21.29	21.22	22.2
50	PI/2 BPSK	135	135	21.29	21.29	21.29	22.2
50	PI/2 BPSK	270	0	21.21	21.36	21.23	
50	QPSK	1	1	21.35	21.40	21.32	
50	QPSK	1	135	21.26	21.33	21.26	22.2
50	QPSK	1	268	21.33	21.29	21.30	
50	QPSK	135	0	21.20	21.33	21.27	22.2
50	QPSK	135	68	21.27	21.35	21.29	22.2
50	QPSK	135	135	21.21	21.30	21.20	22.2
50	QPSK	270	0	21.24	21.32	21.26	
50	16QAM	1	1	21.30	21.26	21.27	22.2
50	64QAM	1	1	21.03	21.15	21.14	22.2
50	256QAM	1	1	19.12	19.17	19.14	20.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	21.22	21.36	21.18	22.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	21.30	21.33	21.21	22.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	21.33	21.36	21.24	22.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	21.27	21.36	21.25	22.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	21.34	21.36	21.27	22.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	21.26	21.39	21.31	22.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	21.31	21.34	21.26	22.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	21.33	21.31	21.23	22.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	18.70	18.76	18.62	
50	PI/2 BPSK	1	135	18.79	18.81	18.74	20.2
50	PI/2 BPSK	1	268	18.70	18.76	18.65	
50	PI/2 BPSK	135	0	18.72	18.71	18.70	20.2
50	PI/2 BPSK	135	68	18.67	18.73	18.67	20.2
50	PI/2 BPSK	135	135	18.67	18.79	18.69	20.2
50	PI/2 BPSK	270	0	18.69	18.79	18.64	
50	QPSK	1	1	18.80	18.86	18.75	
50	QPSK	1	135	18.71	18.73	18.64	20.2
50	QPSK	1	268	18.74	18.74	18.61	
50	QPSK	135	0	18.66	18.73	18.65	20.2
50	QPSK	135	68	18.72	18.81	18.69	20.2
50	QPSK	135	135	18.69	18.79	18.66	20.2
50	QPSK	270	0	18.70	18.77	18.71	
50	16QAM	1	1	18.70	18.76	18.74	20.2
50	64QAM	1	1	18.72	18.79	18.70	20.2
50	256QAM	1	1	18.08	18.18	18.06	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	18.59	18.66	18.70	20.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	18.64	18.75	18.57	20.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	18.72	18.75	18.71	20.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	18.63	18.61	18.69	20.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	18.61	18.62	18.65	20.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	18.63	18.71	18.61	20.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	18.68	18.67	18.62	20.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	18.59	18.66	18.68	20.2

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.03	17.11	17.08	17.7
50	PI/2 BPSK	1	135	17.14	17.12	17.11	
50	PI/2 BPSK	1	268	17.14	17.24	17.16	
50	PI/2 BPSK	135	0	17.05	17.23	17.15	17.7
50	PI/2 BPSK	135	68	17.13	17.22	17.12	17.7
50	PI/2 BPSK	135	135	17.03	17.19	17.09	17.7
50	PI/2 BPSK	270	0	17.10	17.24	17.16	
50	QPSK	1	1	17.18	17.25	17.22	17.7
50	QPSK	1	135	17.14	17.18	17.20	
50	QPSK	1	268	17.05	17.15	17.20	
50	QPSK	135	0	17.11	17.11	17.11	17.7
50	QPSK	135	68	17.16	17.22	17.20	17.7
50	QPSK	135	135	17.10	17.20	17.18	17.7
50	QPSK	270	0	17.10	17.20	17.17	
50	16QAM	1	1	17.08	17.19	17.19	17.7
50	64QAM	1	1	17.04	17.20	17.14	17.7
50	256QAM	1	1	17.06	17.21	17.10	17.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	17.12	17.23	17.10	17.7
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	17.15	17.24	17.20	17.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	17.03	17.10	17.12	17.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	17.06	17.21	17.08	17.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	17.15	17.24	17.20	17.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	17.04	17.18	17.07	17.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	17.05	17.14	17.13	17.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	17.17	17.18	17.15	17.7

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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)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.29	20.36	20.21	21.2
50	PI/2 BPSK	1	135	20.31	20.36	20.28	
50	PI/2 BPSK	1	268	20.33	20.42	20.34	
50	PI/2 BPSK	135	0	20.34	20.40	20.20	21.2
50	PI/2 BPSK	135	68	20.32	20.36	20.31	21.2
50	PI/2 BPSK	135	135	20.24	20.35	20.27	21.2
50	PI/2 BPSK	270	0	20.35	20.33	20.31	
50	QPSK	1	1	20.38	20.43	20.35	21.2
50	QPSK	1	135	20.27	20.40	20.24	
50	QPSK	1	268	20.31	20.32	20.26	
50	QPSK	135	0	20.29	20.39	20.29	21.2
50	QPSK	135	68	20.35	20.41	20.33	21.2
50	QPSK	135	135	20.31	20.34	20.22	21.2
50	QPSK	270	0	20.23	20.30	20.27	
50	16QAM	1	1	20.37	20.41	20.32	21.2
50	64QAM	1	1	20.36	20.42	20.21	21.2
50	256QAM	1	1	18.74	18.94	18.86	19.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	20.30	20.34	20.24	21.2
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	20.35	20.29	20.32	21.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	20.24	20.39	20.20	21.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	20.35	20.31	20.33	21.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	20.32	20.28	20.29	21.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	20.30	20.37	20.21	21.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	20.36	20.30	20.31	21.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	20.29	20.39	20.21	21.2

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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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.49	22.53	22.54	24.4
15	PI/2 BPSK	1	40	22.51	22.56	22.57	
15	PI/2 BPSK	1	77	22.52	22.59	22.51	
15	PI/2 BPSK	36	0	22.48	22.61	22.51	24.4
15	PI/2 BPSK	36	22	22.55	22.54	22.57	24.4
15	PI/2 BPSK	36	43	22.48	22.57	22.56	24.4
15	PI/2 BPSK	75	0	22.44	22.51	22.51	
15	QPSK	1	1	22.60	22.67	22.62	24.4
15	QPSK	1	40	22.49	22.52	22.51	
15	QPSK	1	77	22.46	22.56	22.48	
15	QPSK	36	0	22.46	22.56	22.51	24.4
15	QPSK	36	22	22.57	22.64	22.58	24.4
15	QPSK	36	43	22.52	22.60	22.49	24.4
15	QPSK	75	0	22.53	22.57	22.52	
15	16QAM	1	1	22.49	22.53	22.53	24.4
15	64QAM	1	1	21.04	21.15	21.11	22.9
	256QAM	1	1	19.14	19.22	19.18	20.9
Channel				140800	141000	141200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	22.52	22.57	22.46	24.4
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.45	22.60	22.49	24.4

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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)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.44	22.56	22.47	24.2
15	PI/2 BPSK	1	40	22.43	22.50	22.48	
15	PI/2 BPSK	1	77	22.43	22.55	22.52	
15	PI/2 BPSK	36	0	22.40	22.53	22.52	24.2
15	PI/2 BPSK	36	22	22.42	22.49	22.47	24.2
15	PI/2 BPSK	36	43	22.42	22.58	22.51	24.2
15	PI/2 BPSK	75	0	22.45	22.51	22.41	
15	QPSK	1	1	22.48	22.60	22.55	24.2
15	QPSK	1	40	22.36	22.54	22.46	
15	QPSK	1	77	22.39	22.51	22.40	
15	QPSK	36	0	22.33	22.47	22.37	24.2
15	QPSK	36	22	22.47	22.49	22.46	24.2
15	QPSK	36	43	22.36	22.38	22.33	24.2
15	QPSK	75	0	22.25	22.38	22.27	
15	16QAM	1	1	22.42	22.41	22.43	24.2
15	64QAM	1	1	20.85	20.86	20.90	22.7
	256QAM	1	1	18.86	19.01	18.98	20.7
Channel				140800	141000	141200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	22.47	22.48	22.51	24.2
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.46	22.53	22.48	24.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.38	20.26	20.39	
40	PI/2 BPSK	1	108	20.31	20.25	20.33	21.9
40	PI/2 BPSK	1	214	20.37	20.29	20.39	
40	PI/2 BPSK	108	0	20.29	20.32	20.34	21.9
40	PI/2 BPSK	108	54	20.38	20.25	20.32	21.9
40	PI/2 BPSK	108	108	20.34	20.35	20.36	21.9
40	PI/2 BPSK	216	0	20.34	20.24	20.33	
40	QPSK	1	1	20.43	20.40	20.47	
40	QPSK	1	108	20.30	20.33	20.36	21.9
40	QPSK	1	214	20.37	20.34	20.36	
40	QPSK	108	0	20.35	20.30	20.41	21.9
40	QPSK	108	54	20.40	20.35	20.42	21.9
40	QPSK	108	108	20.34	20.31	20.36	21.9
40	QPSK	216	0	20.29	20.32	20.39	
40	16QAM	1	1	20.34	20.27	20.42	21.9
40	64QAM	1	1	20.27	20.32	20.40	21.9
40	256QAM	1	1	19.23	19.55	19.66	20.9
Channel				373500	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	20.33	20.32	20.42	21.9
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	20.29	20.30	20.40	21.9
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	20.29	20.29	20.38	21.9
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	20.32	20.24	20.36	21.9
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	20.31	20.27	20.32	21.9
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	20.37	20.28	20.34	21.9
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	20.35	20.24	20.32	21.9

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	18.55	18.54	18.64	
40	PI/2 BPSK	1	108	18.47	18.59	18.53	20.2
40	PI/2 BPSK	1	214	18.51	18.58	18.65	
40	PI/2 BPSK	108	0	18.48	18.58	18.55	20.2
40	PI/2 BPSK	108	54	18.51	18.61	18.55	20.2
40	PI/2 BPSK	108	108	18.47	18.48	18.54	20.2
40	PI/2 BPSK	216	0	18.51	18.55	18.52	
40	QPSK	1	1	18.68	18.62	18.66	
40	QPSK	1	108	18.49	18.55	18.64	20.2
40	QPSK	1	214	18.50	18.55	18.56	
40	QPSK	108	0	18.48	18.55	18.62	20.2
40	QPSK	108	54	18.65	18.59	18.65	20.2
40	QPSK	108	108	18.50	18.50	18.60	20.2
40	QPSK	216	0	18.52	18.50	18.58	
40	16QAM	1	1	18.55	18.50	18.53	20.2
40	64QAM	1	1	18.55	18.59	18.51	20.2
40	256QAM	1	1	18.52	18.56	18.59	20.2
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	18.46	18.52	18.58	20.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	18.57	18.60	18.53	20.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	18.55	18.62	18.52	20.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	18.50	18.51	18.50	20.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	18.55	18.57	18.59	20.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	18.46	18.52	18.55	20.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	18.48	18.54	18.47	20.2

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	18.50	18.49	18.51	
40	PI/2 BPSK	1	108	18.48	18.42	18.51	19.4
40	PI/2 BPSK	1	214	18.44	18.53	18.55	
40	PI/2 BPSK	108	0	18.44	18.39	18.48	19.4
40	PI/2 BPSK	108	54	18.48	18.40	18.46	19.4
40	PI/2 BPSK	108	108	18.43	18.34	18.49	19.4
40	PI/2 BPSK	216	0	18.29	18.39	18.53	
40	QPSK	1	1	18.51	18.54	18.58	
40	QPSK	1	108	18.49	18.46	18.46	19.4
40	QPSK	1	214	18.40	18.30	18.50	
40	QPSK	108	0	18.43	18.40	18.40	19.4
40	QPSK	108	54	18.47	18.46	18.53	19.4
40	QPSK	108	108	18.42	18.34	18.49	19.4
40	QPSK	216	0	18.38	18.39	18.52	
40	16QAM	1	1	18.38	18.37	18.47	19.4
40	64QAM	1	1	18.39	18.38	18.41	19.4
40	256QAM	1	1	18.31	18.49	18.51	19.4
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	18.39	18.46	18.46	19.4
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	18.49	18.40	18.44	19.4
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	18.44	18.41	18.43	19.4
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	18.41	18.40	18.45	19.4
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	18.44	18.45	18.39	19.4
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	18.45	18.42	18.45	19.4
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	18.35	18.44	18.45	19.4

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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)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.80	20.78	20.83	
40	PI/2 BPSK	1	108	20.81	20.72	20.88	22.2
40	PI/2 BPSK	1	214	20.68	20.84	20.81	
40	PI/2 BPSK	108	0	20.72	20.80	20.81	22.2
40	PI/2 BPSK	108	54	20.73	20.81	20.80	22.2
40	PI/2 BPSK	108	108	20.71	20.84	20.83	22.2
40	PI/2 BPSK	216	0	20.79	20.75	20.88	
40	QPSK	1	1	20.82	20.85	20.92	
40	QPSK	1	108	20.77	20.80	20.89	22.2
40	QPSK	1	214	20.67	20.73	20.77	
40	QPSK	108	0	20.75	20.81	20.87	22.2
40	QPSK	108	54	20.70	20.83	20.90	22.2
40	QPSK	108	108	20.73	20.76	20.89	22.2
40	QPSK	216	0	20.72	20.80	20.84	
40	16QAM	1	1	20.73	20.74	20.86	22.2
40	64QAM	1	1	20.74	20.75	20.86	22.2
40	256QAM	1	1	19.40	19.33	19.61	20.7
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	QPSK	1	1	20.81	20.84	20.85	22.2
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	20.81	20.76	20.82	22.2
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	QPSK	1	1	20.73	20.80	20.77	22.2
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	1	20.79	20.74	20.87	22.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	20.73	20.84	20.83	22.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	20.75	20.77	20.78	22.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	20.70	20.79	20.83	22.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.31		
10	PI/2 BPSK	1	26		20.27		22.2
10	PI/2 BPSK	1	50		20.31		
10	PI/2 BPSK	25	0		20.32		22.2
10	PI/2 BPSK	25	14		20.32		22.2
10	PI/2 BPSK	25	27		20.26		22.2
10	PI/2 BPSK	50	0		20.32		
10	QPSK	1	1		20.38		
10	QPSK	1	26		20.25		22.2
10	QPSK	1	50		20.25		
10	QPSK	25	0		20.30		22.2
10	QPSK	25	14		20.36		22.2
10	QPSK	25	27		20.32		22.2
10	QPSK	50	0		20.28		
10	16QAM	1	1		20.24		22.2
10	64QAM	1	1		20.35		22.2
10	256QAM	1	1		19.15		20.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	20.31	20.37	20.27	22.2

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		19.79		
10	PI/2 BPSK	1	26		19.89		21.2
10	PI/2 BPSK	1	50		19.85		
10	PI/2 BPSK	25	0		19.80		21.2
10	PI/2 BPSK	25	14		19.78		21.2
10	PI/2 BPSK	25	27		19.84		21.2
10	PI/2 BPSK	50	0		19.86		
10	QPSK	1	1		19.93		
10	QPSK	1	26		19.92		21.2
10	QPSK	1	50		19.91		
10	QPSK	25	0		19.78		21.2
10	QPSK	25	14		19.90		21.2
10	QPSK	25	27		19.86		21.2
10	QPSK	50	0		19.88		
10	16QAM	1	1		19.86		21.2
10	64QAM	1	1		19.87		21.2
10	256QAM	1	1		18.75		19.7
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	19.80	19.86	19.78	21.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.37	21.51	21.44	
45	PI/2 BPSK	1	120	21.40	21.54	21.40	22.9
45	PI/2 BPSK	1	240	21.40	21.53	21.42	
45	PI/2 BPSK	120	0	21.41	21.45	21.42	22.9
45	PI/2 BPSK	120	60	21.44	21.46	21.47	22.9
45	PI/2 BPSK	120	120	21.40	21.49	21.51	22.9
45	PI/2 BPSK	240	0	21.43	21.45	21.47	
45	QPSK	1	1	21.52	21.60	21.55	
45	QPSK	1	120	21.42	21.56	21.51	22.9
45	QPSK	1	240	21.45	21.55	21.46	
45	QPSK	120	0	21.39	21.50	21.42	22.9
45	QPSK	120	60	21.47	21.56	21.43	22.9
45	QPSK	120	120	21.41	21.48	21.41	22.9
45	QPSK	240	0	21.45	21.51	21.40	
45	16QAM	1	1	21.40	21.52	21.46	22.9
45	64QAM	1	1	21.51	21.58	21.51	22.9
45	256QAM	1	1	19.45	19.55	19.47	20.9
Channel				348000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	21.43	21.53	21.46	22.9
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.51	21.49	21.48	22.9
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.50	21.53	21.49	22.9
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.51	21.51	21.52	22.9
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.44	21.46	21.48	22.9
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.40	21.54	21.45	22.9
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.47	21.47	21.44	22.9
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.49	21.57	21.49	22.9

