

Full&Default Power Mode

GSM850_Ant 0		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	33.01	33.03	32.87	33.50	24.01	24.03	23.87	24.50
	GPRS 1 Tx slot	33.04	33.00	32.89	33.50	24.04	24.00	23.89	24.50
	GPRS 2 Tx slots	30.65	30.61	30.49	32.00	24.65	24.61	24.49	26.00
	GPRS 3 Tx slots	29.03	29.08	28.94	30.50	24.77	24.82	24.68	26.24
	GPRS 4 Tx slots	27.17	27.26	27.10	29.00	24.17	24.26	24.10	26.00
	EDGE(GMSK 1 Tx slot)	32.95	32.91	32.79	33.50	23.95	23.91	23.79	24.50
	EDGE(GMSK 2 Tx slot)	30.56	30.52	30.44	32.00	24.56	24.52	24.44	26.00
	EDGE(GMSK 3 Tx slot)	28.94	29.00	28.85	30.50	24.68	24.74	24.59	26.24
	EDGE(GMSK 4 Tx slot)	27.11	27.18	27.00	29.00	24.11	24.18	24.00	26.00
	EDGE(8PSK 1 Tx slot)	26.83	26.81	26.69	28.50	17.83	17.81	17.69	19.50
	EDGE(8PSK 2 Tx slot)	24.26	24.19	23.98	24.50	18.26	18.19	17.98	18.50
	EDGE(8PSK 3 Tx slot)	22.32	22.34	22.15	22.50	18.06	18.08	17.89	18.24
	EDGE(8PSK 4 Tx slot)	21.37	21.42	21.34	22.00	18.37	18.42	18.34	19.00

GSM1900_Ant 4		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	30.18	29.93	29.91	30.50	21.18	20.93	20.91	21.50
	GPRS 1 Tx slot	30.15	29.91	29.83	30.50	21.15	20.91	20.83	21.50
	GPRS 2 Tx slots	27.92	27.75	27.67	28.50	21.92	21.75	21.67	22.50
	GPRS 3 Tx slots	26.43	26.48	26.25	27.50	22.17	22.22	21.99	23.24
	GPRS 4 Tx slots	24.69	24.66	24.59	25.50	21.69	21.66	21.59	22.50
	EDGE(GMSK 1 Tx slot)	30.05	29.81	29.77	30.50	21.05	20.81	20.77	21.50
	EDGE(GMSK 2 Tx slot)	27.83	27.68	27.62	28.50	21.83	21.68	21.62	22.50
	EDGE(GMSK 3 Tx slot)	26.35	26.39	26.15	27.50	22.09	22.13	21.89	23.24
	EDGE(GMSK 4 Tx slot)	24.59	24.59	24.54	25.50	21.59	21.59	21.54	22.50
	EDGE(8PSK 1 Tx slot)	26.59	26.45	26.23	28.00	17.59	17.45	17.23	19.00
	EDGE(8PSK 2 Tx slot)	24.53	24.51	24.18	23.00	18.53	18.51	18.18	19.00
	EDGE(8PSK 3 Tx slot)	22.77	22.67	22.53	23.00	18.51	18.41	18.27	18.74
	EDGE(8PSK 4 Tx slot)	21.40	21.31	21.07	22.50	18.40	18.31	18.07	19.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
	GSM 1 Tx slot	29.92	29.91	29.92	30.50	20.92	20.91	20.92	21.50
	GPRS 1 Tx slot	29.94	29.92	29.94	30.50	20.94	20.92	20.94	21.50
	GPRS 2 Tx slots	27.70	27.75	27.64	28.50	21.70	21.75	21.64	22.50
	GPRS 3 Tx slots	26.20	26.23	26.14	27.50	21.94	21.97	21.88	23.24
	GPRS 4 Tx slots	24.39	24.48	24.34	25.50	21.39	21.48	21.34	22.50
	EDGE(GMSK 1 Tx slot)	29.88	29.87	29.86	30.50	20.88	20.87	20.86	21.50
	EDGE(GMSK 2 Tx slot)	27.61	27.66	27.58	28.50	21.61	21.66	21.58	22.50
	EDGE(GMSK 3 Tx slot)	26.11	26.17	26.07	27.50	21.85	21.91	21.81	23.24
	EDGE(GMSK 4 Tx slot)	24.29	24.43	24.24	25.50	21.29	21.43	21.24	22.50
	EDGE(8PSK 1 Tx slot)	26.24	26.29	26.18	28.00	17.24	17.29	17.18	19.00
	EDGE(8PSK 2 Tx slot)	24.14	24.20	24.07	25.00	18.14	18.20	18.07	19.00
	EDGE(8PSK 3 Tx slot)	22.25	22.31	22.37	23.00	17.99	18.05	18.11	18.74
	EDGE(8PSK 4 Tx slot)	21.05	20.96	21.02	22.50	18.05	17.96	18.02	19.50

Band		WCDMA II_Ant 4			Tune-up Limit (dBm)	WCDMA II_Ant 1			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	23.66	23.59	23.78	24.00	23.12	23.05	23.20	24.00
3GPP Rel 99	RMC 12.2Kbps	23.68	23.63	23.82	24.00	23.15	23.09	23.24	24.00
3GPP Rel 6	HSDPA Subtest-1	22.66	22.55	22.98	24.00	22.74	22.70	22.84	24.00
3GPP Rel 6	HSDPA Subtest-2	22.67	22.61	23.08	24.00	22.71	22.70	22.87	24.00
3GPP Rel 6	HSDPA Subtest-3	22.20	22.15	22.56	23.50	22.26	22.23	22.39	23.50
3GPP Rel 6	HSDPA Subtest-4	22.19	22.10	22.54	23.50	22.21	22.19	22.37	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.56	22.46	22.89	24.00	22.69	22.63	22.78	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.62	22.55	23.02	24.00	22.62	22.62	22.77	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.14	22.09	22.48	23.50	22.20	22.15	22.32	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.09	22.03	22.47	23.50	22.15	22.11	22.27	23.50
3GPP Rel 6	HSUPA Subtest-1	20.66	20.52	20.94	22.00	20.72	20.71	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	20.68	20.53	20.97	22.00	20.68	20.73	20.84	22.00
3GPP Rel 6	HSUPA Subtest-3	21.72	21.56	22.00	23.00	21.73	21.69	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	20.26	20.11	20.51	21.50	20.25	20.22	20.34	21.50
3GPP Rel 6	HSUPA Subtest-5	21.70	21.50	21.90	23.00	21.70	21.70	21.80	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.62	21.45	21.80	22.50	21.65	21.60	21.75	22.50

Band		WCDMA IV_Ant 4			Tune-up Limit (dBm)	WCDMA IV_Ant 1			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	24.58	24.45	24.81	25.00	23.49	23.05	23.50	24.00
3GPP Rel 99	RMC 12.2Kbps	24.62	24.52	24.88	25.00	23.50	23.10	23.51	24.00
3GPP Rel 6	HSDPA Subtest-1	23.65	23.65	24.02	24.50	23.13	22.78	23.24	24.00
3GPP Rel 6	HSDPA Subtest-2	23.66	23.62	23.99	24.00	23.10	22.77	23.22	24.00
3GPP Rel 6	HSDPA Subtest-3	23.20	23.12	23.51	24.00	22.65	22.33	22.75	23.50
3GPP Rel 6	HSDPA Subtest-4	23.17	23.12	23.50	23.50	22.61	22.29	22.68	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.56	23.55	23.96	24.50	23.07	22.72	23.16	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.59	23.57	23.94	24.00	23.05	22.72	23.15	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	23.10	23.05	23.45	24.00	22.59	22.28	22.66	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	23.09	23.05	23.41	23.50	22.55	22.19	22.59	23.50
3GPP Rel 6	HSUPA Subtest-1	21.61	21.62	21.99	22.50	21.11	20.80	21.29	22.00
3GPP Rel 6	HSUPA Subtest-2	21.60	21.59	22.00	22.00	21.12	20.81	21.26	22.00
3GPP Rel 6	HSUPA Subtest-3	22.67	22.64	23.02	23.50	22.14	21.85	22.28	23.00
3GPP Rel 6	HSUPA Subtest-4	21.15	21.12	21.54	22.00	20.63	20.36	20.80	22.00
3GPP Rel 6	HSUPA Subtest-5	22.60	22.60	23.00	23.50	22.10	21.80	22.30	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.52	22.53	22.70	23.00	22.02	21.71	22.22	23.00

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	25.16	25.18	25.01	25.50	24.52	24.58	24.47	25.00
3GPP Rel 99	RMC 12.2Kbps	25.18	25.20	25.11	25.50	24.54	24.60	24.50	25.00
3GPP Rel 6	HSDPA Subtest-1	24.04	24.08	24.06	25.00	23.94	24.01	23.97	25.00
3GPP Rel 6	HSDPA Subtest-2	24.06	24.08	24.05	25.00	23.97	24.01	23.98	25.00
3GPP Rel 6	HSDPA Subtest-3	23.63	23.61	23.61	24.50	23.53	23.55	23.52	24.50
3GPP Rel 6	HSDPA Subtest-4	23.58	23.61	23.54	24.50	23.46	23.50	23.48	24.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.97	24.02	23.97	25.00	23.87	23.91	23.89	25.00
3GPP Rel 6	DC-HSDPA Subtest-2	24.01	24.00	23.95	25.00	23.90	23.92	23.89	25.00
3GPP Rel 6	DC-HSDPA Subtest-3	23.54	23.55	23.51	24.50	23.45	23.50	23.42	24.50
3GPP Rel 6	DC-HSDPA Subtest-4	23.51	23.53	23.49	24.50	23.41	23.45	23.42	24.50
3GPP Rel 6	HSUPA Subtest-1	22.02	22.08	22.02	23.00	21.96	22.00	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	22.02	22.09	21.99	23.00	21.96	22.02	21.92	23.00
3GPP Rel 6	HSUPA Subtest-3	23.07	23.08	23.03	24.00	23.00	23.04	22.93	24.00
3GPP Rel 6	HSUPA Subtest-4	21.59	21.66	21.54	22.50	21.44	21.55	21.46	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.10	23.00	24.00	23.00	23.00	22.90	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.93	23.04	22.90	23.50	22.94	22.92	22.83	23.50



Band 2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.73	22.79	22.75			
20	QPSK	1	49	22.69	22.70	22.72		23.5	0
20	QPSK	1	99	22.60	22.61	22.66			
20	QPSK	50	0	21.71	21.75	21.69			
20	QPSK	100	0	21.70	21.65	21.67		22.5	1
20	QPSK	50	50	21.66	21.59	21.67			
20	QPSK	100	0	21.68	21.73	21.64			
20	16QAM	1	0	22.08	22.04	22.07			
20	16QAM	1	49	22.04	21.96	21.96		22.5	1
20	16QAM	1	99	21.76	21.99	21.91			
20	16QAM	50	0	20.71	20.66	20.73			
20	16QAM	50	24	20.68	20.64	20.77			
20	16QAM	50	50	20.66	20.59	20.77		21.5	2
20	16QAM	100	0	20.62	20.56	20.76			
20	16QAM	1	0	20.73	20.67	20.78			
20	64QAM	1	49	20.69	20.63	20.91		21.5	2
20	64QAM	1	99	20.73	20.65	20.91			
20	64QAM	50	0	19.69	19.68	19.70			
20	64QAM	50	24	19.67	19.61	19.76			
20	64QAM	50	50	19.65	19.58	19.78		20.5	3
20	64QAM	100	0	19.65	19.61	19.74			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.68	22.74	22.66			
15	QPSK	1	37	22.59	22.64	22.67		23.5	0
15	QPSK	1	74	22.51	22.53	22.57			
15	QPSK	36	0	21.64	21.70	21.63			
15	QPSK	36	20	21.62	21.55	21.68		22.5	1
15	QPSK	36	39	21.58	21.49	21.62			
15	QPSK	75	0	21.62	21.66	21.59			
15	16QAM	1	0	22.01	21.95	22.00			
15	16QAM	1	37	21.94	21.84	21.78		22.5	1