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.03	22.19	22.03	
45	PI/2 BPSK	1	120	22.00	22.15	22.05	23.2
45	PI/2 BPSK	1	240	22.07	22.14	21.97	
45	PI/2 BPSK	120	0	21.85	21.68	21.69	23.2
45	PI/2 BPSK	120	60	22.01	22.08	21.97	23.2
45	PI/2 BPSK	120	120	21.72	21.68	21.61	23.2
45	PI/2 BPSK	240	0	21.69	21.69	21.68	
45	QPSK	1	1	22.15	22.22	22.10	
45	QPSK	1	120	22.12	22.13	21.96	23.2
45	QPSK	1	240	22.10	22.10	22.08	
45	QPSK	120	0	22.04	22.11	21.98	23.2
45	QPSK	120	60	22.14	22.18	22.00	23.2
45	QPSK	120	120	22.13	22.15	21.97	23.2
45	QPSK	240	0	22.13	22.17	22.06	
45	16QAM	1	1	22.11	22.21	22.03	23.2
45	64QAM	1	1	21.44	21.54	21.63	22.7
45	256QAM	1	1	19.52	19.62	19.55	20.7
Channel				348000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	22.06	22.18	21.95	23.2
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.03	22.17	21.99	23.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.03	22.12	22.04	23.2
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.07	22.13	21.99	23.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.06	22.09	22.06	23.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.14	22.15	21.97	23.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.04	22.07	22.05	23.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.14	22.17	22.01	23.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.94	19.11	18.89	
45	PI/2 BPSK	1	120	18.94	19.06	18.96	20.2
45	PI/2 BPSK	1	240	18.93	19.11	18.97	
45	PI/2 BPSK	120	0	18.95	19.07	18.91	20.2
45	PI/2 BPSK	120	60	18.88	19.05	18.99	20.2
45	PI/2 BPSK	120	120	18.90	18.97	18.95	20.2
45	PI/2 BPSK	240	0	18.97	19.04	18.89	
45	QPSK	1	1	19.00	19.12	19.02	
45	QPSK	1	120	18.85	19.09	19.00	20.2
45	QPSK	1	240	18.96	19.10	18.99	
45	QPSK	120	0	18.85	19.07	18.93	20.2
45	QPSK	120	60	18.98	19.16	19.00	20.2
45	QPSK	120	120	18.95	18.97	18.98	20.2
45	QPSK	240	0	18.94	19.03	18.93	
45	16QAM	1	1	18.94	19.01	18.87	20.2
45	64QAM	1	1	18.89	19.01	18.87	20.2
45	256QAM	1	1	18.86	19.06	19.00	20.2
Channel				348000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	18.88	18.99	18.95	20.2
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	18.86	19.10	18.87	20.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	18.95	19.09	18.89	20.2
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.90	19.09	18.96	20.2
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	18.87	19.04	18.95	20.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.99	18.99	18.95	20.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	18.94	18.98	18.87	20.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	18.96	19.03	18.87	20.2

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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)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.14	21.21	21.13	
45	PI/2 BPSK	1	120	21.13	21.23	21.01	22.4
45	PI/2 BPSK	1	240	21.16	21.24	21.01	
45	PI/2 BPSK	120	0	21.04	21.21	21.01	22.4
45	PI/2 BPSK	120	60	21.11	21.10	21.01	22.4
45	PI/2 BPSK	120	120	21.16	21.16	21.02	22.4
45	PI/2 BPSK	240	0	21.07	21.11	21.11	
45	QPSK	1	1	21.19	21.25	21.15	
45	QPSK	1	120	21.17	21.10	21.10	22.4
45	QPSK	1	240	21.05	21.12	21.05	
45	QPSK	120	0	21.13	21.16	21.00	22.4
45	QPSK	120	60	21.17	21.23	21.09	22.4
45	QPSK	120	120	21.15	21.20	21.08	22.4
45	QPSK	240	0	21.12	21.15	21.05	
45	16QAM	1	1	21.14	21.22	21.05	22.4
45	64QAM	1	1	21.10	21.10	21.11	22.4
45	256QAM	1	1	19.51	19.64	19.64	20.9
Channel				348000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	21.04	21.13	21.14	22.4
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.13	21.18	21.14	22.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.06	21.23	21.05	22.4
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.04	21.24	21.05	22.4
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.17	21.15	21.06	22.4
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.06	21.14	21.01	22.4
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.05	21.13	21.13	22.4
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.05	21.11	21.12	22.4

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.98		
35	PI/2 BPSK	1	90		21.95		25.2
35	PI/2 BPSK	1	186		21.88		
35	PI/2 BPSK	90	0		21.91		24.7
35	PI/2 BPSK	90	45		21.98		25.2
35	PI/2 BPSK	90	90		21.81		24.7
35	PI/2 BPSK	180	0		21.92		
35	QPSK	1	1		23.57		
35	QPSK	1	90		23.51		25.2
35	QPSK	1	186		23.32		
35	QPSK	90	0		22.46		24.2
35	QPSK	90	45		23.41		25.2
35	QPSK	90	90		22.35		24.2
35	QPSK	180	0		22.39		
35	16QAM	1	1		22.31		24.2
35	64QAM	1	1		20.76		22.7
35	256QAM	1	1		18.92		20.7
Channel				135900	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	23.37	23.45	23.41	25.2
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	23.23	23.39	23.33	25.2
Channel				134800	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	23.33	23.36	23.23	25.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	23.32	23.36	23.36	25.2
Channel				133900	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	23.21	23.33	23.30	25.2
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	23.24	23.39	23.31	25.2

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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)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.33		
35	PI/2 BPSK	1	90		21.42		24.4
35	PI/2 BPSK	1	186		21.27		
35	PI/2 BPSK	90	0		21.39		23.9
35	PI/2 BPSK	90	45		21.33		24.4
35	PI/2 BPSK	90	90		21.29		23.9
35	PI/2 BPSK	180	0		21.28		
35	QPSK	1	1		22.80		
35	QPSK	1	90		22.87		24.4
35	QPSK	1	186		22.78		
35	QPSK	90	0		21.86		23.4
35	QPSK	90	45		22.87		24.4
35	QPSK	90	90		21.79		23.4
35	QPSK	180	0		21.71		
35	16QAM	1	1		21.52		23.4
35	64QAM	1	1		19.87		21.9
35	256QAM	1	1		17.91		19.9
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	22.78	22.82	22.76	24.4
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	QPSK	1	1	22.74	22.77	22.70	24.4
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	1	22.76	22.69	22.67	24.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	22.72	22.77	22.66	24.4
Channel				133600	136100	138620	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	22.75	22.75	22.64	24.4
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	22.72	22.79	22.62	24.4

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	19.59	19.63	19.58	20.9
40	PI/2 BPSK	1	53	19.44	19.46	19.43	
40	PI/2 BPSK	1	104	19.33	19.37	19.34	
40	PI/2 BPSK	50	0	19.56	19.57	19.53	20.9
40	PI/2 BPSK	50	28	19.42	19.47	19.41	20.9
40	PI/2 BPSK	50	56	19.39	19.42	19.39	
40	PI/2 BPSK	100	0	19.48	19.53	19.51	20.9
40	QPSK	1	1	19.75	19.78	19.75	
40	QPSK	1	53	19.47	19.48	19.42	20.9
40	QPSK	1	104	19.41	19.47	19.40	
40	QPSK	50	0	19.65	19.69	19.64	20.9
40	QPSK	50	28	19.68	19.71	19.66	20.9
40	QPSK	50	56	19.55	19.56	19.51	
40	QPSK	100	0	19.66	19.68	19.64	20.9
40	16QAM	1	1	19.52	19.54	19.51	20.9
40	64QAM	1	1	19.53	19.58	19.54	20.9
40	256QAM	1	1	19.46	19.48	19.42	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	19.65	19.68	19.63	20.9
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	19.63	19.69	19.66	20.9
Channel				516002	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	19.63	19.70	19.65	20.9
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	19.66	19.64	19.62	20.9
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	19.67	19.73	19.64	20.9

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	19.22	19.26	19.18	20.2
40	PI/2 BPSK	1	53	18.93	18.95	18.88	
40	PI/2 BPSK	1	104	19.05	19.11	19.01	
40	PI/2 BPSK	50	0	19.05	19.07	18.97	20.2
40	PI/2 BPSK	50	28	19.05	19.08	19.03	20.2
40	PI/2 BPSK	50	56	18.84	18.90	18.84	
40	PI/2 BPSK	100	0	19.14	19.15	19.07	20.2
40	QPSK	1	1	19.27	19.29	19.21	
40	QPSK	1	53	19.10	19.13	19.04	20.2
40	QPSK	1	104	19.11	19.16	19.08	
40	QPSK	50	0	19.04	19.09	19.00	20.2
40	QPSK	50	28	19.17	19.20	19.15	20.2
40	QPSK	50	56	19.02	19.03	18.96	
40	QPSK	100	0	19.09	19.15	19.07	20.2
40	16QAM	1	1	19.02	19.07	18.97	20.2
40	64QAM	1	1	19.04	19.10	19.05	20.2
40	256QAM	1	1	19.10	19.20	19.17	20.2
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	19.18	19.15	19.09	20.2
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	19.13	19.21	19.09	20.2
Channel				516002	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	19.17	19.21	19.11	20.2
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	19.22	19.18	19.13	20.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	19.15	19.24	19.07	20.2

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	16.96	16.98	16.94	17.7
40	PI/2 BPSK	1	53	16.68	16.72	16.68	
40	PI/2 BPSK	1	104	16.59	16.61	16.57	
40	PI/2 BPSK	50	0	16.89	16.90	16.86	17.7
40	PI/2 BPSK	50	28	16.82	16.81	16.80	17.7
40	PI/2 BPSK	50	56	16.61	16.61	16.57	
40	PI/2 BPSK	100	0	16.83	16.86	16.84	17.7
40	QPSK	1	1	16.97	17.01	16.95	
40	QPSK	1	53	16.73	16.77	16.74	17.7
40	QPSK	1	104	16.71	16.71	16.65	
40	QPSK	50	0	16.83	16.83	16.79	17.7
40	QPSK	50	28	16.86	16.89	16.85	17.7
40	QPSK	50	56	16.65	16.69	16.67	
40	QPSK	100	0	16.79	16.80	16.78	17.7
40	16QAM	1	1	16.81	16.84	16.79	17.7
40	64QAM	1	1	16.84	16.83	16.80	17.7
40	256QAM	1	1	16.92	16.90	16.81	17.7
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	16.91	16.92	16.90	17.7
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	16.84	16.88	16.90	17.7
Channel				516002	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	16.86	16.91	16.83	17.7
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	16.87	16.94	16.81	17.7
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	16.85	16.91	16.89	17.7

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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)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.53	20.57	20.52	21.4
40	PI/2 BPSK	1	53	20.32	20.36	20.28	
40	PI/2 BPSK	1	104	20.24	20.31	20.23	
40	PI/2 BPSK	50	0	20.34	20.38	20.30	21.4
40	PI/2 BPSK	50	28	20.43	20.45	20.42	21.4
40	PI/2 BPSK	50	56	20.19	20.22	20.16	
40	PI/2 BPSK	100	0	20.40	20.46	20.41	21.4
40	QPSK	1	1	20.58	20.63	20.60	
40	QPSK	1	53	20.35	20.41	20.37	21.4
40	QPSK	1	104	20.28	20.33	20.28	
40	QPSK	50	0	20.39	20.45	20.37	21.4
40	QPSK	50	28	20.44	20.51	20.47	21.4
40	QPSK	50	56	20.28	20.35	20.29	
40	QPSK	100	0	20.36	20.42	20.36	21.4
40	16QAM	1	1	20.35	20.41	20.33	21.4
40	64QAM	1	1	20.46	20.48	20.40	21.4
40	256QAM	1	1	19.88	19.90	19.82	20.9
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.44	20.51	20.45	21.4
Channel				516504	519000	521496	Tune-up limit (dBm)
Frequency (MHz)				2582.52	2595	2607.48	
25	QPSK	1	1	20.46	20.55	20.50	21.4
Channel				516002	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	20.45	20.54	20.50	21.4
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	20.48	20.54	20.49	21.4
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	20.49	20.49	20.50	21.4

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.55	20.88	20.84	22.2
100	PI/2 BPSK	1	137	20.56	20.84	20.78	
100	PI/2 BPSK	1	271	20.72	21.02	20.95	
100	PI/2 BPSK	135	0	20.28	20.58	20.54	22.2
100	PI/2 BPSK	135	69	20.47	20.80	20.75	22.2
100	PI/2 BPSK	135	138	20.51	20.84	20.82	22.2
100	PI/2 BPSK	270	0	20.39	20.70	20.63	
100	QPSK	1	1	20.73	21.04	21.00	22.2
100	QPSK	1	137	20.57	20.87	20.80	
100	QPSK	1	271	20.60	20.89	20.86	
100	QPSK	135	0	20.52	20.82	20.79	22.2
100	QPSK	135	69	20.58	20.87	20.82	22.2
100	QPSK	135	138	20.51	20.84	20.82	22.2
100	QPSK	270	0	20.43	20.74	20.72	
100	16QAM	1	1	20.57	20.86	20.81	22.2
100	64QAM	1	1	20.52	20.82	20.79	22.2
100	256QAM	1	1	20.26	20.92	20.85	22.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	20.59	20.72	20.74	22.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.62	20.81	20.67	22.2
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.63	20.76	20.68	22.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	20.60	20.75	20.74	22.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	20.59	20.82	20.74	22.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	20.63	20.82	20.69	22.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.67	20.82	20.74	22.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	20.63	20.78	20.69	22.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.66	20.80	20.75	22.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	20.58	20.77	20.70	22.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	20.62	20.74	20.68	22.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	20.59	20.73	20.70	22.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.64	20.82	20.74	22.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.55	20.88	20.84	22.2
100	PI/2 BPSK	1	137	20.56	20.84	20.78	
100	PI/2 BPSK	1	271	20.72	21.02	20.95	
100	PI/2 BPSK	135	0	20.28	20.58	20.54	22.2
100	PI/2 BPSK	135	69	20.47	20.80	20.75	22.2
100	PI/2 BPSK	135	138	20.51	20.84	20.82	22.2
100	PI/2 BPSK	270	0	20.39	20.70	20.63	
100	QPSK	1	1	20.73	21.04	21.00	22.2
100	QPSK	1	137	20.57	20.87	20.80	
100	QPSK	1	271	20.60	20.89	20.86	
100	QPSK	135	0	20.52	20.82	20.79	22.2
100	QPSK	135	69	20.58	20.87	20.82	22.2
100	QPSK	135	138	20.51	20.84	20.82	22.2
100	QPSK	270	0	20.43	20.74	20.72	
100	16QAM	1	1	20.57	20.86	20.81	22.2
100	64QAM	1	1	20.52	20.82	20.79	22.2
100	256QAM	1	1	20.26	20.92	20.85	22.2
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	20.59	20.72	20.74	22.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.62	20.80	20.67	22.2
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.63	20.76	20.68	22.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	20.60	20.75	20.74	22.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	20.59	20.78	20.74	22.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	20.63	20.75	20.69	22.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.67	20.79	20.74	22.2
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	20.63	20.78	20.69	22.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.66	20.80	20.75	22.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	20.58	20.77	20.70	22.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	20.62	20.74	20.68	22.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	20.59	20.73	20.70	22.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.64	20.80	20.74	22.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.06	19.30	19.22	20.7
100	PI/2 BPSK	1	137	19.02	19.26	19.07	
100	PI/2 BPSK	1	271	18.99	19.27	19.06	
100	PI/2 BPSK	135	0	18.86	19.13	19.01	20.7
100	PI/2 BPSK	135	69	19.00	19.23	19.12	20.7
100	PI/2 BPSK	135	138	18.97	19.24	19.01	20.7
100	PI/2 BPSK	270	0	18.89	19.16	19.01	
100	QPSK	1	1	19.18	19.43	19.29	20.7
100	QPSK	1	137	19.09	19.37	19.14	
100	QPSK	1	271	19.12	19.36	19.15	
100	QPSK	135	0	19.02	19.27	19.10	20.7
100	QPSK	135	69	19.15	19.38	19.24	20.7
100	QPSK	135	138	19.07	19.31	19.16	20.7
100	QPSK	270	0	18.95	19.23	19.13	
100	16QAM	1	1	19.10	19.37	19.17	20.7
100	64QAM	1	1	19.09	19.34	19.19	20.7
100	256QAM	1	1	18.80	19.32	19.19	20.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	19.09	19.27	19.18	20.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	19.04	19.24	19.18	20.7
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	19.08	19.28	19.16	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	19.08	19.23	19.22	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	19.08	19.28	19.15	20.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	19.04	19.20	19.21	20.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	19.12	19.19	19.22	20.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	19.06	19.18	19.23	20.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	19.11	19.25	19.21	20.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	19.13	19.20	19.17	20.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	19.05	19.28	19.15	20.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	19.05	19.21	19.17	20.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	19.10	19.27	19.23	20.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.06	19.30	19.22	20.7
100	PI/2 BPSK	1	137	19.02	19.26	19.07	
100	PI/2 BPSK	1	271	18.99	19.27	19.06	
100	PI/2 BPSK	135	0	18.86	19.13	19.01	20.7
100	PI/2 BPSK	135	69	19.00	19.23	19.12	20.7
100	PI/2 BPSK	135	138	18.97	19.24	19.01	20.7
100	PI/2 BPSK	270	0	18.89	19.16	19.01	
100	QPSK	1	1	19.18	19.43	19.29	20.7
100	QPSK	1	137	19.09	19.37	19.14	
100	QPSK	1	271	19.12	19.36	19.15	
100	QPSK	135	0	19.02	19.27	19.10	20.7
100	QPSK	135	69	19.15	19.38	19.24	20.7
100	QPSK	135	138	19.07	19.31	19.16	20.7
100	QPSK	270	0	18.95	19.23	19.13	
100	16QAM	1	1	19.10	19.37	19.17	20.7
100	64QAM	1	1	19.09	19.34	19.19	20.7
100	256QAM	1	1	18.80	19.32	19.19	20.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	19.09	19.27	19.18	20.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	19.04	19.24	19.18	20.7
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	19.08	19.28	19.16	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	19.08	19.23	19.22	20.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
50	QPSK	1	1	19.08	19.28	19.15	20.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	19.04	19.20	19.21	20.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	19.12	19.19	19.22	20.7
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	19.06	19.18	19.23	20.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	19.11	19.25	19.21	20.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	19.13	19.20	19.17	20.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	19.05	19.28	19.15	20.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	19.05	19.21	19.17	20.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	19.10	19.27	19.23	20.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.03	16.11	16.07	17.7
100	PI/2 BPSK	1	137	15.86	15.94	15.93	
100	PI/2 BPSK	1	271	15.95	15.98	15.94	
100	PI/2 BPSK	135	0	15.86	15.94	15.84	17.7
100	PI/2 BPSK	135	69	16.04	16.07	15.96	17.7
100	PI/2 BPSK	135	138	15.87	15.90	15.81	17.7
100	PI/2 BPSK	270	0	15.98	15.99	15.82	17.7
100	QPSK	1	1	16.14	16.18	16.10	17.7
100	QPSK	1	137	15.96	16.04	15.98	
100	QPSK	1	271	16.00	16.07	15.99	
100	QPSK	135	0	16.01	16.04	15.93	17.7
100	QPSK	135	69	16.08	16.12	16.02	17.7
100	QPSK	135	138	15.96	16.04	15.90	
100	QPSK	270	0	15.98	16.06	15.88	
100	16QAM	1	1	16.06	16.09	16.09	17.7
100	64QAM	1	1	16.08	16.13	16.02	17.7
100	256QAM	1	1	16.05	16.08	16.01	17.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	16.07	16.11	16.02	17.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	16.06	16.11	15.97	17.7
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	16.05	16.05	15.98	17.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	16.05	16.05	15.97	17.7
Channel				504204	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2659.98	
50	QPSK	1	1	16.08	16.08	15.95	17.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	16.04	16.05	16.05	17.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	16.05	16.03	15.97	17.7
Channel				502704	518598	534492	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	16.00	16.12	16.01	17.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	16.02	16.10	15.99	17.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	16.01	16.11	16.04	17.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	16.09	16.07	16.03	17.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	16.02	16.10	15.99	17.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	15.99	16.06	15.95	17.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.03	16.11	16.07	17.7
100	PI/2 BPSK	1	137	15.86	15.94	15.93	
100	PI/2 BPSK	1	271	15.95	15.98	15.94	
100	PI/2 BPSK	135	0	15.86	15.94	15.84	17.7
100	PI/2 BPSK	135	69	16.04	16.07	15.96	17.7
100	PI/2 BPSK	135	138	15.87	15.90	15.81	17.7
100	PI/2 BPSK	270	0	15.96	15.99	15.82	17.7
100	QPSK	1	1	16.14	16.18	16.10	17.7
100	QPSK	1	137	15.96	16.04	15.98	
100	QPSK	1	271	16.00	16.07	15.99	
100	QPSK	135	0	16.01	16.04	15.93	17.7
100	QPSK	135	69	16.08	16.12	16.02	17.7
100	QPSK	135	138	15.96	16.04	15.90	
100	QPSK	270	0	15.98	16.06	15.88	
100	16QAM	1	1	16.06	16.09	16.09	17.7
100	64QAM	1	1	16.08	16.13	16.02	17.7
100	256QAM	1	1	16.05	16.06	16.01	17.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	16.07	16.11	16.02	17.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	16.06	16.11	15.97	17.7
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	16.05	16.05	15.98	17.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	16.05	16.05	15.97	17.7
Channel				504204	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2659.98	
50	QPSK	1	1	16.08	16.08	15.95	17.7
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	16.04	16.05	16.05	17.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	16.05	16.03	15.97	17.7
Channel				502704	518598	534492	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	16.00	16.12	16.01	17.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	16.02	16.10	15.99	17.7
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	16.01	16.11	16.04	17.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	16.09	16.07	16.03	17.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	16.02	16.10	15.99	17.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	15.99	16.06	15.95	17.7