15	16QAM	1	74	21.68	21.62	21.81			
15	16QAM	36	0	20.62	20.58	20.66			
15	16QAM	36	20	20.59	20.57	20.67		21.5	2
15	16QAM	36	39	20.57	20.50	20.71			
15	16QAM	75	0	20.57	20.52	20.64			
15	64QAM	1	0	20.66	20.62	20.69			
15	64QAM	1	37	20.59	20.77	20.83		21.5	2
15	64QAM	1	74	20.67	20.79	20.64			
15	64QAM	36	0	19.64	19.65	19.63			
15	64QAM	36	20	19.59	19.53	19.69			
15	64QAM	36	39	19.58	19.48	19.66		20.5	3
15	64QAM	75	0	19.58	19.51	19.65			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.57	22.69	22.64			
10	QPSK	1	25	22.64	22.63	22.67		23.5	0
10	QPSK	1	49	22.50	22.52	22.56			
10	QPSK	25	0	21.63	21.68	21.58			
10	QPSK	25	12	21.63	21.55	21.60		22.5	1
10	QPSK	25	25	21.60	21.52	21.61			
10	QPSK	50	0	21.62	21.64	21.58			
10	16QAM	1	0	22.02	21.97	21.97			
10	16QAM	1	25	21.95	21.83	21.76		22.5	1
10	16QAM	1	49	21.70	21.69	21.85			
10	16QAM	25	0	20.61	20.56	20.67			
10	16QAM	25	12	20.63	20.59	20.68		21.5	2
10	16QAM	25	25	20.58	20.54	20.72			
10	16QAM	50	0	20.58	20.52	20.66			
10	16QAM	1	0	20.67	20.77	20.72			
10	64QAM	1	25	20.64	20.71	20.82		21.5	2
10	64QAM	1	49	20.68	20.79	20.82			
10	64QAM	25	0	19.60	19.62	19.61			
10	64QAM	25	12	19.59	19.51	19.68			
10	64QAM	25	25	19.58	19.52	19.70		20.5	3
10	64QAM	50	0	19.58	19.50	19.65			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.68	22.69	22.65			
5	QPSK	1	12	22.60	22.61	22.65		23.5	0
5	QPSK	1	24	22.51	22.55	22.60			
5	QPSK	12	0	21.63	21.70	21.61			
5	QPSK	12	7	21.63	21.58	21.60		22.5	1
5	QPSK	12	13	21.57	21.51	21.60			
5	QPSK	25	0	21.59	21.65	21.56			
5	16QAM	1	0	21.98	21.99	21.99		22.5	1
5	16QAM	1	12	21.98	21.86	21.80			
5	16QAM	1	24	21.69	21.69	21.84			
5	16QAM	12	0	20.62	20.62	20.67			
5	16QAM	12	7	20.59	20.58	20.68		21.5	2
5	16QAM	12	13	20.57	20.51	20.71			
5	16QAM	25	0	20.60	20.51	20.62			
5	64QAM	1	0	20.66	20.77	20.69			
5	64QAM	1	12	20.61	20.76	20.82		21.5	2
5	64QAM	1	24	20.64	20.69	20.84			
5	64QAM	12	0	19.62	19.63	19.63			
5	64QAM	12	7	19.59	19.61	19.67			
5	64QAM	12	13	19.59	19.52	19.70		20.5	3
5	64QAM	25	0	19.55	19.51	19.69			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.65	22.72	22.63			
3	QPSK	1	6	22.64	22.62	22.64		23.5	0
3	QPSK	1	12	22.55	22.54	22.59			
3	QPSK	6	0	21.63	21.69	21.62			
3	QPSK	6	4	21.60	21.56	21.58		22.5	1
3	QPSK	6	7	21.57	21.50	21.57			
3	QPSK	15	0	21.62	21.66	21.57			
3	16QAM	1	0	22.03	21.94	22.00			
3	16QAM	1	6	21.99	21.85	21.77		22.5	1
3	16QAM	1	14	21.68	21.90	21.85			
3	16QAM	6	0	20.63	20.62	20.66			
3	16QAM	6	4	20.60	20.56	20.67		21.5	2
3	16QAM	6	7	20.60	20.53	20.71			
3	16QAM	15	0	20.57	20.49	20.62			
3	64QAM	1	0	20.66	20.79	20.71			
3	64QAM	1	6	20.61	20.77	20.85		21.5	2
3	64QAM	1	14	20.63	20.68	20.84			
3	64QAM	6	0	19.60	19.61	19.62			
3	64QAM	6	4	19.58	19.52	19.68			
3	64QAM	6	7	19.59	19.49	19.67		20.5	3
3	64QAM	15	0	19.60	19.53	19.67			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.64	22.69	22.67			
1.4	QPSK	1	3	22.60	22.61	22.67		23.5	0
1.4	QPSK	1	6	22.53	22.55	22.59			
1.4	QPSK	3	0	21.66	22.69	22.64			
1.4	QPSK	3	1	22.62	22.61	22.66			
1.4	QPSK	3	3	22.53	22.54	22.59			
1.4	QPSK	6	0	21.63	21.65	21.69		22.5	1
1.4	16QAM	1	0	22.00	21.95	21.97			
1.4	16QAM	1	3	21.94	21.81	21.77			
1.4	16QAM	1	6	21.66	21.62	21.80		22.5	1
1.4	16QAM	3	0	21.62	21.71	21.61			
1.4	16QAM	3	1	21.61	21.55	21.67			
1.4	16QAM	3	3	21.58	21.53	21.61			
1.4	16QAM	6	0	20.57	20.53	20.65		21.5	2
1.4	64QAM	1	0	20.66	20.76	20.65			
1.4	64QAM	1	3	20.61	20.59	20.71		21.5	2
1.4	64QAM	3	0	20.56	20.50	20.66			
1.4	64QAM	6	0	19.58	19.52	19.65		20.5	3

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset [Ch]	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.05	23.08	22.85			
20	QPSK	1	49	22.89	22.73	22.84	24.5	0	
20	QPSK	1	99	22.79	22.82	22.75			
20	QPSK	50	0	21.95	22.01	21.83			
20	QPSK	50	24	21.93	21.77	21.74	23.5	1	
20	QPSK	50	50	21.96	21.99	21.79			
20	QPSK	100	0	21.88	21.96	21.78			
20	16QAM	1	0	22.10	21.86	21.99			
20	16QAM	1	49	22.12	22.06	21.85	23.5	1	
20	16QAM	1	99	22.11	22.06	22.00			
20	16QAM	50	0	21.04	20.88	20.73			
20	16QAM	50	24	20.99	20.77	20.82	22.5	2	
20	16QAM	50	50	20.91	21.05	20.84			
20	16QAM	100	0	20.88	21.04	21.04			