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.57	21.61	21.51	23.2
100	PI/2 BPSK	1	137	21.42	21.46	21.43	
100	PI/2 BPSK	1	271	21.53	21.54	21.35	
100	PI/2 BPSK	135	0	21.41	21.47	21.23	23.2
100	PI/2 BPSK	135	69	21.45	21.51	21.42	23.2
100	PI/2 BPSK	135	138	21.37	21.39	21.35	23.2
100	PI/2 BPSK	270	0	21.39	21.40	21.26	23.2
100	QPSK	1	1	21.71	21.74	21.63	23.2
100	QPSK	1	137	21.60	21.61	21.54	
100	QPSK	1	271	21.63	21.68	21.50	
100	QPSK	135	0	21.59	21.60	21.36	23.2
100	QPSK	135	69	21.61	21.66	21.50	23.2
100	QPSK	135	138	21.47	21.51	21.43	23.2
100	QPSK	270	0	21.46	21.51	21.41	23.2
100	16QAM	1	1	21.60	21.57	21.37	23.2
100	64QAM	1	1	21.29	21.59	21.37	23.2
100	256QAM	1	1	19.32	21.46	21.41	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.56	21.64	21.53	23.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.64	21.68	21.54	23.2
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.59	21.69	21.51	23.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.59	21.63	21.49	23.2
Channel				504204	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2659.98	
50	QPSK	1	1	21.59	21.60	21.56	23.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	21.63	21.62	21.58	23.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.60	21.59	21.52	23.2
Channel				502704	518598	534492	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	21.58	21.68	21.52	23.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.60	21.60	21.53	23.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	21.63	21.67	21.58	23.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.59	21.65	21.49	23.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	21.65	21.67	21.55	23.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	21.66	21.62	21.54	23.2

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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)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.57	21.61	21.51	23.2
100	PI/2 BPSK	1	137	21.42	21.46	21.43	
100	PI/2 BPSK	1	271	21.53	21.54	21.35	
100	PI/2 BPSK	135	0	21.41	21.47	21.23	23.2
100	PI/2 BPSK	135	69	21.45	21.51	21.42	23.2
100	PI/2 BPSK	135	138	21.37	21.39	21.35	23.2
100	PI/2 BPSK	270	0	21.39	21.40	21.26	23.2
100	QPSK	1	1	21.71	21.74	21.63	23.2
100	QPSK	1	137	21.60	21.61	21.54	
100	QPSK	1	271	21.63	21.68	21.50	
100	QPSK	135	0	21.59	21.60	21.36	23.2
100	QPSK	135	69	21.61	21.66	21.50	23.2
100	QPSK	135	138	21.47	21.51	21.43	23.2
100	QPSK	270	0	21.46	21.51	21.41	23.2
100	16QAM	1	1	21.60	21.57	21.37	23.2
100	64QAM	1	1	21.29	21.59	21.37	23.2
100	256QAM	1	1	19.32	21.46	21.41	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.56	21.64	21.53	23.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.64	21.68	21.54	23.2
Channel				506202	518598	531002	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.59	21.69	21.51	23.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	21.59	21.63	21.49	23.2
Channel				504204	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2659.98	
50	QPSK	1	1	21.59	21.60	21.56	23.2
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	QPSK	1	1	21.63	21.62	21.58	23.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.60	21.59	21.52	23.2
Channel				502704	518598	534492	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	21.58	21.68	21.52	23.2
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	21.60	21.60	21.53	23.2
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	21.63	21.67	21.58	23.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.59	21.65	21.49	23.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	21.65	21.67	21.55	23.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	21.66	21.62	21.54	23.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	20.03	20.05	20.08	
40	Pi/2 BPSK	1	53	19.81	20.02	19.83	21.2
40	Pi/2 BPSK	1	104	19.77	19.90	19.89	
40	Pi/2 BPSK	50	0	19.71	19.93	19.93	21.2
40	Pi/2 BPSK	50	28	19.86	19.94	19.85	21.2
40	Pi/2 BPSK	50	56	19.78	19.90	19.80	21.2
40	Pi/2 BPSK	100	0	19.69	19.90	19.89	
40	QPSK	1	1	20.06	20.16	20.06	
40	QPSK	1	53	19.86	20.12	19.97	21.2
40	QPSK	1	104	19.84	20.03	19.93	
40	QPSK	50	0	19.91	19.94	19.98	21.2
40	QPSK	50	28	20.00	20.12	20.10	21.2
40	QPSK	50	56	19.79	19.96	19.99	21.2
40	QPSK	100	0	19.81	19.98	19.96	21.2
40	16QAM	1	1	19.87	20.08	19.97	21.2
40	64QAM	1	1	19.88	20.11	20.00	21.2
40	256QAM	1	1	19.57	19.72	19.60	20.2
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	QPSK	1	1	19.93	20.09	19.99	21.2
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	QPSK	1	1	19.96	20.03	20.01	21.2
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	QPSK	1	1	19.89	20.06	19.96	21.2
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	QPSK	1	1	19.90	20.09	20.00	21.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	15.99	16.14	16.03	
40	Pi/2 BPSK	1	53	15.93	15.99	15.98	17.2
40	Pi/2 BPSK	1	104	15.91	16.00	16.01	
40	Pi/2 BPSK	50	0	15.85	15.95	15.82	17.2
40	Pi/2 BPSK	50	28	15.88	16.05	15.97	17.2
40	Pi/2 BPSK	50	56	15.83	15.97	15.85	17.2
40	Pi/2 BPSK	100	0	15.80	15.87	15.77	
40	QPSK	1	1	16.12	16.20	16.18	
40	QPSK	1	53	16.06	16.11	16.10	17.2
40	QPSK	1	104	15.99	16.07	16.11	
40	QPSK	50	0	15.91	16.05	15.95	17.2
40	QPSK	50	28	16.03	16.10	16.04	17.2
40	QPSK	50	56	15.92	16.02	15.90	17.2
40	QPSK	100	0	15.90	15.96	15.89	17.2
40	16QAM	1	1	16.03	16.05	16.06	17.2
40	64QAM	1	1	16.07	16.07	16.08	17.2
40	256QAM	1	1	16.03	16.06	16.12	17.2
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	QPSK	1	1	16.05	16.05	16.08	17.2
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	QPSK	1	1	16.05	16.14	16.12	17.2
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	QPSK	1	1	16.00	16.14	16.13	17.2
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	QPSK	1	1	16.06	16.05	16.09	17.2

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	16.47	16.54	16.53	
40	Pi/2 BPSK	1	53	16.35	16.53	16.56	17.7
40	Pi/2 BPSK	1	104	16.42	16.52	16.48	
40	Pi/2 BPSK	50	0	16.26	16.36	16.31	17.7
40	Pi/2 BPSK	50	28	16.35	16.49	16.46	17.7
40	Pi/2 BPSK	50	56	16.31	16.49	16.36	17.7
40	Pi/2 BPSK	100	0	16.26	16.36	16.40	
40	QPSK	1	1	16.65	16.69	16.68	
40	QPSK	1	53	16.45	16.60	16.63	17.7
40	QPSK	1	104	16.50	16.58	16.59	
40	QPSK	50	0	16.35	16.50	16.44	17.7
40	QPSK	50	28	16.47	16.61	16.54	17.7
40	QPSK	50	56	16.36	16.55	16.41	17.7
40	QPSK	100	0	16.41	16.49	16.45	17.7
40	16QAM	1	1	16.55	16.59	16.58	17.7
40	64QAM	1	1	16.48	16.54	16.57	17.7
40	256QAM	1	1	16.55	16.59	16.57	17.7
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	QPSK	1	1	16.48	16.64	16.55	17.7
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	QPSK	1	1	16.49	16.61	16.60	17.7
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	QPSK	1	1	16.46	16.61	16.60	17.7
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	QPSK	1	1	16.50	16.64	16.61	17.7

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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)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	14.95	15.04	14.95	
40	Pi/2 BPSK	1	53	14.77	14.92	14.87	15.7
40	Pi/2 BPSK	1	104	14.91	14.95	14.91	
40	Pi/2 BPSK	50	0	14.74	14.90	14.79	15.7
40	Pi/2 BPSK	50	28	14.76	14.92	14.86	15.7
40	Pi/2 BPSK	50	56	14.81	14.85	14.73	15.7
40	Pi/2 BPSK	100	0	14.77	14.94	14.75	
40	QPSK	1	1	15.01	15.11	15.06	
40	QPSK	1	53	14.86	15.00	14.99	15.7
40	QPSK	1	104	14.96	15.06	15.01	
40	QPSK	50	0	14.82	14.98	14.87	15.7
40	QPSK	50	28	14.85	15.05	14.95	15.7
40	QPSK	50	56	14.74	14.94	14.86	15.7
40	QPSK	100	0	14.82	15.00	14.88	15.7
40	16QAM	1	1	14.89	15.06	14.93	15.7
40	64QAM	1	1	14.96	15.06	15.00	15.7
40	256QAM	1	1	14.90	14.97	15.00	15.7
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	QPSK	1	1	14.86	15.06	14.95	15.7
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	QPSK	1	1	14.92	14.96	14.99	15.7
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	QPSK	1	1	14.87	15.02	15.02	15.7
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	QPSK	1	1	14.92	15.04	14.93	15.7

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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)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		18.69		19.7
100	PI/2 BPSK	1	137		18.62		
100	PI/2 BPSK	1	271		18.56		
100	PI/2 BPSK	135	0		18.57		19.7
100	PI/2 BPSK	135	69		18.60		19.7
100	PI/2 BPSK	135	138		18.40		19.7
100	PI/2 BPSK	270	0		18.53		
100	QPSK	1	1		18.77		19.7
100	QPSK	1	137		18.70		
100	QPSK	1	271		18.66		
100	QPSK	135	0		18.64		19.7
100	QPSK	135	69		18.69		19.7
100	QPSK	135	138		18.55		19.7
100	QPSK	270	0		18.63		
100	16QAM	1	1		18.65		19.7
100	64QAM	1	1		18.69		19.7
100	256QAM	1	1		18.69		19.7
	Channel			633000	633332	633666	Tune-up limit (dBm)
	Frequency (MHz)			3495	3499.98	3504.99	
90	QPSK	1	1	18.62	18.62	18.48	19.7
	Channel			632668	633332	634000	Tune-up limit (dBm)
	Frequency (MHz)			3490.02	3499.98	3510	
80	QPSK	1	1	18.60	18.68	18.50	19.7
	Channel			632234	633332	634432	Tune-up limit (dBm)
	Frequency (MHz)			3485.01	3499.98	3514.98	
70	QPSK	1	1	18.62	18.65	18.54	19.7
	Channel			632000	633332	634666	Tune-up limit (dBm)
	Frequency (MHz)			3480	3499.98	3519.99	
60	QPSK	1	1	18.67	18.69	18.52	19.7
	Channel			631668	633332	635000	Tune-up limit (dBm)
	Frequency (MHz)			3475.02	3499.98	3525	
50	QPSK	1	1	18.61	18.64	18.48	19.7
	Channel			631334	633332	635332	Tune-up limit (dBm)
	Frequency (MHz)			3470.01	3499.98	3529.98	
40	QPSK	1	1	18.69	18.68	18.51	19.7
	Channel			631000	633332	635666	Tune-up limit (dBm)
	Frequency (MHz)			3465	3499.98	3534.99	
30	QPSK	1	1	18.64	18.70	18.48	19.7
	Channel			630834	633332	635832	Tune-up limit (dBm)
	Frequency (MHz)			3462.51	3499.98	3537.48	
25	QPSK	1	1	18.70	18.64	18.52	19.7
	Channel			630668	633332	636000	Tune-up limit (dBm)
	Frequency (MHz)			3460.02	3499.98	3540	
20	QPSK	1	1	18.68	18.64	18.53	19.7
	Channel			630500	633332	636166	Tune-up limit (dBm)
	Frequency (MHz)			3457.5	3499.98	3542.49	
15	QPSK	1	1	18.68	18.62	18.51	19.7
	Channel			630334	633332	636332	Tune-up limit (dBm)
	Frequency (MHz)			3455.01	3499.98	3544.98	
10	QPSK	1	1	18.62	18.64	18.52	19.7

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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)
	Channel			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	18.38	18.16	17.80	19.7
100	PI/2 BPSK	1	137	18.23	18.18	17.86	
100	PI/2 BPSK	1	271	18.18	18.09	17.87	
100	PI/2 BPSK	135	0	18.07	17.97	17.79	19.7
100	PI/2 BPSK	135	69	18.20	18.09	17.86	19.7
100	PI/2 BPSK	135	138	18.04	18.05	17.76	
100	PI/2 BPSK	270	0	18.08	17.94	17.72	19.7
100	QPSK	1	1	18.44	18.31	17.98	
100	QPSK	1	137	18.35	18.23	17.81	
100	QPSK	1	271	18.31	18.19	17.75	
100	QPSK	135	0	18.16	18.05	17.64	19.7
100	QPSK	135	69	18.29	18.17	17.77	19.7
100	QPSK	135	138	18.18	18.12	17.68	
100	QPSK	270	0	18.15	18.07	17.65	19.7
100	16QAM	1	1	18.36	18.24	17.80	19.7
100	64QAM	1	1	18.36	18.23	17.79	19.7
100	256QAM	1	1	18.29	18.19	17.79	19.7
	Channel			649668	656000	662332	Tune-up limit (dBm)
	Frequency (MHz)			3745.02	3840	3934.98	
90	QPSK	1	1	18.35	18.21	17.75	19.7
	Channel			649334	656000	662666	Tune-up limit (dBm)
	Frequency (MHz)			3740.01	3840	3939.99	
80	QPSK	1	1	18.39	18.20	17.79	19.7
	Channel			649002	656000	663002	Tune-up limit (dBm)
	Frequency (MHz)			3735	3840	3945	
70	QPSK	1	1	18.32	18.20	17.76	19.7
	Channel			648668	656000	663332	Tune-up limit (dBm)
	Frequency (MHz)			3730.02	3840	3949.98	
60	QPSK	1	1	18.35	18.26	17.74	19.7
	Channel			648334	656000	663666	Tune-up limit (dBm)
	Frequency (MHz)			3725.01	3840	3954.99	
50	QPSK	1	1	18.32	18.23	17.83	19.7
	Channel			648000	656000	664000	Tune-up limit (dBm)
	Frequency (MHz)			3720	3840	3960	
40	QPSK	1	1	18.35	18.21	17.80	19.7
	Channel			647668	656000	664332	Tune-up limit (dBm)
	Frequency (MHz)			3715.02	3840	3964.98	
30	QPSK	1	1	18.31	18.22	17.77	19.7
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3712.5	3840	3967.5	
25	QPSK	1	1	18.37	18.24	17.83	19.7
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3710.01	3840	3969.99	
20	QPSK	1	1	18.31	18.26	17.76	19.7
	Channel			647168	656000	664832	Tune-up limit (dBm)
	Frequency (MHz)			3707.52	3840	3972.48	
15	QPSK	1	1	18.30	18.18	17.76	19.7
	Channel			647000	656000	665000	Tune-up limit (dBm)
	Frequency (MHz)			3705	3840	3975	
10	QPSK	1	1	18.33	18.21	17.81	19.7

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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)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		18.69		19.7
100	PI/2 BPSK	1	137		18.62		
100	PI/2 BPSK	1	271		18.56		
100	PI/2 BPSK	135	0		18.57		19.7
100	PI/2 BPSK	135	69		18.60		19.7
100	PI/2 BPSK	135	138		18.40		19.7
100	PI/2 BPSK	270	0		18.53		
100	QPSK	1	1		18.77		19.7
100	QPSK	1	137		18.70		
100	QPSK	1	271		18.66		
100	QPSK	135	0		18.64		19.7
100	QPSK	135	69		18.69		19.7
100	QPSK	135	138		18.55		19.7
100	QPSK	270	0		18.63		
100	16QAM	1	1		18.65		19.7
100	64QAM	1	1		18.69		19.7
100	256QAM	1	1		18.69		19.7
	Channel			633000	633332	633666	Tune-up limit (dBm)
	Frequency (MHz)			3495	3499.98	3504.99	
90	QPSK	1	1	18.62	18.62	18.48	19.7
	Channel			632668	633332	634000	Tune-up limit (dBm)
	Frequency (MHz)			3490.02	3499.98	3510	
80	QPSK	1	1	18.60	18.68	18.50	19.7
	Channel			632234	633332	634432	Tune-up limit (dBm)
	Frequency (MHz)			3485.01	3499.98	3514.98	
70	QPSK	1	1	18.62	18.65	18.54	19.7
	Channel			632000	633332	634666	Tune-up limit (dBm)
	Frequency (MHz)			3480	3499.98	3519.99	
60	QPSK	1	1	18.67	18.69	18.52	19.7
	Channel			631668	633332	635000	Tune-up limit (dBm)
	Frequency (MHz)			3475.02	3499.98	3525	
50	QPSK	1	1	18.61	18.64	18.48	19.7
	Channel			631334	633332	635332	Tune-up limit (dBm)
	Frequency (MHz)			3470.01	3499.98	3529.98	
40	QPSK	1	1	18.69	18.68	18.51	19.7
	Channel			631000	633332	635666	Tune-up limit (dBm)
	Frequency (MHz)			3465	3499.98	3534.99	
30	QPSK	1	1	18.64	18.70	18.48	19.7
	Channel			630834	633332	635832	Tune-up limit (dBm)
	Frequency (MHz)			3462.51	3499.98	3537.48	
25	QPSK	1	1	18.70	18.64	18.52	19.7
	Channel			630668	633332	636000	Tune-up limit (dBm)
	Frequency (MHz)			3460.02	3499.98	3540	
20	QPSK	1	1	18.68	18.64	18.53	19.7
	Channel			630500	633332	636166	Tune-up limit (dBm)
	Frequency (MHz)			3457.5	3499.98	3542.49	
15	QPSK	1	1	18.68	18.62	18.51	19.7
	Channel			630334	633332	636332	Tune-up limit (dBm)
	Frequency (MHz)			3455.01	3499.98	3544.98	
10	QPSK	1	1	18.62	18.64	18.52	19.7

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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)
	Channel			650000	656000	662000	
	Frequency (MHz)			3750	3840	3930	
100	PI/2 BPSK	1	1	18.38	18.16	17.80	19.7
100	PI/2 BPSK	1	137	18.23	18.18	17.86	
100	PI/2 BPSK	1	271	18.18	18.09	17.87	
100	PI/2 BPSK	135	0	18.07	17.97	17.79	19.7
100	PI/2 BPSK	135	69	18.20	18.09	17.86	19.7
100	PI/2 BPSK	135	138	18.04	18.05	17.76	
100	PI/2 BPSK	270	0	18.08	17.94	17.72	19.7
100	QPSK	1	1	18.44	18.31	17.98	
100	QPSK	1	137	18.35	18.23	17.81	
100	QPSK	1	271	18.31	18.19	17.75	
100	QPSK	135	0	18.16	18.05	17.64	19.7
100	QPSK	135	69	18.29	18.17	17.77	19.7
100	QPSK	135	138	18.18	18.12	17.68	
100	QPSK	270	0	18.15	18.07	17.65	19.7
100	16QAM	1	1	18.36	18.24	17.80	19.7
100	64QAM	1	1	18.36	18.23	17.79	19.7
100	256QAM	1	1	18.29	18.19	17.79	19.7
	Channel			649668	656000	662332	Tune-up limit (dBm)
	Frequency (MHz)			3745.02	3840	3934.98	
90	QPSK	1	1	18.35	18.21	17.75	19.7
	Channel			649334	656000	662666	Tune-up limit (dBm)
	Frequency (MHz)			3740.01	3840	3939.99	
80	QPSK	1	1	18.39	18.20	17.79	19.7
	Channel			649002	656000	663002	Tune-up limit (dBm)
	Frequency (MHz)			3735	3840	3945	
70	QPSK	1	1	18.32	18.20	17.76	19.7
	Channel			648668	656000	663332	Tune-up limit (dBm)
	Frequency (MHz)			3730.02	3840	3949.98	
60	QPSK	1	1	18.35	18.26	17.74	19.7
	Channel			648334	656000	663666	Tune-up limit (dBm)
	Frequency (MHz)			3725.01	3840	3954.99	
50	QPSK	1	1	18.32	18.23	17.83	19.7
	Channel			648000	656000	664000	Tune-up limit (dBm)
	Frequency (MHz)			3720	3840	3960	
40	QPSK	1	1	18.35	18.21	17.80	19.7
	Channel			647668	656000	664332	Tune-up limit (dBm)
	Frequency (MHz)			3715.02	3840	3964.98	
30	QPSK	1	1	18.31	18.22	17.77	19.7
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3712.5	3840	3967.5	
25	QPSK	1	1	18.37	18.24	17.83	19.7
	Channel			647334	656000	664666	Tune-up limit (dBm)
	Frequency (MHz)			3710.01	3840	3969.99	
20	QPSK	1	1	18.31	18.26	17.76	19.7
	Channel			647168	656000	664832	Tune-up limit (dBm)
	Frequency (MHz)			3707.52	3840	3972.48	
15	QPSK	1	1	18.30	18.18	17.76	19.7
	Channel			647000	656000	665000	Tune-up limit (dBm)
	Frequency (MHz)			3705	3840	3975	
10	QPSK	1	1	18.33	18.21	17.81	19.7

Part27Q_n77_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.59		15.7
100	PI/2 BPSK	1	137		14.48		
100	PI/2 BPSK	1	271		14.47		
100	PI/2 BPSK	135	0		14.40		15.7
100	PI/2 BPSK	135	69		14.57		15.7
100	PI/2 BPSK	135	138		14.46		15.7
100	PI/2 BPSK	270	0		14.44		
100	QPSK	1	1		14.71		15.7
100	QPSK	1	137		14.57		
100	QPSK	1	271		14.60		
100	QPSK	135	0		14.55		15.7
100	QPSK	135	69		14.62		15.7
100	QPSK	135	138		14.56		15.7
100	QPSK	270	0		14.55		
100	16QAM	1	1		14.56		15.7
100	64QAM	1	1		14.57		15.7
100	256QAM	1	1		14.63		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.63	14.66	14.58	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.58	14.58	14.63	15.7
Channel				632234	633332	634432	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.64	14.64	14.65	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.59	14.59	14.59	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.60	14.60	14.58	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.62	14.66	14.62	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.58	14.60	14.67	15.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.63	14.56	14.63	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.62	14.58	14.60	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.59	14.58	14.62	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.66	14.66	14.58	15.7

Part27O_n77_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.89	14.63	14.73	15.7
100	PI/2 BPSK	1	137	14.84	14.58	14.51	
100	PI/2 BPSK	1	271	14.79	14.62	14.51	
100	PI/2 BPSK	135	0	14.76	14.49	14.49	15.7
100	PI/2 BPSK	135	69	14.81	14.56	14.54	15.7
100	PI/2 BPSK	135	138	14.80	14.48	14.44	15.7
100	PI/2 BPSK	270	0	14.76	14.47	14.47	
100	QPSK	1	1	15.01	14.75	14.80	15.7
100	QPSK	1	137	14.95	14.70	14.66	
100	QPSK	1	271	14.94	14.69	14.68	
100	QPSK	135	0	14.82	14.59	14.60	15.7
100	QPSK	135	69	14.96	14.68	14.67	15.7
100	QPSK	135	138	14.85	14.62	14.55	15.7
100	QPSK	270	0	14.90	14.59	14.61	
100	16QAM	1	1	14.94	14.70	14.73	15.7
100	64QAM	1	1	14.89	14.67	14.74	15.7
100	256QAM	1	1	14.95	14.64	14.70	15.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	14.92	14.67	14.75	15.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	14.94	14.70	14.75	15.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	14.91	14.60	14.68	15.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	14.93	14.61	14.68	15.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	14.89	14.68	14.66	15.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	14.87	14.68	14.74	15.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	14.89	14.68	14.68	15.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	14.93	14.67	14.65	15.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	14.90	14.68	14.74	15.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	14.89	14.69	14.69	15.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	14.88	14.60	14.75	15.7

Part27Q_n77(HPUE)_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.59		15.7
100	PI/2 BPSK	1	137		14.48		
100	PI/2 BPSK	1	271		14.47		
100	PI/2 BPSK	135	0		14.40		15.7
100	PI/2 BPSK	135	69		14.57		15.7
100	PI/2 BPSK	135	138		14.46		15.7
100	PI/2 BPSK	270	0		14.44		
100	QPSK	1	1		14.71		15.7
100	QPSK	1	137		14.57		
100	QPSK	1	271		14.60		
100	QPSK	135	0		14.55		15.7
100	QPSK	135	69		14.62		15.7
100	QPSK	135	138		14.56		15.7
100	QPSK	270	0		14.55		
100	16QAM	1	1		14.56		15.7
100	64QAM	1	1		14.57		15.7
100	256QAM	1	1		14.63		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.63	14.66	14.58	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.58	14.58	14.63	15.7
Channel				632234	633332	634432	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.64	14.64	14.65	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.59	14.59	14.59	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.60	14.60	14.58	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.62	14.66	14.62	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.58	14.60	14.67	15.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.63	14.56	14.63	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.62	14.58	14.60	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.59	14.58	14.62	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.66	14.66	14.58	15.7

Part27O_n77(HPUE)_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.89	14.63	14.73	15.7
100	PI/2 BPSK	1	137	14.84	14.58	14.51	
100	PI/2 BPSK	1	271	14.79	14.62	14.51	
100	PI/2 BPSK	135	0	14.76	14.49	14.49	15.7
100	PI/2 BPSK	135	69	14.81	14.56	14.54	15.7
100	PI/2 BPSK	135	138	14.80	14.48	14.44	15.7
100	PI/2 BPSK	270	0	14.76	14.47	14.47	
100	QPSK	1	1	15.01	14.75	14.80	15.7
100	QPSK	1	137	14.95	14.70	14.66	
100	QPSK	1	271	14.94	14.69	14.68	
100	QPSK	135	0	14.82	14.59	14.60	15.7
100	QPSK	135	69	14.96	14.68	14.67	15.7
100	QPSK	135	138	14.85	14.62	14.55	15.7
100	QPSK	270	0	14.90	14.59	14.61	
100	16QAM	1	1	14.94	14.70	14.73	15.7
100	64QAM	1	1	14.89	14.67	14.74	15.7
100	256QAM	1	1	14.95	14.64	14.70	15.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	14.92	14.67	14.75	15.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	14.94	14.70	14.75	15.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	14.91	14.60	14.68	15.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	14.93	14.61	14.68	15.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	14.89	14.68	14.66	15.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	14.87	14.68	14.74	15.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	14.89	14.68	14.68	15.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	14.93	14.67	14.65	15.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	14.90	14.68	14.74	15.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	14.89	14.69	14.69	15.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	14.88	14.60	14.75	15.7

Part27Q_n77_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.67		17.7
100	PI/2 BPSK	1	137		16.52		
100	PI/2 BPSK	1	271		16.47		
100	PI/2 BPSK	135	0		16.40		17.7
100	PI/2 BPSK	135	69		16.61		17.7
100	PI/2 BPSK	135	138		16.46		17.7
100	PI/2 BPSK	270	0		16.38		
100	QPSK	1	1		16.74		17.7
100	QPSK	1	137		16.65		
100	QPSK	1	271		16.60		
100	QPSK	135	0		16.55		17.7
100	QPSK	135	69		16.67		17.7
100	QPSK	135	138		16.54		17.7
100	QPSK	270	0		16.52		
100	16QAM	1	1		16.63		17.7
100	64QAM	1	1		16.65		17.7
100	256QAM	1	1		16.50		17.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	16.60	16.60	16.55	17.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	16.58	16.61	16.55	17.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	16.63	16.64	16.53	17.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	16.59	16.64	16.58	17.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	16.65	16.59	16.56	17.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	16.60	16.61	16.54	17.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	16.66	16.69	16.52	17.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	16.64	16.66	16.61	17.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	16.65	16.61	16.62	17.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	16.59	16.66	16.57	17.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	16.63	16.67	16.58	17.7

Part27O_n77_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.81	16.65	16.75	17.7
100	PI/2 BPSK	1	137	16.75	16.47	16.71	
100	PI/2 BPSK	1	271	16.73	16.56	16.62	
100	PI/2 BPSK	135	0	16.59	16.39	16.47	17.7
100	PI/2 BPSK	135	69	16.66	16.43	16.65	17.7
100	PI/2 BPSK	135	138	16.55	16.49	16.50	17.7
100	PI/2 BPSK	270	0	16.54	16.41	16.49	
100	QPSK	1	1	16.86	16.72	16.86	17.7
100	QPSK	1	137	16.81	16.61	16.80	
100	QPSK	1	271	16.80	16.64	16.75	
100	QPSK	135	0	16.70	16.52	16.62	17.7
100	QPSK	135	69	16.72	16.58	16.70	17.7
100	QPSK	135	138	16.64	16.55	16.60	17.7
100	QPSK	270	0	16.66	16.49	16.62	
100	16QAM	1	1	16.79	16.63	16.71	17.7
100	64QAM	1	1	16.73	16.64	16.74	17.7
100	256QAM	1	1	16.79	16.61	16.74	17.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	16.73	16.59	16.70	17.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	16.80	16.57	16.77	17.7
Channel				649000	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	16.73	16.59	16.80	17.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	16.73	16.66	16.70	17.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	16.79	16.62	16.71	17.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	16.76	16.57	16.80	17.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	16.73	16.61	16.76	17.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	16.74	16.60	16.79	17.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	16.78	16.62	16.77	17.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	16.71	16.62	16.79	17.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	16.79	16.58	16.76	17.7

Part27Q_n77(HPUE)_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.67		17.7
100	PI/2 BPSK	1	137		16.52		
100	PI/2 BPSK	1	271		16.47		
100	PI/2 BPSK	135	0		16.40		17.7
100	PI/2 BPSK	135	69		16.61		17.7
100	PI/2 BPSK	135	138		16.46		17.7
100	PI/2 BPSK	270	0		16.38		
100	QPSK	1	1		16.74		17.7
100	QPSK	1	137		16.65		
100	QPSK	1	271		16.60		
100	QPSK	135	0		16.55		17.7
100	QPSK	135	69		16.67		17.7
100	QPSK	135	138		16.54		17.7
100	QPSK	270	0		16.52		
100	16QAM	1	1		16.63		17.7
100	64QAM	1	1		16.65		17.7
100	256QAM	1	1		16.50		17.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	16.60	16.60	16.55	17.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	16.58	16.61	16.55	17.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	16.63	16.64	16.53	17.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	16.59	16.64	16.58	17.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	16.65	16.59	16.56	17.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	16.60	16.61	16.54	17.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	16.66	16.69	16.52	17.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	16.64	16.66	16.61	17.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	16.65	16.61	16.62	17.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	16.59	16.66	16.57	17.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	16.63	16.67	16.58	17.7

Part27O_n77(HPUE)_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.81	16.65	16.75	17.7
100	PI/2 BPSK	1	137	16.75	16.47	16.71	
100	PI/2 BPSK	1	271	16.73	16.56	16.62	
100	PI/2 BPSK	135	0	16.59	16.39	16.47	17.7
100	PI/2 BPSK	135	69	16.66	16.43	16.65	17.7
100	PI/2 BPSK	135	138	16.55	16.49	16.50	17.7
100	PI/2 BPSK	270	0	16.54	16.41	16.49	
100	QPSK	1	1	16.86	16.72	16.86	17.7
100	QPSK	1	137	16.81	16.61	16.80	
100	QPSK	1	271	16.80	16.64	16.75	
100	QPSK	135	0	16.70	16.52	16.62	17.7
100	QPSK	135	69	16.72	16.58	16.70	17.7
100	QPSK	135	138	16.64	16.55	16.60	17.7
100	QPSK	270	0	16.66	16.49	16.62	
100	16QAM	1	1	16.79	16.63	16.71	17.7
100	64QAM	1	1	16.73	16.64	16.74	17.7
100	256QAM	1	1	16.79	16.61	16.74	17.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	16.73	16.59	16.70	17.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	16.80	16.57	16.77	17.7
Channel				649000	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	16.73	16.59	16.80	17.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	16.73	16.66	16.70	17.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	16.79	16.62	16.71	17.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	16.76	16.57	16.80	17.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	16.73	16.61	16.76	17.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	16.74	16.60	16.79	17.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	16.78	16.62	16.77	17.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	16.71	16.62	16.79	17.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	16.79	16.58	16.76	17.7