20	64QAM	1	49	21.10	20.78	20.85	22.5	2	
20	64QAM	1	99	21.01	20.91	20.88			
20	64QAM	50	0	20.88	21.04	21.04	21.5	3	
20	64QAM	50	50	20.92	20.98	20.78			
20	64QAM	100	0	20.95	20.78	20.78			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.75	18.80	19.25			
15	QPSK	1	5	22.92	22.87	22.81	24.5	0	
15	QPSK	1	74	22.65	22.80	22.65			
15	QPSK	36	0	21.89	21.87	21.76			
15	QPSK	36	20	21.88	21.66	21.66	23.5	1	
15	QPSK	36	39	21.86	21.91	21.68			
15	QPSK	36	4	21.75	21.82	21.75	23.5	1	
15	16QAM	1	0	21.07	21.83	21.85			
15	16QAM	1	37	22.02	22.02	21.75	23.5	1	
15	16QAM	1	74	21.97	22.00	21.96			
15	16QAM	36	0	20.81	20.87	20.86			
15	16QAM	36	20	20.82	20.66	20.66	22.5	2	
15	16QAM	36	39	20.85	20.82	20.73			
15	16QAM	75	0	20.93	20.61	20.61			
15	64QAM	1	0	20.76	21.05	21.01			
15	64QAM	1	37	20.99	20.65	20.67	22.5	2	
15	64QAM	1	74	20.85	20.84	20.84			
15	64QAM	36	0	19.97	19.78	19.71			
15	64QAM	36	20	19.94	19.65	19.72	21.5	3	
15	64QAM	36	39	19.88	19.94	19.65			
15	64QAM	75	0	19.83	19.75	19.72			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.92	22.93	22.83			
10	QPSK	1	25	22.76	22.99	22.70	23.5	1	
10	QPSK	1	49	22.72	22.78	22.61			
10	QPSK	25	0	21.87	21.96	21.74			
10	QPSK	25	12	21.84	21.64	21.64	23.5	1	
10	QPSK	25	24	21.87	21.88	21.67			
10	QPSK	50	0	21.80	21.93	21.61			
10	16QAM	1	0	22.07	21.78	21.86			
10	16QAM	1	25	22.02	22.02	21.81	23.5	1	
10	16QAM	1	49	22.06	21.99	21.94			
10	16QAM	25	0	20.80	20.78	20.68	22.5	2	
10	16QAM	25	12	20.89	20.74	20.81			
10	16QAM	25	25	20.87	21.04	20.82			
10	16QAM	50	0	20.82	20.61	20.73			
10	64QAM	1	0	21.73	21.00	21.03			
10	64QAM	1	25	20.88	20.63	20.68	22.5	2	
10	64QAM	1	49	20.96	20.63	20.68			
10	64QAM	25	0	19.92	19.84	19.62	21.5	3	
10	64QAM	25	12	19.95	19.75	19.70			
10	64QAM	25	25	19.78	19.97	19.74			
10	64QAM	50	0	19.86	19.72	19.63			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.04	23.01	22.78			
5	QPSK	1	12	22.79	22.72	22.70	24.5	0	
5	QPSK	1	24	22.66	22.78	22.72			
5	QPSK	12	0	21.90	21.88	21.80			
5	QPSK	12	7	21.81	21.86	21.80	23.5	1	
5	QPSK	12	13	21.86	21.86	21.69			
5	QPSK	25	0	21.84	21.95	21.87			
5	16QAM	1	0	22.03	21.83	21.96			
5	16QAM	1	12	22.08	21.98	21.79	23.5	1	
5	16QAM	1	24	21.99	21.84	21.81			
5	16QAM	12	0	21.12	20.98	20.71	22.5	2	
5	16QAM	12	7	20.89	20.72	20.72			
5	16QAM	12	13	20.83	20.96	20.79			
5	16QAM	25	0	20.85	20.66	20.73			
5	64QAM	1	0	20.84	21.01	21.01	22.5	2	
5	64QAM	1	12	21.02	20.73	20.74			
5	64QAM	1	24	20.92	20.87	20.80			
5	64QAM	12	0	19.94	19.74	19.68	21.5	3	
5	64QAM	12	7	19.88	19.71	19.67			
5	64QAM	12	13	19.78	19.90	19.71			
5	64QAM	15	0	19.81	19.75	19.70			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.02	23.07	22.73			
3	QPSK	1	8	22.75	22.63	22.78	24.5	0	
3	QPSK	1	14	22.72	22.77	22.74			
3	QPSK	8	0	21.89	21.98	21.75			
3	QPSK	8	7	21.87	21.88	21.70	23.5	1	
3	QPSK	8	7	21.85	21.90	21.75			
3	QPSK	15	0	21.79	21.87	21.64			
3	16QAM	1	0	22.07	21.83	21.87	23.5	1	
3	16QAM	1	8	22.07	22.03	21.72			
3	16QAM	1	14	21.96	22.01	21.86			
3	16QAM	8	0	20.99	20.74	20.67			
3	16QAM	8	4	20.92	20.72	20.65	22.5	2	
3	16QAM	8	7	20.80	20.67	20.63			
3	16QAM	15	0	20.88	21.04	21.00			
3	64QAM	1	8	21.09	20.74	20.89	22.5	2	
3	64QAM	1	14	20.95	20.78	20.54			
3	64QAM	8	0	20.01	19.78	19.71			
3	64QAM	8	4	19.92	19.62	19.72	21.5	3	
3	64QAM	8	7	19.84	19.65	19.66			
3	64QAM	15	0	19.89	19.70	19.70			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.86	22.87	22.77			
1.4	QPSK	1	5	22.83	22.67	22.78	24.5	0	
1.4	QPSK	1	5	22.81	22.88	22.86			
1.4	QPSK	1	22.79	22.80	22.81	22.75			
1.4	QPSK	1	22.79	22.67	22.77				
1.4	QPSK	3	3	22.69	22.58	22.68	23.5	1	
1.4	16QAM	1	0	21.78	21.90	21.67			
1.4	16QAM	1	5	21.70	22.05	21.89			
1.4	16QAM	1	21.78	21.99	21.94				
1.4	16QAM	3	3	21.81	21.98	21.94	23.5	1	
1.4	16QAM	3	1	21.84	21.69	21.64			
1.4	16QAM	3	3	21.86	21.99	21.73			
1.4	16QAM	6	0	20.80	20.66	20.69	22.5	2	
1.4	16QAM	6	0	21.05	21.04	20.99			
1.4	16QAM	1	3	20.91	20.72	20.89			
1.4	16QAM	1	5	20.96	20.79	20.65	22.5	2	
1.4	16QAM	1	5	20.95	20.80	20.67			
1.4	16QAM	3	0	20.84	20.72	20.74			
1.4	16QAM	3	0	20.83	20.63	20.63	21.5	3	
1.4	16QAM	6	0	19.86	19.70	19.70			