Part27Q_n77_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.51		15.7
100	PI/2 BPSK	1	137		14.40		
100	PI/2 BPSK	1	271		14.45		
100	PI/2 BPSK	135	0		14.24		15.7
100	PI/2 BPSK	135	69		14.43		15.7
100	PI/2 BPSK	135	138		14.38		15.7
100	PI/2 BPSK	270	0		14.27		
100	QPSK	1	1		14.65		15.7
100	QPSK	1	137		14.55		
100	QPSK	1	271		14.51		
100	QPSK	135	0		14.39		15.7
100	QPSK	135	69		14.53		15.7
100	QPSK	135	138		14.46		15.7
100	QPSK	270	0		14.41		
100	16QAM	1	1		14.57		15.7
100	64QAM	1	1		14.58		15.7
100	256QAM	1	1		14.50		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.42	14.56	14.45	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.44	14.52	14.45	15.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.43	14.59	14.49	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.42	14.52	14.48	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.48	14.58	14.46	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.45	14.58	14.54	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.41	14.55	14.46	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.46	14.52	14.50	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.45	14.59	14.45	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.49	14.50	14.48	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.40	14.56	14.45	15.7

Part27O_n77_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.71	14.47	14.30	15.7
100	PI/2 BPSK	1	137	14.63	14.42	14.21	
100	PI/2 BPSK	1	271	14.61	14.46	14.13	
100	PI/2 BPSK	135	0	14.48	14.37	14.06	15.7
100	PI/2 BPSK	135	69	14.54	14.50	14.19	15.7
100	PI/2 BPSK	135	138	14.45	14.37	14.14	15.7
100	PI/2 BPSK	270	0	14.47	14.38	14.09	
100	QPSK	1	1	14.81	14.81	14.39	15.7
100	QPSK	1	137	14.72	14.48	14.32	
100	QPSK	1	271	14.72	14.51	14.24	
100	QPSK	135	0	14.56	14.50	14.12	15.7
100	QPSK	135	69	14.66	14.56	14.27	15.7
100	QPSK	135	138	14.59	14.51	14.21	15.7
100	QPSK	270	0	14.52	14.45	14.21	
100	16QAM	1	1	14.70	14.48	14.30	15.7
100	64QAM	1	1	14.70	14.56	14.26	15.7
100	256QAM	1	1	14.67	14.52	14.27	15.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	14.69	14.53	14.32	15.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	14.69	14.50	14.29	15.7
Channel				649000	656000	663002	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	14.76	14.49	14.30	15.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	14.67	14.47	14.29	15.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	14.70	14.51	14.27	15.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	14.76	14.52	14.34	15.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	14.75	14.46	14.32	15.7
Channel				647500	656000	664502	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	14.73	14.46	14.34	15.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	14.68	14.50	14.29	15.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	14.67	14.51	14.33	15.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	14.66	14.52	14.26	15.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.51		15.7
100	PI/2 BPSK	1	137		14.40		
100	PI/2 BPSK	1	271		14.45		
100	PI/2 BPSK	135	0		14.24		15.7
100	PI/2 BPSK	135	69		14.43		15.7
100	PI/2 BPSK	135	138		14.38		15.7
100	PI/2 BPSK	270	0		14.27		
100	QPSK	1	1		14.65		15.7
100	QPSK	1	137		14.55		
100	QPSK	1	271		14.51		
100	QPSK	135	0		14.39		15.7
100	QPSK	135	69		14.53		15.7
100	QPSK	135	138		14.46		15.7
100	QPSK	270	0		14.41		
100	16QAM	1	1		14.57		15.7
100	64QAM	1	1		14.58		15.7
100	256QAM	1	1		14.50		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.42	14.56	14.45	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.44	14.52	14.45	15.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.43	14.59	14.49	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.42	14.52	14.48	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.48	14.58	14.46	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.45	14.58	14.54	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.41	14.55	14.46	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.46	14.52	14.50	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.45	14.59	14.45	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.49	14.50	14.48	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.40	14.56	14.45	15.7

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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)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.71	14.47	14.30	15.7
100	PI/2 BPSK	1	137	14.63	14.42	14.21	
100	PI/2 BPSK	1	271	14.61	14.46	14.13	
100	PI/2 BPSK	135	0	14.48	14.37	14.06	15.7
100	PI/2 BPSK	135	69	14.54	14.50	14.19	15.7
100	PI/2 BPSK	135	138	14.45	14.37	14.14	15.7
100	PI/2 BPSK	270	0	14.47	14.38	14.09	
100	QPSK	1	1	14.81	14.81	14.39	15.7
100	QPSK	1	137	14.72	14.48	14.32	
100	QPSK	1	271	14.72	14.51	14.24	
100	QPSK	135	0	14.56	14.50	14.12	15.7
100	QPSK	135	69	14.66	14.56	14.27	15.7
100	QPSK	135	138	14.59	14.51	14.21	15.7
100	QPSK	270	0	14.52	14.45	14.21	
100	16QAM	1	1	14.70	14.48	14.30	15.7
100	64QAM	1	1	14.70	14.56	14.26	15.7
100	256QAM	1	1	14.67	14.52	14.27	15.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	14.69	14.53	14.32	15.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	14.69	14.50	14.29	15.7
Channel				649000	656000	663002	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	14.76	14.49	14.30	15.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	QPSK	1	1	14.67	14.47	14.29	15.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	QPSK	1	1	14.70	14.51	14.27	15.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	14.76	14.52	14.34	15.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	QPSK	1	1	14.75	14.46	14.32	15.7
Channel				647500	656000	664502	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	QPSK	1	1	14.73	14.46	14.34	15.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	QPSK	1	1	14.68	14.50	14.29	15.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	14.67	14.51	14.33	15.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	14.66	14.52	14.26	15.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.57		
100	PI/2 BPSK	1	137		18.46		19.7
100	PI/2 BPSK	1	271		18.50		
100	PI/2 BPSK	135	0		18.52		19.7
100	PI/2 BPSK	135	69		18.60		19.7
100	PI/2 BPSK	135	138		18.49		19.7
100	PI/2 BPSK	270	0		18.48		
100	QPSK	1	1		18.72		19.7
100	QPSK	1	137		18.61		
100	QPSK	1	271		18.63		
100	QPSK	135	0		18.57		19.7
100	QPSK	135	69		18.66		19.7
100	QPSK	135	138		18.56		19.7
100	QPSK	270	0		18.53		
100	16QAM	1	1		18.66		19.7
100	64QAM	1	1		18.58		19.7
100	256QAM	1	1		18.57		19.7
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	18.64	18.66	18.68	19.7
Channel				632568	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	18.64	18.65	18.60	19.7
Channel				632334	633332	634332	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	18.64	18.63	18.68	19.7
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	18.66	18.63	18.69	19.7
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	18.63	18.60	18.59	19.7
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	18.68	18.61	18.68	19.7
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	18.69	18.67	18.66	19.7
Channel				630574	633332	636332	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	18.70	18.60	18.58	19.7
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	18.62	18.64	18.70	19.7
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	18.62	18.59	18.62	19.7
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	18.63	18.62	18.67	19.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.32		
100	PI/2 BPSK	1	137		18.18		19.7
100	PI/2 BPSK	1	271		18.12		
100	PI/2 BPSK	135	0		18.00		19.7
100	PI/2 BPSK	135	69		18.12		19.7
100	PI/2 BPSK	135	138		18.04		19.7
100	PI/2 BPSK	270	0		18.11		
100	QPSK	1	1		18.38		19.7
100	QPSK	1	137		18.23		
100	QPSK	1	271		18.27		
100	QPSK	135	0		18.15		19.7
100	QPSK	135	69		18.24		19.7
100	QPSK	135	138		18.09		19.7
100	QPSK	270	0		18.18		
100	16QAM	1	1		18.29		19.7
100	64QAM	1	1		18.28		19.7
100	256QAM	1	1		18.26		19.7
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	18.35	18.29	18.33	19.7
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	18.26	18.27	18.34	19.7
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	QPSK	1	1	18.34	18.24	18.30	19.7
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	18.34	18.24	18.30	19.7
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	18.31	18.27	18.32	19.7
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	QPSK	1	1	18.33	18.23	18.30	19.7
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	18.32	18.33	18.34	19.7
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	18.35	18.27	18.32	19.7
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	18.35	18.32	18.32	19.7
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	18.32	18.26	18.30	19.7
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	QPSK	1	1	18.34	18.30	18.31	19.7

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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)	Ch Delta >0.5
Channel					633332				
Frequency (MHz)					3499.98				
100	PI/2 BPSK	1	1		18.57				
100	PI/2 BPSK	1	137		18.46		19.7	0.0	0.11
100	PI/2 BPSK	1	271		18.50				
100	PI/2 BPSK	135	0		18.52		19.7	0.0	0.00
100	PI/2 BPSK	135	69		18.60		19.7	0.0	0.00
100	PI/2 BPSK	135	138		18.49		19.7	0.0	0.01
100	PI/2 BPSK	270	0		18.48				
100	QPSK	1	1		18.72				
100	QPSK	1	137		18.61		19.7	0.0	0.11
100	QPSK	1	271		18.63				
100	QPSK	135	0		18.57		19.7	0.0	0.00
100	QPSK	135	69		18.66		19.7	0.0	0.00
100	QPSK	135	138		18.56		19.7	0.0	0.03
100	QPSK	270	0		18.53				
100	16QAM	1	1		18.66		19.7	0.0	0.00
100	64QAM	1	1		18.58		19.7	0.0	0.00
100	256QAM	1	1		18.57		19.7	0.0	0.00
Channel				633000	633332	633666	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	>0.5
90	QPSK	1	1	18.64	18.66	18.68	19.7	0.0	0.04
Channel				632568	633332	634000	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	>0.5
80	QPSK	1	1	18.64	18.65	18.60	19.7	0.0	0.05
Channel				632334	633332	634332	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	>0.5
70	QPSK	1	1	18.64	18.63	18.68	19.7	0.0	0.05
Channel				632000	633332	634666	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	>0.5
60	QPSK	1	1	18.66	18.63	18.69	19.7	0.0	0.06
Channel				631668	633332	635000	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	>0.5
50	QPSK	1	1	18.63	18.60	18.59	19.7	0.0	0.04
Channel				631334	633332	635332	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	>0.5
40	QPSK	1	1	18.68	18.61	18.68	19.7	0.0	0.07
Channel				631000	633332	635666	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	>0.5
30	QPSK	1	1	18.69	18.67	18.66	19.7	0.0	0.03
Channel				630574	633332	636332	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)	>0.5
25	QPSK	1	1	18.70	18.60	18.58	19.7	0.0	0.12
Channel				630668	633332	636000	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	>0.5
20	QPSK	1	1	18.62	18.64	18.70	19.7	0.0	0.08
Channel				630500	633332	636166	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	>0.5
15	QPSK	1	1	18.62	18.59	18.62	19.7	0.0	0.03
Channel				630334	633332	636332	Tune-up limit	MPR	Ch Delta
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)	>0.5
10	QPSK	1	1	18.63	18.62	18.67	19.7	0.0	0.05

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.32		
100	PI/2 BPSK	1	137		18.18		19.7
100	PI/2 BPSK	1	271		18.12		
100	PI/2 BPSK	135	0		18.00		19.7
100	PI/2 BPSK	135	69		18.12		19.7
100	PI/2 BPSK	135	138		18.04		19.7
100	PI/2 BPSK	270	0		18.11		
100	QPSK	1	1		18.38		19.7
100	QPSK	1	137		18.23		
100	QPSK	1	271		18.27		
100	QPSK	135	0		18.15		19.7
100	QPSK	135	69		18.24		19.7
100	QPSK	135	138		18.09		19.7
100	QPSK	270	0		18.18		
100	16QAM	1	1		18.29		19.7
100	64QAM	1	1		18.28		19.7
100	256QAM	1	1		18.26		19.7
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	18.35	18.29	18.33	19.7
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	18.26	18.27	18.34	19.7
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	QPSK	1	1	18.34	18.24	18.30	19.7
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	18.34	18.24	18.30	19.7
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	18.31	18.27	18.32	19.7
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	QPSK	1	1	18.33	18.23	18.30	19.7
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	18.32	18.33	18.34	19.7
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	18.35	18.27	18.32	19.7
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	18.35	18.32	18.32	19.7
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	18.32	18.26	18.30	19.7
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	QPSK	1	1	18.34	18.30	18.31	19.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.53		15.7
100	PI/2 BPSK	1	137		14.29		
100	PI/2 BPSK	1	271		14.46		
100	PI/2 BPSK	135	0		14.32		15.7
100	PI/2 BPSK	135	69		14.38		15.7
100	PI/2 BPSK	135	138		14.33		15.7
100	PI/2 BPSK	270	0		14.25		
100	QPSK	1	1		14.58		15.7
100	QPSK	1	137		14.43		
100	QPSK	1	271		14.51		
100	QPSK	135	0		14.38		15.7
100	QPSK	135	69		14.52		15.7
100	QPSK	135	138		14.45		15.7
100	QPSK	270	0		14.38		
100	16QAM	1	1		14.49		15.7
100	64QAM	1	1		14.50		15.7
100	256QAM	1	1		14.47		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.45	14.53	14.36	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.40	14.47	14.31	15.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.43	14.50	14.31	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.39	14.45	14.33	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.43	14.44	14.33	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.45	14.44	14.40	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.39	14.44	14.35	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.47	14.51	14.33	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.39	14.45	14.30	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.43	14.51	14.34	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.40	14.49	14.40	15.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.55		15.7
100	PI/2 BPSK	1	137		14.46		
100	PI/2 BPSK	1	271		14.40		
100	PI/2 BPSK	135	0		14.50		15.7
100	PI/2 BPSK	135	69		14.56		15.7
100	PI/2 BPSK	135	138		14.39		15.7
100	PI/2 BPSK	270	0		14.39		
100	QPSK	1	1		14.70		15.7
100	QPSK	1	137		14.59		
100	QPSK	1	271		14.49		
100	QPSK	135	0		14.56		15.7
100	QPSK	135	69		14.62		15.7
100	QPSK	135	138		14.51		15.7
100	QPSK	270	0		14.53		
100	16QAM	1	1		14.59		15.7
100	64QAM	1	1		14.62		15.7
100	256QAM	1	1		14.46		15.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	14.45	14.63	14.61	15.7
Channel				648334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	14.52	14.59	14.62	15.7
Channel				648000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	14.51	14.64	14.58	15.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	14.49	14.60	14.62	15.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	14.51	14.56	14.63	15.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	14.50	14.58	14.64	15.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	14.55	14.64	14.63	15.7
Channel				647335	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	14.51	14.65	14.59	15.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	14.49	14.63	14.58	15.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	14.47	14.60	14.64	15.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	14.54	14.64	14.63	15.7

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.53		15.7
100	PI/2 BPSK	1	137		14.29		
100	PI/2 BPSK	1	271		14.46		
100	PI/2 BPSK	135	0		14.32		15.7
100	PI/2 BPSK	135	69		14.38		15.7
100	PI/2 BPSK	135	138		14.33		15.7
100	PI/2 BPSK	270	0		14.25		
100	QPSK	1	1		14.58		15.7
100	QPSK	1	137		14.43		
100	QPSK	1	271		14.51		
100	QPSK	135	0		14.38		15.7
100	QPSK	135	69		14.52		15.7
100	QPSK	135	138		14.45		15.7
100	QPSK	270	0		14.38		
100	16QAM	1	1		14.49		15.7
100	64QAM	1	1		14.50		15.7
100	256QAM	1	1		14.47		15.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	14.45	14.53	14.36	15.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	14.40	14.47	14.31	15.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	14.43	14.50	14.31	15.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	14.39	14.45	14.33	15.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	14.43	14.44	14.33	15.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	14.45	14.44	14.40	15.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	14.39	14.44	14.35	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	QPSK	1	1	14.47	14.51	14.33	15.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	14.39	14.45	14.30	15.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	QPSK	1	1	14.43	14.51	14.34	15.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	QPSK	1	1	14.40	14.49	14.40	15.7

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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.55		15.7
100	PI/2 BPSK	1	137		14.46		
100	PI/2 BPSK	1	271		14.40		
100	PI/2 BPSK	135	0		14.50		15.7
100	PI/2 BPSK	135	69		14.56		15.7
100	PI/2 BPSK	135	138		14.39		15.7
100	PI/2 BPSK	270	0		14.39		
100	QPSK	1	1		14.70		15.7
100	QPSK	1	137		14.59		
100	QPSK	1	271		14.49		
100	QPSK	135	0		14.56		15.7
100	QPSK	135	69		14.62		15.7
100	QPSK	135	138		14.51		15.7
100	QPSK	270	0		14.53		
100	16QAM	1	1		14.59		15.7
100	64QAM	1	1		14.62		15.7
100	256QAM	1	1		14.46		15.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	14.45	14.63	14.61	15.7
Channel				648334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	14.52	14.59	14.62	15.7
Channel				648000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	14.51	14.64	14.58	15.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	14.49	14.60	14.62	15.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	14.51	14.56	14.63	15.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	14.50	14.58	14.64	15.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	14.55	14.64	14.63	15.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	14.51	14.65	14.59	15.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	14.49	14.63	14.58	15.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	QPSK	1	1	14.47	14.60	14.64	15.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	14.54	14.64	14.63	15.7