Band 4_Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch. Freq.	Power/High Ch. Freq.	Power/High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.20	23.23	23.41		24	0		
20	QPSK	1	49	23.01	23.37	23.15					
20	QPSK	1	99	23.00	23.35	23.21					
20	QPSK	50	0	22.57	22.41	22.27					
20	QPSK	50	24	22.04	22.38	22.18		23	1		
20	QPSK	50	50	21.96	22.34	22.22					
20	QPSK	100	0	22.01	22.33	22.19					
20	16QAM	1	0	22.23	22.49	22.39					
20	16QAM	1	49	22.12	22.43	22.49		23	1		
20	16QAM	1	99	22.20	22.40	22.46					
20	16QAM	50	0	21.04	21.26	21.16					
20	16QAM	50	24	21.04	21.36	21.17					
20	16QAM	50	50	20.90	21.42	21.20		22	2		
20	16QAM	100	0	21.00	21.30	21.16					
20	64QAM	1	0	21.26	21.47	21.30					
20	64QAM	1	49	21.22	21.58	21.38		22	2		
20	64QAM	1	99	21.25	21.60	21.37					
20	64QAM	50	0	20.05	20.26	20.16					
20	64QAM	50	24	20.05	20.37	20.15					
20	64QAM	50	50	19.95	20.38	20.20		21	3		
20	64QAM	100	0	19.99	20.33	20.17					
Channel											
Frequency (MHz)											
19	QPSK	1	0	23.02	23.15	23.30		24	0		
19	QPSK	1	37	22.96	23.06	23.32					
19	QPSK	1	74	22.92	23.11	23.28					
19	QPSK	36	0	21.99	22.17	22.32					
19	QPSK	36	20	21.94	22.08	22.29		23	1		
19	QPSK	36	39	21.91	22.15	22.27					
19	QPSK	75	0	21.96	22.12	22.27					
19	16QAM	1	0	22.13	22.31	22.44					
19	16QAM	1	37	22.05	22.42	22.38		23	1		
19	16QAM	1	74	22.24	22.39	22.34					
19	16QAM	36	0	20.96	21.10	21.18					
19	16QAM	36	20	20.96	21.10	21.26					
19	16QAM	36	39	21.02	21.14	21.35		22	2		
19	16QAM	75	0	20.93	21.11	21.21					
19	64QAM	1	0	21.19	21.24	21.41					
19	64QAM	1	37	21.15	21.29	21.49					
19	64QAM	1	74	21.20	21.31	21.55		22	2		
19	64QAM	36	0	20.98	20.08	20.19					
19	64QAM	36	20	19.98	20.06	20.29					
19	64QAM	36	39	19.85	20.11	20.33					
19	64QAM	75	0	19.89	20.10	20.27		21	3		
Channel											
Frequency (MHz)											
19	QPSK	1	0	23.00	23.15	23.30		24	0		
19	QPSK	1	25	22.92	23.10	23.30					
19	QPSK	1	49	22.84	23.15	23.29					
19	QPSK	25	0	22.01	22.21	22.35					
19	QPSK	25	12	21.96	22.09	22.30		23	1		
19	QPSK	25	25	21.97	22.10	22.29					
19	QPSK	50	0	21.93	22.10	22.25					
19	16QAM	1	0	22.14	22.32	22.41					
19	16QAM	1	25	22.03	22.40	22.38		23	1		
19	16QAM	1	49	22.22	22.39	22.31					
19	16QAM	36	0	20.96	21.10	21.17					
19	16QAM	36	12	20.96	21.10	21.27					
19	16QAM	25	25	20.94	21.13	21.34		22	2		
19	16QAM	50	0	20.94	21.11	21.20					
19	64QAM	1	0	21.15	21.22	21.38					
19	64QAM	1	25	21.13	21.21	21.51					
19	64QAM	1	49	21.16	21.30	21.55		22	2		
19	64QAM	25	0	19.97	20.10	20.20					
19	64QAM	25	12	19.94	20.09	20.28					
19	64QAM	25	25	19.85	20.11	20.32					
19	64QAM	50	0	19.85	20.10	20.26		21	3		
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.04	23.24	23.32		24	0		
5	QPSK	1	12	22.95	23.06	23.31					
5	QPSK	1	24	22.84	23.11	23.39					
5	QPSK	12	0	22.01	22.18	22.35					
5	QPSK	12	7	21.98	22.09	22.32		23	1		
5	QPSK	12	13	21.90	22.17	22.27					
5	QPSK	25	0	21.92	22.13	22.27					
5	16QAM	1	0	22.17	22.29	22.44					
5	16QAM	1	12	22.08	22.44	22.39		23	1		
5	16QAM	1	24	22.32	22.39	22.36					
5	16QAM	12	0	20.95	21.11	21.20					
5	16QAM	12	7	20.95	21.10	21.27					
5	16QAM	12	13	20.91	21.12	21.32		22	2		
5	16QAM	25	0	20.97	21.07	21.21					
5	16QAM	25	12	20.94	21.14	21.35					
5	64QAM	1	0	21.16	21.25	21.41					
5	64QAM	1	12	21.16	21.28	21.51		22	2		
5	64QAM	1	24	21.18	21.29	21.53					
5	64QAM	12	0	19.97	20.11	20.21					
5	64QAM	12	7	19.98	20.15	20.32					
5	64QAM	12	13	19.88	20.10	20.29		21	3		
5	64QAM	25	0	19.89	20.11	20.23					
Channel											
Frequency (MHz)											
1965	QPSK	1	0	23.05	23.15	23.30		24	0		
1965	QPSK	1	8	22.97	23.07	23.30					
1965	QPSK	1	14	22.92	23.15	23.28					
1965	QPSK	8	0	21.99	22.20	22.31					
1965	QPSK	8	4	21.94	22.12	22.28		23	1		
1965	QPSK	8	7	21.91	22.17	22.27					
1965	QPSK	15	0	21.94	22.14	22.25					
1965	16QAM	1	0	22.14	22.30	22.42					
1965	16QAM	1	8	22.05	22.39	22.38		23	1		
1965	16QAM	1	14	22.18	22.41	22.39					
1965	16QAM	8	0	20.94	21.09	21.16					
1965	16QAM	8	4	20.95	21.08	21.31					
1965	16QAM	8	7	20.90	21.11	21.35		22	2		
1965	16QAM	15	0	20.94	21.08	21.21					
1965	64QAM	1	0	21.16	21.20	21.40					
1965	64QAM	1	8	21.14	21.28	21.52					
1965	64QAM	1	14	21.16	21.20	21.50		22	2		
1965	64QAM	8	0	19.97	20.06	20.17					
1965	64QAM	8	4	19.95	20.09	20.27					
1965	64QAM	8	7	19.86	20.13	20.30					
1965	64QAM	15	0	19.89	20.09	20.25		21	3		
Channel											
Frequency (MHz)											
1965	QPSK	1	0	23.01	23.25	23.55		24	0		
1965	QPSK	1	3	22.98	23.07	23.28					
1965	QPSK	1	5	22.90	23.13	23.30					
1965	QPSK	3	0	23.00	23.17	23.33					
1965	QPSK	3	1	22.92	23.10	23.31		23	1		
1965	QPSK	3	3	22.90	23.11	23.29					
1965	QPSK	6	0	21.93	22.13	22.23					
1965	16QAM	1	0	22.13	22.30	22.39					
1965	16QAM	1	3	22.07	22.38	22.40		23	1		
1965	16QAM	1	5	22.10	22.39	22.35					
1965	16QAM	3	0	21.99	22.20	22.36					
1965	16QAM	3	1	21.99	22.12	22.28					
1965	16QAM	3	3	21.92	22.14	22.29		22	2		
1965	16QAM	6	0	20.92	21.10	21.22					
1965	64QAM	1	0	21.17	21.25	21.40					
1965	64QAM	1	3	21.15	21.28	21.50					
1965	64QAM	1	5	21.15	21.29	21.50		22	2		
1965	64QAM	3	0	20.97	21.08	20.96					
1965	64QAM	3	1	20.95	21.08	21.11					
1965	64QAM	3	3	20.90	21.10	21.17					
1965	64QAM	6	0	19.93	20.10	20.26		21	3		

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Main Ch / Freq	Power Main Ch / Freq	Power Main Ch / Freq	Tune-up Init (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.61	23.68	23.25			
20	QPSK	1	49	23.60	23.50	23.96		24.5	0
20	QPSK	1	99	23.60	23.25	23.98			
20	QPSK	36	0	22.72	22.77	21.90			
20	QPSK	50	24	22.72	22.48	21.90			
20	QPSK	50	50	22.63	22.34	22.01		23.5	1
20	QPSK	100	0	22.62	22.83	22.02			
20	16QAM	1	0	22.54	22.49	22.21			
20	16QAM	1	49	22.45	22.46	22.61		23.5	1
20	16QAM	1	99	22.41	22.21	21.95			
20	16QAM	50	0	21.54	21.57	20.97			
20	16QAM	50	24	21.68	21.46	20.98		22.5	2
20	16QAM	50	50	21.70	21.34	20.95			
20	16QAM	100	0	21.63	21.29	20.96			
20	16QAM	1	0	21.59	21.34	20.94			
20	64QAM	1	49	21.83	21.72	20.87		22.5	2
20	64QAM	1	99	21.88	21.26	20.92			
20	64QAM	50	0	20.59	20.56	19.80			
20	64QAM	50	24	20.67	20.56	19.87			
20	64QAM	50	50	20.74	20.31	19.95		21.5	3
20	64QAM	100	0	20.67	20.42	19.88			
Channel									
Frequency (MHz)									
19	QPSK	1	0	23.53	23.60	23.18			
19	QPSK	1	37	23.52	23.45	22.85		24.5	0
19	QPSK	1	74	23.58	23.22	22.92			
19	QPSK	36	0	22.63	22.72	21.99			
19	QPSK	36	20	22.80	22.39	21.95			
19	QPSK	36	39	22.62	22.20	21.88		23.5	1
19	QPSK	75	0	22.54	22.59	21.93			
19	16QAM	1	0	22.45	22.43	21.91			
19	16QAM	1	37	22.31	22.39	21.89		23.5	1
19	16QAM	1	74	22.26	22.13	21.80			
19	16QAM	36	0	21.49	21.47	20.85			
19	16QAM	36	20	21.65	21.33	20.90		22.5	2
19	16QAM	36	39	21.69	21.19	20.87			
19	16QAM	75	0	21.55	21.30	20.90			
19	16QAM	1	0	21.50	21.42	20.92			
19	64QAM	1	37	21.89	21.59	20.92		22.5	2
19	64QAM	1	74	21.83	21.16	20.82			
19	64QAM	36	0	20.57	20.55	19.82			
19	64QAM	36	20	20.59	20.31	19.92		21.5	3
19	64QAM	36	39	20.62	20.17	19.93			
19	64QAM	75	0	20.65	20.33	19.93			
Channel									
Frequency (MHz)									
19	QPSK	1	0	23.54	23.55	23.26			
19	QPSK	1	25	23.58	23.37	22.87		24.5	0
19	QPSK	1	49	23.54	23.13	23.04			
19	QPSK	25	0	22.63	22.71	22.05			
19	QPSK	25	12	22.71	22.47	21.82		23.5	1
19	QPSK	25	25	22.63	22.29	21.96			
19	QPSK	50	0	22.45	22.40	21.99			
19	16QAM	1	0	22.52	22.46	21.86			
19	16QAM	1	25	22.27	22.38	21.95		23.5	1
19	16QAM	1	49	22.28	22.19	21.89			
19	16QAM	25	0	21.53	21.56	20.98			
19	16QAM	25	12	21.62	21.45	20.90		22.5	2
19	16QAM	25	25	21.58	21.25	20.90			
19	16QAM	50	0	21.55	21.38	20.82			
19	64QAM	1	0	21.45	21.43	20.81			
19	64QAM	1	25	21.48	21.37	20.96		22.5	2
19	64QAM	1	49	21.73	21.25	20.88			
19	64QAM	25	0	20.40	20.32	19.93			
19	64QAM	25	12	20.52	20.42	19.85		21.5	3
19	64QAM	25	25	20.64	20.25	19.89			
19	64QAM	50	0	20.61	20.31	19.90			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.57	23.57	23.27			
5	QPSK	1	12	23.54	23.40	22.85		24.5	0
5	QPSK	1	24	23.52	23.12	22.98			
5	QPSK	12	0	22.62	22.86	22.03			
5	QPSK	12	7	22.58	22.36	21.89		23.5	1
5	QPSK	12	13	22.60	22.24	21.89			
5	QPSK	25	0	22.56	22.58	21.99			
5	16QAM	1	0	22.46	22.42	21.89		23.5	1
5	16QAM	1	12	22.29	22.46	21.96			
5	16QAM	1	24	22.38	22.19	21.91			