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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)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		16.03		17.2
100	PI/2 BPSK	1	137		16.04		
100	PI/2 BPSK	1	271		15.89		
100	PI/2 BPSK	135	0		15.92		17.2
100	PI/2 BPSK	135	69		15.97		17.2
100	PI/2 BPSK	135	138		15.85		17.2
100	PI/2 BPSK	270	0		15.87		
100	QPSK	1	1		16.15		17.2
100	QPSK	1	137		16.10		
100	QPSK	1	271		16.00		
100	QPSK	135	0		15.99		17.2
100	QPSK	135	69		16.04		17.2
100	QPSK	135	138		15.99		17.2
100	QPSK	270	0		15.98		
100	16QAM	1	1		16.06		17.2
100	64QAM	1	1		16.05		17.2
100	256QAM	1	1		16.06		17.2
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	16.05	16.10	15.97	17.2
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	16.06	16.01	16.03	17.2
	Channel			632234	633332	634432	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	16.05	16.04	15.98	17.2
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	16.05	16.07	15.97	17.2
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	16.13	16.08	16.05	17.2
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	16.06	16.09	16.02	17.2
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	16.10	16.10	16.07	17.2
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	16.10	16.08	16.03	17.2
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	16.05	16.10	16.01	17.2
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	16.05	16.00	16.02	17.2
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	16.05	16.08	16.01	17.2

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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)
	Channel				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		16.11		17.2
100	PI/2 BPSK	1	137		16.04		
100	PI/2 BPSK	1	271		16.00		
100	PI/2 BPSK	135	0		15.96		17.2
100	PI/2 BPSK	135	69		16.10		17.2
100	PI/2 BPSK	135	138		15.94		17.2
100	PI/2 BPSK	270	0		15.95		
100	QPSK	1	1		16.25		17.2
100	QPSK	1	137		16.13		
100	QPSK	1	271		16.11		
100	QPSK	135	0		16.09		17.2
100	QPSK	135	69		16.16		17.2
100	QPSK	135	138		16.09		17.2
100	QPSK	270	0		16.06		
100	16QAM	1	1		16.10		17.2
100	64QAM	1	1		16.20		17.2
100	256QAM	1	1		16.14		17.2
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	16.08	16.14	16.13	17.2
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	16.00	16.20	16.07	17.2
	Channel			649002	650000	651002	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	QPSK	1	1	16.03	16.16	16.12	17.2
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	16.03	16.18	16.14	17.2
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	16.00	16.12	16.09	17.2
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	QPSK	1	1	15.99	16.17	16.12	17.2
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	16.07	16.18	16.07	17.2
	Channel			647502	650000	652502	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	16.03	16.20	16.11	17.2
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	16.00	16.18	16.05	17.2
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	16.05	16.13	16.15	17.2
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	QPSK	1	1	16.08	16.16	16.15	17.2

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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)
	Channel				633332		
	Frequency (MHz)				3499.98		
100	PI/2 BPSK	1	1		16.03		17.2
100	PI/2 BPSK	1	137		16.04		
100	PI/2 BPSK	1	271		15.89		
100	PI/2 BPSK	135	0		15.92		17.2
100	PI/2 BPSK	135	69		15.97		17.2
100	PI/2 BPSK	135	138		15.85		17.2
100	PI/2 BPSK	270	0		15.87		
100	QPSK	1	1		16.15		17.2
100	QPSK	1	137		16.10		
100	QPSK	1	271		16.00		
100	QPSK	135	0		15.99		17.2
100	QPSK	135	69		16.04		17.2
100	QPSK	135	138		15.99		17.2
100	QPSK	270	0		15.98		
100	16QAM	1	1		16.06		17.2
100	64QAM	1	1		16.05		17.2
100	256QAM	1	1		16.06		17.2
	Channel			633000	633332	633666	Tune-up limit
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	16.05	16.10	15.97	17.2
	Channel			632668	633332	634000	Tune-up limit
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	16.06	16.01	16.03	17.2
	Channel			632234	633332	634432	Tune-up limit
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	16.05	16.04	15.98	17.2
	Channel			632000	633332	634666	Tune-up limit
	Frequency (MHz)			3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	16.05	16.07	15.97	17.2
	Channel			631668	633332	635000	Tune-up limit
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	16.13	16.08	16.05	17.2
	Channel			631334	633332	635332	Tune-up limit
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	16.06	16.09	16.02	17.2
	Channel			631000	633332	635666	Tune-up limit
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	16.10	16.10	16.07	17.2
	Channel			630834	633332	635832	Tune-up limit
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	16.10	16.08	16.03	17.2
	Channel			630668	633332	636000	Tune-up limit
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	16.05	16.10	16.01	17.2
	Channel			630500	633332	636166	Tune-up limit
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	16.05	16.00	16.02	17.2
	Channel			630334	633332	636332	Tune-up limit
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	16.05	16.08	16.01	17.2

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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)
	Channel				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		16.11		17.2
100	PI/2 BPSK	1	137		16.04		
100	PI/2 BPSK	1	271		16.00		
100	PI/2 BPSK	135	0		15.96		17.2
100	PI/2 BPSK	135	69		16.10		17.2
100	PI/2 BPSK	135	138		15.94		17.2
100	PI/2 BPSK	270	0		15.95		
100	QPSK	1	1		16.25		17.2
100	QPSK	1	137		16.13		
100	QPSK	1	271		16.11		
100	QPSK	135	0		16.09		17.2
100	QPSK	135	69		16.16		17.2
100	QPSK	135	138		16.09		17.2
100	QPSK	270	0		16.06		
100	16QAM	1	1		16.10		17.2
100	64QAM	1	1		16.20		17.2
100	256QAM	1	1		16.14		17.2
	Channel			649668	650000	650332	Tune-up limit
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	16.08	16.14	16.13	17.2
	Channel			649334	650000	650666	Tune-up limit
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	16.00	16.20	16.07	17.2
	Channel			649002	650000	651002	Tune-up limit
	Frequency (MHz)			3735	3750	3765	(dBm)
70	QPSK	1	1	16.03	16.16	16.12	17.2
	Channel			648668	650000	651332	Tune-up limit
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	16.03	16.18	16.14	17.2
	Channel			648334	650000	651666	Tune-up limit
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	16.00	16.12	16.09	17.2
	Channel			648000	650000	652000	Tune-up limit
	Frequency (MHz)			3720	3750	3780	(dBm)
40	QPSK	1	1	15.99	16.17	16.12	17.2
	Channel			647668	650000	652332	Tune-up limit
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	16.07	16.18	16.07	17.2
	Channel			647502	650000	652502	Tune-up limit
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	16.03	16.20	16.11	17.2
	Channel			647334	650000	652666	Tune-up limit
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	16.00	16.18	16.05	17.2
	Channel			647168	650000	652832	Tune-up limit
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	16.05	16.13	16.15	17.2
	Channel			647000	650000	653000	Tune-up limit
	Frequency (MHz)			3705	3750	3795	(dBm)
10	QPSK	1	1	16.08	16.16	16.15	17.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.01		
100	PI/2 BPSK	1	137		14.88		16.2
100	PI/2 BPSK	1	271		14.83		
100	PI/2 BPSK	135	0		14.78		16.2
100	PI/2 BPSK	135	69		14.86		16.2
100	PI/2 BPSK	135	138		14.86		16.2
100	PI/2 BPSK	270	0		14.75		
100	QPSK	1	1		15.07		
100	QPSK	1	137		15.02		16.2
100	QPSK	1	271		14.96		
100	QPSK	135	0		14.90		16.2
100	QPSK	135	69		15.01		16.2
100	QPSK	135	138		14.96		16.2
100	QPSK	270	0		14.88		
100	16QAM	1	1		14.98		16.2
100	64QAM	1	1		14.93		16.2
100	256QAM	1	1		14.96		16.2
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	14.96	14.94	14.91	16.2
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	14.97	15.02	14.95	16.2
Channel				632234	633332	634432	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	14.95	15.02	14.90	16.2
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	15.00	14.97	14.90	16.2
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	14.95	14.95	14.92	16.2
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	14.95	14.92	14.94	16.2
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	14.97	14.98	14.89	16.2
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	15.04	14.98	14.95	16.2
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	15.02	14.97	14.93	16.2
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	14.97	14.97	14.93	16.2
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	15.04	14.96	14.96	16.2

Part27O_n78_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.09		
100	PI/2 BPSK	1	137		14.95		16.2
100	PI/2 BPSK	1	271		14.97		
100	PI/2 BPSK	135	0		14.83		16.2
100	PI/2 BPSK	135	69		15.02		16.2
100	PI/2 BPSK	135	138		14.84		16.2
100	PI/2 BPSK	270	0		14.91		
100	QPSK	1	1		15.20		
100	QPSK	1	137		15.09		16.2
100	QPSK	1	271		15.10		
100	QPSK	135	0		14.97		16.2
100	QPSK	135	69		15.07		16.2
100	QPSK	135	138		14.98		16.2
100	QPSK	270	0		14.97		
100	16QAM	1	1		15.15		16.2
100	64QAM	1	1		15.12		16.2
100	256QAM	1	1		15.13		16.2
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	15.08	15.14	15.03	16.2
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	15.07	15.08	15.04	16.2
Channel				649000	650000	651002	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	QPSK	1	1	15.00	15.10	15.04	16.2
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	15.05	15.06	15.07	16.2
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	15.05	15.11	15.02	16.2
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	QPSK	1	1	15.08	15.12	15.07	16.2
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	15.06	15.12	15.01	16.2
Channel				647502	650000	652502	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	15.02	15.06	15.05	16.2
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	15.04	15.11	15.07	16.2
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	15.05	15.06	15.10	16.2
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	QPSK	1	1	15.08	15.10	15.08	16.2

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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.01		
100	PI/2 BPSK	1	137		14.88		16.2
100	PI/2 BPSK	1	271		14.83		
100	PI/2 BPSK	135	0		14.78		16.2
100	PI/2 BPSK	135	69		14.86		16.2
100	PI/2 BPSK	135	138		14.86		16.2
100	PI/2 BPSK	270	0		14.75		
100	QPSK	1	1		15.07		
100	QPSK	1	137		15.02		16.2
100	QPSK	1	271		14.96		
100	QPSK	135	0		14.90		16.2
100	QPSK	135	69		15.01		16.2
100	QPSK	135	138		14.96		16.2
100	QPSK	270	0		14.88		
100	16QAM	1	1		14.98		16.2
100	64QAM	1	1		14.93		16.2
100	256QAM	1	1		14.96		16.2
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	QPSK	1	1	14.96	14.94	14.91	16.2
Channel				632668	633332	634000	Tune-up limit
Frequency (MHz)				3490.02	3499.98	3510	(dBm)
80	QPSK	1	1	14.97	15.02	14.95	16.2
Channel				632234	633332	634432	Tune-up limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	QPSK	1	1	14.95	15.02	14.90	16.2
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	QPSK	1	1	15.00	14.97	14.90	16.2
Channel				631668	633332	635000	Tune-up limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	QPSK	1	1	14.95	14.95	14.92	16.2
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	QPSK	1	1	14.95	14.92	14.94	16.2
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	QPSK	1	1	14.97	14.98	14.89	16.2
Channel				630834	633332	635832	Tune-up limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	QPSK	1	1	15.04	14.98	14.95	16.2
Channel				630668	633332	636000	Tune-up limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	QPSK	1	1	15.02	14.97	14.93	16.2
Channel				630500	633332	636166	Tune-up limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	QPSK	1	1	14.97	14.97	14.93	16.2
Channel				630334	633332	636332	Tune-up limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	QPSK	1	1	15.04	14.96	14.96	16.2

Part27O_n78(HPUE)_Ant 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.09		
100	PI/2 BPSK	1	137		14.95		16.2
100	PI/2 BPSK	1	271		14.97		
100	PI/2 BPSK	135	0		14.83		16.2
100	PI/2 BPSK	135	69		15.02		16.2
100	PI/2 BPSK	135	138		14.84		16.2
100	PI/2 BPSK	270	0		14.91		
100	QPSK	1	1		15.20		
100	QPSK	1	137		15.09		16.2
100	QPSK	1	271		15.10		
100	QPSK	135	0		14.97		16.2
100	QPSK	135	69		15.07		16.2
100	QPSK	135	138		14.98		16.2
100	QPSK	270	0		14.97		
100	16QAM	1	1		15.15		16.2
100	64QAM	1	1		15.12		16.2
100	256QAM	1	1		15.13		16.2
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	QPSK	1	1	15.08	15.14	15.03	16.2
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	QPSK	1	1	15.07	15.08	15.04	16.2
Channel				649000	650000	651002	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	QPSK	1	1	15.00	15.10	15.04	16.2
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	QPSK	1	1	15.05	15.06	15.07	16.2
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	QPSK	1	1	15.05	15.11	15.02	16.2
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	QPSK	1	1	15.08	15.12	15.07	16.2
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	QPSK	1	1	15.06	15.12	15.01	16.2
Channel				647502	650000	652502	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	QPSK	1	1	15.02	15.06	15.05	16.2
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	QPSK	1	1	15.04	15.11	15.07	16.2
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	QPSK	1	1	15.05	15.06	15.10	16.2
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	QPSK	1	1	15.08	15.10	15.08	16.2

Bluetooth_Default/DSI 4/5			Ant 1					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	13.60	**15.00**	7.30	**9.00**	7.30	**9.00**
	CH 39	2441	12.70	**14.00**	6.50	**9.00**	6.50	**9.00**
	CH 78	2480	12.30	**14.00**	6.40	**9.00**	6.40	**9.00**

BLE_Default			Ant 1			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps		125Kbps	500Kbps
LE	CH 00	2402	13.30		8.20	8.10
	CH 19	2440	12.70		7.60	7.50
	CH 39	2480	12.40		7.40	7.30
Tune-up Limit			**15**		**9**	**9**

BLE_Default			Ant 1			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
				2Mbps		
LE	CH 01	2404		13.40		
	CH 19	2440		12.60		
	CH 38	2478		12.30		
Tune-up Limit				**15**		

Bluetooth_Default/DSI 4			Ant 10					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	17.50	**18.50**	12.30	**13.50**	12.30	**13.50**
	CH 39	2441	17.50	**18.50**	12.60	**13.50**	12.50	**13.50**
	CH 78	2480	17.50	**18.50**	12.30	**13.50**	12.20	**13.50**
Bluetooth_DSI 5			**Ant 10**					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	16.20	**17.00**	11.20	**12.00**	11.10	**12.00**
	CH 39	2441	15.90	**17.00**	11.10	**12.00**	11.00	**12.00**
	CH 78	2480	15.50	**17.00**	10.40	**12.00**	10.30	**12.00**

BLE_Default			Ant 10			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps		125Kbps	500Kbps
LE	CH 00	2402	16.60		7.10	6.90
	CH 19	2440	16.60		7.20	7.10
	CH 39	2480	16.40		7.10	7.10
Tune-up Limit			**18**		**9**	**9**

BLE_Default			Ant 10			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
				2Mbps		
LE	CH 01	2404		17.00		
	CH 19	2440		17.10		
	CH 38	2478		17.00		
Tune-up Limit				**18.5**		

Bluetooth_Default/DSI 4			Ant 13					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	18.60	**20.00**	13.60	**15.50**	13.70	**15.50**
	CH 39	2441	18.60	**20.00**	13.70	**15.50**	13.60	**15.50**
	CH 78	2480	18.30	**20.00**	13.70	**15.50**	13.70	**15.50**
Bluetooth_DSI 5			**Ant 13**					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	16.30	**18.00**	11.50	**13.50**	11.80	**13.50**
	CH 39	2441	16.40	**18.00**	11.70	**13.50**	11.60	**13.50**
	CH 78	2480	16.10	**18.00**	11.50	**13.50**	11.60	**13.50**

BLE_Default			Ant 13			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps		125Kbps	500Kbps
LE	CH 00	2402	17.10		10.10	10.00
	CH 19	2440	16.80		9.50	9.40
	CH 39	2480	16.80		9.50	9.40
Tune-up Limit			**18.5**		**11**	**11**

BLE_Default			Ant 13			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
				2Mbps		
LE	CH 01	2404		17.80		
	CH 19	2440		17.30		
	CH 38	2478		17.20		
Tune-up Limit				**19**		

<2.4GHz WLAN>

2.4GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 13		Ant 13		Ant 13		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.00	22.5	17.62	19.0	19.56	21.0	100.00
		6	2437	20.90	22.5	17.54	19.0	19.55	21.0	
		11	2462	20.50	22.5	17.22	19.0	19.32	21.0	
	802.11g 6Mbps	1	2412	20.70	22.5		19.0		21.0	98.98
		6	2437	20.90	22.5		19.0		21.0	
		11	2462	20.70	22.5		19.0		21.0	
	802.11n-HT20 MCS0	1	2412	20.80	22.5		19.0		21.0	100.00
		6	2437	20.90	22.5		19.0		21.0	
		11	2462	21.00	22.5		19.0		21.0	
	802.11n-HT40 MCS0	3	2422	20.50	22.5		19.0		21.0	100.00
		6	2437	20.50	22.5		19.0		21.0	
		9	2452	20.50	22.5		19.0		21.0	
	802.11ac-VHT20 MCS0	1	2412	Not Required	22.5	Not Required	19.0	Not Required	21.0	100.00
		6	2437		22.5		19.0		21.0	
		11	2462		22.5		19.0		21.0	
	802.11ac-VHT40 MCS0	3	2422		22.5		19.0		21.0	100.00
		6	2437		22.5		19.0		21.0	
		9	2452		22.5		19.0		21.0	
	802.11ax-HE20 MCS0	1	2412	20.50	22.0		19.0		21.0	100.00
		6	2437	20.50	22.0		19.0		21.0	
		11	2462	20.50	22.0		19.0		21.0	
	802.11ax-HE40 MCS0	3	2422	20.10	22.0		19.0		21.0	100.00
		6	2437	20.30	22.0		19.0		21.0	
		9	2452	20.00	22.0		19.0		21.0	
	802.11be-EHT20 MCS0	1	2412	16.80	18.5		18.5		18.5	100.00
		6	2437	16.90	18.5		18.5		18.5	
		11	2462	16.70	18.5		18.5		18.5	
	802.11be-EHT40 MCS0	3	2422	16.00	17.5		17.5		17.5	100.00
		6	2437	16.20	17.5		17.5		17.5	
		9	2452	15.80	17.5		17.5		17.5	

2.4GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 10		Ant 10		Ant 10		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.20	22.5	17.15	18.5	18.37	19.5	100.00
		6	2437	21.10	22.5	17.12	18.5	18.24	19.5	
		11	2462	21.00	22.5	16.94	18.5	18.19	19.5	
	802.11g 6Mbps	1	2412	21.20	22.5		18.5		19.5	98.63
		6	2437	21.20	22.5		18.5		19.5	
		11	2462	21.00	22.5		18.5		19.5	
	802.11n-HT20 MCS0	1	2412	21.30	22.5		18.5		19.5	100.00
		6	2437	21.30	22.5		18.5		19.5	
		11	2462	21.10	22.5		18.5		19.5	
	802.11n-HT40 MCS0	3	2422	20.50	22.5		18.5		19.5	100.00
		6	2437	20.60	22.5		18.5		19.5	
		9	2452	20.50	22.5		18.5		19.5	
	802.11ac-VHT20 MCS0	1	2412	Not Required	22.5	Not Required	18.5	Not Required	19.5	100.00
		6	2437		22.5		18.5		19.5	
		11	2462		22.5		18.5		19.5	
	802.11ac-VHT40 MCS0	3	2422		22.5		18.5		19.5	100.00
		6	2437		22.5		18.5		19.5	
		9	2452		22.5		18.5		19.5	
	802.11ax-HE20 MCS0	1	2412	20.90	22.0		18.5		19.5	100.00
		6	2437	20.70	22.0		18.5		19.5	
		11	2462	20.60	22.0		18.5		19.5	
	802.11ax-HE40 MCS0	3	2422	20.40	22.0		18.5		19.5	100.00
		6	2437	20.50	22.0		18.5		19.5	
		9	2452	20.40	22.0		18.5		19.5	
	802.11be-EHT20 MCS0	1	2412	17.20	18.5		18.5		18.5	100.00
		6	2437	17.00	18.5		18.5		18.5	
		11	2462	16.90	18.5		18.5		18.5	
	802.11be-EHT40 MCS0	3	2422	16.20	17.5		17.5		17.5	100.00
		6	2437	16.20	17.5		17.5		17.5	
		9	2452	16.30	17.5		17.5		17.5	

<5.2GHz WLAN>

5.2GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 14		Ant 14		Ant 14		
	Mode	Channel	Frequency (MHz)	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	18.16	20.0		18.0		17.0	98.56
		40	5200	19.65	21.5		18.0		17.0	
		44	5220	19.76	21.5		18.0		17.0	
		48	5240	19.68	21.5		18.0		17.0	
	802.11n-HT20 MCS0	36	5180	17.66	19.5		18.0		17.0	100.00
		40	5200	19.70	21.5		18.0		17.0	
		44	5220	19.78	21.5		18.0		17.0	
		48	5240	19.69	21.5	Not Required	18.0	Not Required	17.0	
	802.11n-HT40 MCS0	38	5190	17.03	18.5		18.0		17.0	100.00
		46	5230	19.11	21.0		18.0		17.0	
	802.11ac-VHT20 MCS0	36	5180	Not Required	19.5		18.0		17.0	100.00
		40	5200		21.5		18.0		17.0	
		44	5220		21.5		18.0		17.0	
		48	5240		21.5		18.0		17.0	
	802.11ac-VHT40 MCS0	38	5190		18.5		18.0		17.0	100.00
		46	5230		21.0		18.0		17.0	
	802.11ac-VHT80 MCS0	42	5210	16.73	18.5	16.17	18.0	15.29	17.0	100.00
	802.11ax-HE20 MCS0	36	5180	18.10	19.5		18.0		17.0	100.00
		40	5200	19.70	21.5		18.0		17.0	
		44	5220	19.82	21.5		18.0		17.0	
		48	5240	19.69	21.5		18.0		17.0	
	802.11ax-HE40 MCS0	38	5190	16.00	17.5		17.5		17.0	100.00
		46	5230	19.58	21.0		18.0		17.0	
	802.11ax-HE80 MCS0	42	5210	16.60	18.5	Not Required	18.0	Not Required	17.0	100.00
	802.11be-EHT20 MCS0	36	5180	16.82	18.5		18.0		17.0	100.00
		40	5200	16.70	18.5		18.0		17.0	
		44	5220	16.94	18.5		18.0		17.0	
		48	5240	16.98	18.5		18.0		17.0	
	802.11be-EHT40 MCS0	38	5190	16.72	18.5		18.0		17.0	100.00
		46	5230	16.96	18.5		18.0		17.0	
	802.11be-EHT80 MCS0	42	5210	16.60	18.5		18.0		17.0	100.00

5.2GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 15		Ant 15		Ant 15		
	Mode	Channel	Frequency (MHz)	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	19.58	21.5	19.58	21.5		14.0	98.57
		40	5200	19.70	21.5	19.70	21.5		14.0	
		44	5220	19.60	21.5	19.60	21.5		14.0	
		48	5240	19.74	21.5	19.74	21.5		14.0	
	802.11n-HT20 MCS0	36	5180	19.61	21.5	19.61	21.5		14.0	100.00
		40	5200	19.62	21.5	19.62	21.5		14.0	
		44	5220	19.65	21.5	19.65	21.5		14.0	
		48	5240	19.76	21.5	19.76	21.5	Not Required	14.0	
	802.11n-HT40 MCS0	38	5190	19.59	21.5	19.59	21.5		14.0	100.00
		46	5230	19.77	21.5	19.77	21.5		14.0	
	802.11ac-VHT20 MCS0	36	5180	Not Required	21.5		21.5		14.0	100.00
		40	5200		21.5		21.5		14.0	
		44	5220		21.5	Not Required	21.5		14.0	
		48	5240		21.5		21.5		14.0	
	802.11ac-VHT40 MCS0	38	5190		21.5		21.5		14.0	100.00
		46	5230		21.5		21.5		14.0	
	802.11ac-VHT80 MCS0	42	5210	18.30	19.5	18.30	19.5	12.86	14.0	100.00
	802.11ax-HE20 MCS0	36	5180	19.58	21.5	19.58	21.5		14.0	100.00
		40	5200	19.68	21.5	19.68	21.5		14.0	
		44	5220	19.63	21.5	19.63	21.5		14.0	
		48	5240	19.73	21.5	19.73	21.5		14.0	
	802.11ax-HE40 MCS0	38	5190	19.61	21.5	19.61	21.5		14.0	100.00
		46	5230	19.73	21.5	19.73	21.5		14.0	
	802.11ax-HE80 MCS0	42	5210	17.96	19.5	17.96	19.5	Not Required	14.0	100.00
	802.11be-EHT20 MCS0	36	5180	17.48	18.5	17.48	18.5		14.0	100.00
		40	5200	16.62	18.5	16.62	18.5		14.0	
		44	5220	16.57	18.5	16.57	18.5		14.0	
		48	5240	16.67	18.5	16.67	18.5		14.0	
	802.11be-EHT40 MCS0	38	5190	17.52	18.5	17.52	18.5		14.0	100.00
		46	5230	16.64	18.5	16.64	18.5		14.0	
	802.11be-EHT80 MCS0	42	5210	17.80	18.5	17.80	18.5		14.0	100.00

<5.3GHz WLAN>

5.3GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 14		Ant 14		Ant 14		
	Mode	Channel	Frequency (MHz)	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	19.73	21.5		18.0		17.0	98.56
		56	5280	19.65	21.5		18.0		17.0	
		60	5300	19.61	21.5		18.0		17.0	
		64	5320	19.21	21.0		18.0		17.0	
	802.11n-HT20 MCS0	52	5260	19.75	21.5		18.0		17.0	100.00
		56	5280	19.71	21.5		18.0		17.0	
		60	5300	19.65	21.5		18.0		17.0	
		64	5320	19.24	21.0	Not Required	18.0	Not Required	17.0	
	802.11n-HT40 MCS0	54	5270	19.26	21.0		18.0		17.0	100.00
		62	5310	17.12	18.5		18.0		17.0	
	802.11ac-VHT20 MCS0	52	5260	Not Required	21.5		18.0		17.0	100.00
		56	5280		21.5		18.0		17.0	
		60	5300		21.5		18.0		17.0	
		64	5320		21.0		18.0		17.0	
	802.11ac-VHT40 MCS0	54	5270		21.0		18.0		17.0	100.00
		62	5310		18.5		18.0		17.0	
	802.11ac-VHT80 MCS0	58	5290	17.01	19.0		18.0		17.0	100.00
	802.11ac-VHT160 MCS0	50	5250	16.67	18.5	16.22	18.0	15.37	17.0	100.00
	802.11ax-HE20 MCS0	52	5260	19.72	21.5		18.0		17.0	100.00
		56	5280	19.70	21.5		18.0		17.0	
		60	5300	19.63	21.5		18.0		17.0	
		64	5320	19.12	21.0		18.0		17.0	
	802.11ax-HE40 MCS0	54	5270	19.69	21.0		18.0		17.0	100.00
		62	5310	16.57	18.5		18.0		17.0	
	802.11ax-HE80 MCS0	58	5290	17.50	19.0		18.0		17.0	100.00
	802.11ax-HE160 MCS0	50	5250	16.74	18.5	Not Required	18.0	Not Required	17.0	100.00
	802.11be-EHT20 MCS0	52	5260	16.99	18.5		18.0		17.0	100.00
		56	5280	17.1	18.5		18.0		17.0	
		60	5300	17.97	18.5		18.0		17.0	
		64	5320	18	18.5		18.0		17.0	
	802.11be-EHT40 MCS0	54	5270	16.96	18.5		18.0		17.0	100.00
		62	5310	17.66	18.5		18.0		17.0	
	802.11be-EHT80 MCS0	58	5290	17.67	18.5		18.0		17.0	100.00
	802.11be-EHT160 MCS0	50	5250	16.58	18.5		18.0		17.0	100.00

5.3GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 15		Ant 15		Ant 15		
	Mode	Channel	Frequency (MHz)	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	19.82	21.5	19.82	21.5		14.0	98.57
		56	5280	19.80	21.5	19.80	21.5		14.0	
		60	5300	19.59	21.5	19.59	21.5		14.0	
		64	5320	19.64	21.5	19.64	21.5		14.0	
	802.11n-HT20 MCS0	52	5260	19.84	21.5	19.84	21.5		14.0	100.00
		56	5280	19.81	21.5	19.81	21.5		14.0	
		60	5300	19.61	21.5	19.61	21.5		14.0	
		64	5320	19.67	21.5	19.67	21.5	Not Required	14.0	
	802.11n-HT40 MCS0	54	5270	19.81	21.5	19.81	21.5		14.0	100.00
		62	5310	19.76	21.5	19.76	21.5		14.0	
	802.11ac-VHT20 MCS0	52	5260	Not Required	21.5		21.5		14.0	100.00
		56	5280		21.5		21.5		14.0	
		60	5300		21.5	Not Required	21.5		14.0	
		64	5320		21.5		21.5		14.0	
	802.11ac-VHT40 MCS0	54	5270		21.5		21.5		14.0	100.00
		62	5310		21.5		21.5		14.0	
	802.11ac-VHT80 MCS0	58	5290	16.94	18.5	16.94	18.5		14.0	100.00
	802.11ac-VHT160 MCS0	50	5250	16.74	18.5	16.74	18.5	12.35	14.0	100.00
	802.11ax-HE20 MCS0	52	5260	19.81	21.5	19.81	21.5		14.0	100.00
		56	5280	19.78	21.5	19.78	21.5		14.0	
		60	5300	19.66	21.5	19.66	21.5		14.0	
		64	5320	19.65	21.5	19.65	21.5		14.0	
	802.11ax-HE40 MCS0	54	5270	19.78	21.5	19.78	21.5		14.0	100.00
		62	5310	18.70	20.5	18.70	20.5		14.0	
	802.11ax-HE80 MCS0	58	5290	18.75	20.5	18.75	20.5		14.0	100.00
	802.11ax-HE160 MCS0	50	5250	16.83	18.5	16.83	18.5	Not Required	14.0	100.00
	802.11be-EHT20 MCS0	52	5260	16.9	18.5	16.9	18.5		14.0	100.00
		56	5280	17.61	18.5	17.61	18.5		14.0	
		60	5300	16.65	18.5	16.65	18.5		14.0	
		64	5320	16.69	18.5	16.69	18.5		14.0	
	802.11be-EHT40 MCS0	54	5270	16.92	18.5	16.92	18.5		14.0	100.00
		62	5310	16.69	18.5	16.69	18.5		14.0	
	802.11be-EHT80 MCS0	58	5290	16.73	18.5	16.73	18.5		14.0	100.00
	802.11be-EHT160 MCS0	50	5250	17.6	18.5	17.6	18.5		14.0	100.00

<5.5GHz WLAN>

5.5GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 14		Ant 14		Ant 14		
	Mode	Channel	Frequency (MHz)	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	19.73	21.5		18.0		17.0	98.56
		116	5580	18.37	20.0		18.0		17.0	
		124	5620	18.22	20.0		18.0		17.0	
		132	5660	18.25	20.0		18.0		17.0	
		140	5700	18.43	20.0		18.0		17.0	
	802.11n-HT20 MCS0	100	5500	19.24	21.0		18.0		17.0	100.00
		116	5580	19.52	21.5		18.0		17.0	
		124	5620	19.50	21.5		18.0		17.0	
		132	5660	19.51	21.5		18.0		17.0	
		140	5700	19.06	21.0		18.0		17.0	
	802.11n-HT40 MCS0	102	5510	17.66	19.5		18.0		17.0	100.00
		110	5550	19.67	21.5	Not Required	18.0	Not Required	17.0	
		126	5630	19.56	21.5		18.0		17.0	
		134	5670	19.05	20.5		18.0		17.0	
	802.11ac-VHT20 MCS0	100	5500	Not Required	21.0		18.0		17.0	100.00
		116	5580		21.5		18.0		17.0	
		124	5620		21.5		18.0		17.0	
		132	5660		21.5		18.0		17.0	
		140	5700		21.0		18.0		17.0	
	802.11ac-VHT40 MCS0	102	5510		19.5		18.0		17.0	100.00
		110	5550		21.5		18.0		17.0	
		126	5630		21.5		18.0		17.0	
		134	5670		20.5		18.0		17.0	
	802.11ac-VHT80 MCS0	106	5530	16.70	18.5		18.0		17.0	100.00
	802.11ac-VHT160 MCS0	122	5610	18.44	20.0		18.0		17.0	100.00
	802.11ax-HE20 MCS0	114	5570	17.18	18.5	16.73	18.0	15.76	17.0	100.00
		100	5500	17.79	19.5		18.0		17.0	100.00
		116	5580	19.61	21.5		18.0		17.0	
		124	5620	19.52	21.5		18.0		17.0	
		132	5660	19.50	21.5		18.0		17.0	
		140	5700	19.11	21.0		18.0		17.0	
	802.11ax-HE40 MCS0	102	5510	16.59	18.5		18.0		17.0	100.00
		110	5550	19.67	21.5		18.0		17.0	
		126	5630	19.63	21.5		18.0		17.0	
		134	5670	18.75	20.5		18.0		17.0	
	802.11ax-HE80 MCS0	106	5530	17.15	19.0		18.0		17.0	100.00
		122	5610	19.33	21.0		18.0		17.0	
	802.11ax-HE160 MCS0	114	5570	17.06	18.5	Not Required	18.0	Not Required	17.0	100.00
	802.11be-EHT20 MCS0	100	5500	16.91	18.5		18.0		17.0	100.00
		116	5580	17.69	18.5		18.0		17.0	
		124	5620	17.18	18.5		18.0		17.0	
		132	5660	17.13	18.5		18.0		17.0	
		140	5700	17.77	18.5		18.0		17.0	
	802.11be-EHT40 MCS0	102	5510	16.72	18.5		18.0		17.0	100.00
		110	5550	17.76	18.5		18.0		17.0	
		126	5630	17.01	18.5		18.0		17.0	
		134	5670	17.66	18.5		18.0		17.0	
	802.11be-EHT80 MCS0	106	5530	16.99	18.5		18.0		17.0	100.00
	802.11be-EHT160 MCS0	122	5610	17.42	18.5		18.0		17.0	100.00
		114	5570	16.73	18.5		18.0		17.0	100.00