5	16QAM	12	0	21.48	21.54	20.85			
5	16QAM	12	7	21.64	21.43	20.89		22.5	2
5	16QAM	12	13	21.62	21.32	20.93			
5	16QAM	25	0	21.48	21.29	20.96			
5	64QAM	1	0	21.48	21.49	20.86			
5	64QAM	1	12	21.71	21.83	20.95		22.5	2
5	64QAM	1	24	21.86	21.14	20.88			
5	64QAM	12	0	20.50	20.42	19.84			
5	64QAM	12	7	20.67	20.36	19.91		21.5	3
5	64QAM	12	13	20.69	20.17	19.90			
5	64QAM	25	0	20.61	20.40	19.86			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up (last value)	MPR (dB)	
Channel									
Frequency (MHz)				2050	2100	2150			
20	QPSK	1	0	21.90	22.23	21.90			
20	QPSK	1	49	21.93	22.22	21.89		23	0
20	QPSK	1	99	21.98	21.96	21.87			
20	QPSK	50	0	21.06	21.12	21.05			
20	QPSK	50	24	21.06	21.12	21.05		22	1
20	QPSK	50	50	21.01	21.08	20.99			
20	QPSK	100	0	21.02	21.06	20.95			
20	16QAM	1	0	20.91	21.27	21.17			
20	16QAM	1	49	21.16	21.52	21.22		22	1
20	16QAM	1	99	21.29	21.26	21.13			
20	16QAM	50	0	19.95	20.06	19.95			
20	16QAM	50	24	20.03	20.11	20.03		21	2
20	16QAM	50	50	20.11	20.10	19.99			
20	16QAM	100	0	20.03	20.06	19.95			
20	64QAM	1	49	20.24	20.27	20.05		21	2
20	64QAM	1	99	20.28	20.16	20.10			
20	64QAM	50	0	18.95	19.07	18.92			
20	64QAM	50	24	19.13	18.97	19.01		20	3
20	64QAM	50	50	19.10	19.05	18.97			
20	64QAM	100	0	19.02	19.03	18.96			
Channel									
Frequency (MHz)				2052 <th>2100<th>2152</th><th>Tune-up (last value)</th><th>MPR (dB)</th><th></th></th>	2100 <th>2152</th> <th>Tune-up (last value)</th> <th>MPR (dB)</th> <th></th>	2152	Tune-up (last value)	MPR (dB)	
15	QPSK	1	0	21.92	22.18	21.85			
15	QPSK	1	37	21.85	22.16	21.81		23	0
15	QPSK	1	74	21.91	21.96	21.80			
15	QPSK	36	0	21.01	21.09	20.98			
15	QPSK	36	25	20.95	21.07	20.97		22	1
15	QPSK	36	39	20.94	20.99	20.94			
15	QPSK	75	0	20.93	20.98	20.86			
15	16QAM	1	0	20.85	21.17	21.10			
15	16QAM	1	37	21.08	21.34	21.15		22	1
15	16QAM	1	74	21.22	21.19	21.03			
15	16QAM	36	0	19.85	20.00	19.86			
15	16QAM	36	25	19.97	20.02	19.86		21	2
15	16QAM	36	39	20.02	20.05	19.89			
15	16QAM	75	0	19.96	19.95	19.89			
15	16QAM	1	0	19.92	20.05	19.90			
15	64QAM	1	37	20.14	20.19	19.99		21	2
15	64QAM	1	74	20.16	20.08	20.02			
15	64QAM	36	0	18.97	18.97	18.93			
15	64QAM	36	25	18.92	18.98	18.93		20	3
15	64QAM	36	39	19.02	18.89	18.89			
15	64QAM	75	0	18.95	18.87	18.91			
Channel									
Frequency (MHz)				2050 <th>2100<th>2150</th><th>Tune-up (last value)</th><th>MPR (dB)</th><th></th></th>	2100 <th>2150</th> <th>Tune-up (last value)</th> <th>MPR (dB)</th> <th></th>	2150	Tune-up (last value)	MPR (dB)	
10	QPSK	1	0	21.93	22.18	21.90			
10	QPSK	1	25	21.84	22.16	21.84		23	0
10	QPSK	1	49	21.86	21.89	21.82			
10	QPSK	25	0	20.96	21.09	21.03			
10	QPSK	25	12	21.01	21.05	20.88		22	1
10	QPSK	25	25	20.91	21.02	20.85			
10	QPSK	50	0	20.95	20.99	20.85			
10	16QAM	1	0	21.02	21.18	21.07			
10	16QAM	1	25	21.10	21.34	21.13		22	1
10	16QAM	1	49	21.22	21.18	21.03			
10	16QAM	25	0	19.89	19.97	19.88			
10	16QAM	25	12	19.94	20.03	19.94		21	2
10	16QAM	25	25	20.03	20.04	19.94			
10	16QAM	50	0	19.95	19.95	19.85			
10	64QAM	1	0	19.90	20.07	19.94			
10	64QAM	1	25	20.18	20.22	20.00		21	2
10	64QAM	25	49	20.23	20.09	20.00			
10	64QAM	25	75	19.87	19.87	19.82		20	3
10	64QAM	25	100	19.92	19.82	19.82			
10	64QAM	50	0	18.96	18.95	18.88			
Channel									
Frequency (MHz)				2072 <th>2100<th>2128</th><th>Tune-up (last value)</th><th>MPR (dB)</th><th></th></th>	2100 <th>2128</th> <th>Tune-up (last value)</th> <th>MPR (dB)</th> <th></th>	2128	Tune-up (last value)	MPR (dB)	
5	QPSK	1	0	21.94	22.14	21.88			
5	QPSK	1	12	21.88	22.17	21.82		23	0
5	QPSK	1	24	21.92	21.88	21.81			
5	QPSK	12	0	21.01	21.12	21.00			
5	QPSK	12	7	21.00	21.05	20.95		22	1
5	QPSK	12	13	20.95	21.02	20.89			
5	QPSK	25	0	20.94	20.98	20.80			
5	16QAM	1	0	21.00	21.17	21.08			
5	16QAM	1	12	21.10	21.34	21.17		22	1
5	16QAM	1	24	21.20	21.21	21.04			
5	16QAM	12	0	19.85	19.97	19.89			
5	16QAM	12	7	19.94	20.05	19.97		21	2
5	16QAM	12	13	20.06	20.03	19.90			
5	16QAM	25	0	19.86	19.96	19.86			
5	16QAM	25	1	19.93	20.04	19.89		20	3
5	64QAM	1	12	20.16	20.21	19.96		21	2
5	64QAM	1	24	20.19	20.11	20.05			
5	64QAM	12	0	18.88	18.98	18.84			
5	64QAM	12	7	18.96	19.07	18.84			