5.5GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 15		Ant 15		Ant 15		
	Mode	Channel	Frequency (MHz)	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	19.56	21.5	19.56	21.5		14.0	98.57
		116	5580	18.16	20.0	18.16	20.0		14.0	
		124	5620	18.40	20.0	18.40	20.0		14.0	
		132	5660	18.42	20.0	18.42	20.0		14.0	
		140	5700	18.46	20.0	18.46	20.0		14.0	
	802.11n-HT20 MCS0	100	5500	19.59	21.5	19.59	21.5		14.0	100.00
		116	5580	19.76	21.5	19.76	21.5		14.0	
		124	5620	19.54	21.5	19.54	21.5		14.0	
		132	5660	19.52	21.5	19.52	21.5		14.0	
		140	5700	17.02	18.5	17.02	18.5		14.0	
	802.11n-HT40 MCS0	102	5510	19.02	20.5	19.02	20.5		14.0	100.00
		110	5550	19.65	21.5	19.65	21.5	Not Required	14.0	
		126	5630	19.52	21.5	19.52	21.5		14.0	
		134	5670	17.03	19.0	17.03	19.0		14.0	
	802.11ac-VHT20 MCS0	100	5500	Not Required	21.5		21.5		14.0	100.00
		116	5580		21.5		21.5		14.0	
		124	5620		21.5		21.5		14.0	
		132	5660		21.5	Not Required	21.5		14.0	
		140	5700		18.5		18.5		14.0	
	802.11ac-VHT40 MCS0	102	5510		20.5		20.5		14.0	100.00
		110	5550		21.5		21.5		14.0	
		126	5630		21.5		21.5		14.0	
		134	5670		19.0		19.0		14.0	
	802.11ac-VHT80 MCS0	106	5530	17.50	19.0	17.50	19.0		14.0	100.00
	802.11ac-VHT160 MCS0	122	5610	18.18	20.0	18.18	20.0		14.0	100.00
	802.11ax-HE20 MCS0	114	5570	16.56	18.5	16.56	18.5	12.24	14.0	100.00
		100	5500	19.62	21.5	19.62	21.5		14.0	100.00
		116	5580	19.78	21.5	19.78	21.5		14.0	
		124	5620	19.70	21.5	19.70	21.5		14.0	
		132	5660	19.66	21.5	19.66	21.5		14.0	
		140	5700	16.64	18.5	16.64	18.5		14.0	
	802.11ax-HE40 MCS0	102	5510	18.52	20.5	18.52	20.5		14.0	100.00
		110	5550	19.65	21.5	19.65	21.5		14.0	
		126	5630	19.60	21.5	19.60	21.5		14.0	
		134	5670	17.15	19.0	17.15	19.0		14.0	
	802.11ax-HE80 MCS0	106	5530	16.56	18.0	16.56	18.0		14.0	100.00
		122	5610	18.61	20.0	18.61	20.0		14.0	
	802.11ax-HE160 MCS0	114	5570	16.57	18.5	16.57	18.5	Not Required	14.0	100.00
	802.11be-EHT20 MCS0	100	5500	16.80	18.5	16.80	18.5		14.0	100.00
		116	5580	17.02	18.5	17.02	18.5		14.0	
		124	5620	17.37	18.5	17.37	18.5		14.0	
		132	5660	17.31	18.5	17.31	18.5		14.0	
		140	5700	16.71	18.5	16.71	18.5		14.0	
	802.11be-EHT40 MCS0	102	5510	16.62	18.5	16.62	18.5		14.0	100.00
		110	5550	16.79	18.5	16.79	18.5		14.0	
		126	5630	17.27	18.5	17.27	18.5		14.0	
		134	5670	16.61	18.5	16.61	18.5		14.0	
	802.11be-EHT80 MCS0	106	5530	16.77	18.5	16.77	18.5		14.0	100.00
	802.11be-EHT160 MCS0	122	5610	16.72	18.5	16.72	18.5		14.0	100.00
		114	5570	17.52	18.5	17.52	18.5		14.0	100.00

<5.8GHz WLAN>

5.8GHz WLAN				Default		For: DS1_3		For: DS1_4		Duty Cycle %
				Ant 14		Ant 14		Ant 14		
	Mode	Channel

2.4GHz WLAN				Default						For DSI 5						For DSI 4						Duty Cycle %
				Ant 13+10 (13)		Ant 13+10 (10)		Ant 13+10		Ant 13+10 (13)		Ant 13+10 (10)		Ant 13+10		Ant 13+10 (13)		Ant 13+10 (10)		Ant 13+10		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11b 1Mbps	1	2412	21.00	22.5	21.20	22.5	24.11	25.5	16.06	17.5	16.27	17.5	19.18	20.5	17.26	18.5	17.33	18.5	20.31	21.5	
		6	2437	20.90	22.5	21.10	22.5	24.01	25.5	15.94	17.5	16.15	17.5	19.06	20.5	16.98	18.5	17.25	18.5	20.13	21.5	100.00
		11	2462	20.60	22.5	20.70	22.5	23.66	25.5	15.72	17.5	15.81	17.5	18.78	20.5	16.73	18.5	16.84	18.5	19.80	21.5	
	802.11g 6Mbps	1	2412	17.80	19.5	17.90	18.5	20.86	22.0		17.5		17.5		20.5		18.5		18.5		21.5	99.04
		6	2437	17.80	19.5	17.80	18.5	20.81	22.0		17.5		17.5		20.5		18.5		18.5		21.5	
		11	2462	17.40	19.5	17.80	18.5	20.61	22.0		17.5		17.5		20.5		18.5		18.5		21.5	
	802.11n-HT20 MCS0	1	2412	17.90	19.5	18.00	18.5	20.96	22.0		17.5		17.5		20.5		18.5		18.5		21.5	100.00
		6	2437	17.90	19.5	17.90	18.5	20.91	22.0		17.5		17.5		20.5		18.5		18.5		21.5	
		11	2462	17.50	19.5	17.90	18.5	20.71	22.0		17.5		17.5		20.5		18.5		18.5		21.5	
	802.11n-HT40 MCS0	3	2422	16.10	18.0	16.30	18.0	19.21	21.0		17.5		17.5		20.5		18.0		18.0		21.0	100.00
		6	2437	16.20	18.0	16.30	18.0	19.26	21.0		17.5		17.5		20.5		18.0		18.0		21.0	
		9	2452	16.00	18.0	16.40	18.0	19.21	21.0		17.5		17.5		20.5		18.0		18.0		21.0	
	802.11ac-VHT20 MCS0	1	2412		19.5		18.5		22.0		17.5		17.5		20.5		18.5		18.5		21.5	100.00
		6	2437		19.5		18.5		22.0		17.5		17.5		20.5		18.5		18.5		21.5	
		11	2462	Not Required	19.5	Not Required	18.5	Not Required	22.0		17.5		17.5		20.5		18.5		18.5		21.5	
	802.11ac-VHT40 MCS0	3	2422		18.0		18.0		21.0	Not Required	17.5	Not Required	17.5	Not Required	20.5	Not Required	18.0	Not Required	18.0	Not Required	21.0	100.00
		6	2437		18.0		18.0		21.0		17.5		17.5		20.5		18.0		18.0		21.0	
		9	2452		18.0		18.0		21.0		17.5		17.5		20.5		18.0		18.0		21.0	
	802.11ax-HE20 MCS0	1	2412	16.80	18.5	17.10	18.5	19.96	21.5		17.5		17.5		20.5		18.5		18.5		21.5	100.00
		6	2437	16.90	18.5	17.00	18.5	19.96	21.5		17.5		17.5		20.5		18.5		18.5		21.5	
		11	2462	16.60	18.5	16.90	18.5	19.76	21.5		17.5		17.5		20.5		18.5		18.5		21.5	
	802.11ax-HE40 MCS0	3	2422	16.00	17.5	16.20	18.0	19.11	20.8		17.5		17.5		20.5		17.5		18.0		20.8	100.00
		6	2437	16.30	17.5	16.30	18.0	19.31	20.8		17.5		17.5		20.5		17.5		18.0		20.8	
		9	2452	15.90	17.5	16.30	18.0	19.11	20.8		17.5		17.5		20.5		17.5		18.0		20.8	
	802.11be-EHT20 MCS0	1	2412	16.80	18.5	17.20	18.5	20.01	21.5		17.5		17.5		20.5		18.5		18.5		21.5	100.00
		6	2437	16.90	18.5	17.00	18.5	19.96	21.5		17.5		17.5		20.5		18.5		18.5		21.5	
		11	2462	16.70	18.5	16.90	18.5	19.81	21.5		17.5		17.5		20.5		18.5		18.5		21.5	
	802.11be-EHT40 MCS0	3	2422	16.00	17.5	16.20	17.5	19.11	20.5		17.5		17.5		20.5		17.5		17.5		20.5	100.00
		6	2437	16.20	17.5	16.20	17.5	19.21	20.5		17.5		17.5		20.5		17.5		17.5		20.5	
		9	2452	15.80	17.5	16.30	17.5	19.07	20.5		17.5		17.5		20.5		17.5		17.5		20.5	

5.2GHz WLAN				Default						For DSI 5						For DSI 4						Duty Cycle %
				Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	36	5180	16.59	18.5	17.30	18.5	19.97	21.5		14.0		14.0		17.0		10.0		10.0		13.0	98.57
		40	5200	16.68	18.5	16.78	18.5	19.74	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		44	5220	16.76	18.5	16.51	18.5	19.65	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		48	5240	16.73	18.5	16.65	18.5	19.70	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11n-HT20 MCS0	36	5180	16.57	18.5	17.53	18.5	20.09	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		40	5200	16.65	18.5	16.60	18.5	19.64	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		44	5220	16.76	18.5	16.55	18.5	19.67	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		48	5240	16.70	18.5	16.73	18.5	19.73	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	
	802.11n-HT40 MCS0	38	5190	16.63	18.5	17.42	18.5	20.05	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		46	5230	16.82	18.5	16.52	18.5	19.68	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		36	5180		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT20 MCS0	40	5200		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		44	5220	Not Required	18.5	Not Required	18.5	Not Required	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		48	5240		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT40 MCS0	38	5190		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		46	5230		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT80 MCS0	42	5210	16.51	18.5	17.66	18.5	20.13	21.5	12.25	14.0	13.28	14.0	15.81	17.0	8.21	10.0	9.32	10.0	11.81	13.0	100.00
	802.11ax-HE20 MCS0	36	5180	16.71	18.5	17.40	18.5	20.08	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		40	5200	16.66	18.5	16.62	18.5	19.65	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		44	5220	16.82	18.5	16.51	18.5	19.68	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		48	5240	16.85	18.5	16.63	18.5	19.75	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE40 MCS0	38	5190	16.65	18.5	17.44	18.5	20.07	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		46	5230	16.88	18.5	16.58	18.5	19.74	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE80 MCS0	42	5210	16.53	18.5	17.72	18.5	20.18	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	100.00
	802.11be-EHT20 MCS0	36	5180	16.82	18.5	17.48	18.5	20.17	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		40	5200	16.70	18.5	16.62	18.5	19.67	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		44	5220	16.94	18.5	16.57	18.5	19.77	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		48	5240	16.98	18.5	16.67	18.5	19.84	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT40 MCS0	38	5190	16.72	18.5	17.52	18.5	20.15	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		46	5230	16.96	18.5	16.64	18.5	19.81	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT80 MCS0	42	5210	16.60	18.5	17.80	18.5	20.25	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00

5.3GHz WLAN				Default						For DSI 5						For DSI 4						Duty Cycle %
				Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	52	5260	16.70	18.5	16.78	18.5	19.75	21.5		14.0		14.0		17.0		10.0		10.0		13.0	98.57
		56	5280	17.11	18.5	17.53	18.5	20.34	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		60	5300	17.75	18.5	16.70	18.5	20.27	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		64	5320	17.90	18.5	16.69	18.5	20.35	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11n-HT20 MCS0	52	5260	16.68	18.5	16.82	18.5	19.76	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		56	5280	17.13	18.5	17.55	18.5	20.36	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		60	5300	17.85	18.5	16.72	18.5	20.33	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		64	5320	17.87	18.5	16.75	18.5	20.36	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11n-HT40 MCS0	54	5270	16.81	18.5	16.84	18.5	19.84	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	100.00
		62	5310	17.47	18.5	16.51	18.5	20.03	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		52	5260		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT20 MCS0	56	5280		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		60	5300	Not Required	18.5	Not Required	18.5	Not Required	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		64	5320		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT40 MCS0	54	5270		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		62	5310		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT80 MCS0	58	5290	17.55	18.5	16.63	18.5	20.12	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
	802.11ac-VHT160 MCS0	50	5250	16.67	18.5	16.74	18.5	19.72	21.5	12.32	14.0	12.31	14.0	15.33	17.0	8.31	10.0	8.49	10.0	11.41	13.0	100.00
	802.11ax-HE20 MCS0	52	5260	16.84	18.5	16.81	18.5	19.84	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		56	5280	17.03	18.5	17.56	18.5	20.31	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		60	5300	17.83	18.5	16.55	18.5	20.25	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		64	5320	17.92	18.5	16.63	18.5	20.33	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE40 MCS0	54	5270	16.85	18.5	16.88	18.5	19.88	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		62	5310	17.56	18.5	16.60	18.5	20.12	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE80 MCS0	58	5290	17.59	18.5	16.67	18.5	20.16	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
	802.11ax-HE160 MCS0	50	5250	16.74	18.5	16.83	18.5	19.80	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	100.00
	802.11be-EHT20 MCS0	52	5260	16.99	18.5	16.90	18.5	19.96	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		56	5280	17.10	18.5	17.61	18.5	20.37	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		60	5300	17.97	18.5	16.65	18.5	20.37	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		64	5320	18.00	18.5	16.69	18.5	20.40	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT40 MCS0	54	5270	16.96	18.5	16.92	18.5	19.95	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		62	5310	17.66	18.5	16.69	18.5	20.21	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT80 MCS0	58	5290	17.67	18.5	16.73	18.5	20.24	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
	802.11be-EHT160 MCS0	50	5250	16.58	18.5	17.6	18.5	20.13	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00

5.5GHz WLAN				Default						For DSI 5						For DSI 4						Duty Cycle %
				Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		Ant 14+15 (14)		Ant 14+15 (15)		Ant 14+15		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	100	5500	16.67	18.5	16.56	18.5	19.63	21.5		14.0		14.0		17.0		10.0		10.0		13.0	98.57
		116	5580	17.38	18.5	16.71	18.5	20.07	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		124	5620	17.02	18.5	17.06	18.5	20.05	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		132	5660	17.04	18.5	17.04	18.5	20.05	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		140	5700	17.53	18.5	16.51	18.5	20.06	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11n-HT20 MCS0	100	5500	16.75	18.5	16.61	18.5	19.69	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		116	5580	17.45	18.5	16.69	18.5	20.10	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		124	5620	17.01	18.5	17.03	18.5	20.03	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		132	5660	17.02	18.5	17.02	18.5	20.03	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		140	5700	17.50	18.5	16.64	18.5	20.10	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11n-HT40 MCS0	102	5510	16.75	18.5	16.57	18.5	19.67	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		110	5550	17.66	18.5	16.71	18.5	20.22	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	
		126	5630	11.62	13.5	11.95	13.5	14.80	16.5		14.0		14.0		17.0		10.0		10.0		13.0	
		134	5670	17.40	18.5	16.57	18.5	20.02	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT20 MCS0	100	5500		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		116	5580		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		124	5620		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		132	5660	Not Required	18.5	Not Required	18.5	Not Required	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		140	5700		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT40 MCS0	102	5510		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		110	5550		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		126	5630		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		134	5670		18.5		18.5		21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT80 MCS0	106	5530	16.79	18.5	16.64	18.5	19.73	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		122	5610	17.41	18.5	16.72	18.5	20.09	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ac-VHT160 MCS0	114	5570	17.18	18.5	16.56	18.5	19.89	21.5	12.71	14.0	12.22	14.0	15.48	17.0	8.82	10.0	8.17	10.0	11.52	13.0	100.00
	802.11ax-HE20 MCS0	100	5500	16.77	18.5	16.65	18.5	19.72	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		116	5580	17.57	18.5	16.85	18.5	20.24	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		124	5620	17.14	18.5	17.30	18.5	20.23	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		132	5660	17.08	18.5	17.27	18.5	20.19	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		140	5700	17.62	18.5	16.58	18.5	20.14	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE40 MCS0	102	5510	16.66	18.5	16.52	18.5	19.60	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		110	5550	17.68	18.5	16.73	18.5	20.24	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		126	5630	17.06	18.5	17.36	18.5	20.22	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		134	5670	17.57	18.5	16.57	18.5	20.11	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE80 MCS0	106	5530	16.88	18.5	16.73	18.5	19.82	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		122	5610	17.32	18.5	16.63	18.5	20.00	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11ax-HE160 MCS0	114	5570	17.06	18.5	16.57	18.5	19.83	21.5	Not Required	14.0	Not Required	14.0	Not Required	17.0	Not Required	10.0	Not Required	10.0	Not Required	13.0	100.00
	802.11be-EHT20 MCS0	100	5500	16.91	18.5	16.80	18.5	19.87	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		116	5580	17.69	18.5	17.02	18.5	20.38	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		124	5620	17.18	18.5	17.37	18.5	20.29	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		132	5660	17.13	18.5	17.31	18.5	20.23	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		140	5700	17.77	18.5	16.71	18.5	20.28	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT40 MCS0	102	5510	16.72	18.5	16.62	18.5	19.68	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		110	5550	17.76	18.5	16.79	18.5	20.31	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		126	5630	17.01	18.5	17.27	18.5	20.15	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
		134	5670	17.66	18.5	16.61	18.5	20.18	21.5		14.0		14.0		17.0		10.0		10.0		13.0	
	802.11be-EHT80 MCS0	106	5530	16.99	18.5	16.77	18.5	19.89	21.5		14.0		14.0		17.0		10.0		10.0		13.0	100.00
		122	5610	17.42	18.5	16.72	18.5	20.09	21.5		14.0		14.0		17.0		10.0		10.0		13.0