5	64QAM	12	13	19.04	18.95	18.88		20	3
5	64QAM	25	0	18.94	18.88	18.81			



Band 13_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch. / Freq.	Power/Main Ch. / Freq.	Power/High Ch. / Freq.	Turn-up last (dBm)	MPR (dB)				
Channel							23230					
Frequency (MHz)							782					
10	QPSK	1	0		23.99		25	0				
10	QPSK	1	25		23.88							
10	QPSK	1	49		23.98							
10	QPSK	25	0		23.10							
10	QPSK	25	12		23.02		24	1				
10	QPSK	25	25		23.07							
10	QPSK	50	0		23.08							
10	16QAM	1	0		23.91							
10	16QAM	1	25		23.95		24	1				
10	16QAM	1	49		23.97							
10	16QAM	25	0		22.16							
10	16QAM	25	12		22.15							
10	16QAM	25	25		22.13		23	2				
10	16QAM	50	0		22.16							
10	16QAM	1	0		22.42							
10	64QAM	1	25		22.32							
10	64QAM	1	49		22.32		23	2				
10	64QAM	25	0		21.15							
10	64QAM	25	12		21.16							
10	64QAM	25	25		21.14							
10	64QAM	50	0		21.15		Turn-up last (dBm)	MPR (dB)				
Channel												
Frequency (MHz)							779.5	782	784.5			
5	QPSK	1	0		23.89	23.97	25	0				
5	QPSK	1	12		23.73	23.86						
5	QPSK	1	24		23.87	23.90						
5	QPSK	12	0		23.03	23.03						
5	QPSK	12	7		23.01	22.94						
5	QPSK	12	13		23.00	23.05						
5	QPSK	25	0		22.94	22.95						
5	16QAM	1	0		23.00	22.91						
5	16QAM	1	12		23.02	22.95						
5	16QAM	1	24		22.97	22.93						
5	16QAM	12	0		22.08	22.15						
5	16QAM	12	7		22.10	22.00						
5	16QAM	12	13		22.11	22.02						
5	16QAM	25	0		22.14	22.16						
5	64QAM	1	0		22.31	22.41						
5	64QAM	1	12		22.21	22.23						
5	64QAM	1	24		22.31	22.26						
5	64QAM	12	0		21.11	21.06						
5	64QAM	12	7		21.08	21.06						
5	64QAM	12	13		20.99	21.00						
5	64QAM	25	0		21.10	21.14			22	3		
5	64QAM	25	0		21.10	21.14						

Band 13_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up (dBm)	MPR (dB)			
Channel											
23230							782				
Frequency (MHz)											
10	QPSK	1	0		23.93		24.5	0			
10	QPSK	1	25		23.91						
10	QPSK	1	49		23.91						
10	QPSK	25	0		22.89						
10	QPSK	25	12		22.86		23.5	1			
10	QPSK	25	25		22.86						
10	QPSK	50	0		22.87						
10	16QAM	1	0		23.08						
10	16QAM	1	25		23.06		23.5	1			
10	16QAM	1	49		23.10						
10	16QAM	25	0		21.84						
10	16QAM	25	12		21.82						
10	16QAM	25	25		21.83		22.5	2			
10	16QAM	50	0		21.86						
10	16QAM	1	0		22.03						
10	64QAM	1	25		21.90						
10	64QAM	1	49		22.08		22.5	2			
10	64QAM	25	0		20.85						
10	64QAM	25	12		20.80						
10	64QAM	25	25		20.87						
10	64QAM	50	0		20.88		Turn-up (dBm)	MPR (dB)			
Channel											
Frequency (MHz)							779.5	782	784.5		
5	QPSK	1	0		23.84	23.86				24.5	
5	QPSK	1	12		23.83	23.84					
5	QPSK	1	24		23.95	23.83					
5	QPSK	12	0		22.80	22.82					
5	QPSK	12	7		22.80	22.78	23.5	1			
5	QPSK	12	13		22.77	22.79					
5	QPSK	25	0		22.80	22.81					
5	16QAM	1	0		22.99	23.01					
5	16QAM	1	12		23.01	22.97	23.5	1			
5	16QAM	1	24		23.05	23.00					
5	16QAM	12	0		21.78	21.79					
5	16QAM	12	7		21.76	21.75					
5	16QAM	12	13		21.77	21.76	22.5	2			
5	16QAM	25	0		21.82	21.79					
5	64QAM	1	0		21.96	21.94					
5	64QAM	1	12		21.85	21.80					
5	64QAM	1	24		22.00	21.99	22.5	2			
5	64QAM	12	0		20.77	20.76					
5	64QAM	12	7		20.79	20.80					
5	64QAM	12	13		20.80	20.79					
5	64QAM	25	0		20.83	20.81	Turn-up (dBm)	MPR (dB)			
5	64QAM	25	0		20.83	20.80					

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up test (dB)	MPR (dB)				
Channel				23760	23766	23860						
Frequency (MHz)				709.5	710	711.5						
10	QPSK	1	0	23.97	24.02	24.16	25	0				
10	QPSK	1	25	23.95	23.92	23.98						
10	QPSK	1	49	23.79	23.77	23.77						
10	QPSK	25	0	22.81	22.84	22.81						
10	QPSK	25	12	22.89	22.87	22.86	24	1				
10	QPSK	25	25	22.83	22.89	22.88						
10	QPSK	50	0	22.89	22.90	22.91						
10	16QAM	1	0	23.00	23.10	23.01						
10	16QAM	1	25	23.08	23.15	23.18	24	1				
10	16QAM	1	49	23.08	23.10	23.20						
10	16QAM	25	0	21.80	21.86	21.86						
10	16QAM	25	12	21.84	21.88	21.80						
10	16QAM	25	25	21.88	21.86	21.89	23	2				
10	16QAM	50	0	21.83	21.87	21.86						
10	16QAM	1	0	21.95	21.94	22.00						
10	64QAM	1	25	22.08	21.92	22.08						
10	16QAM	1	48	22.07	22.09	22.09	23	2				
10	16QAM	1	0	20.94	20.93	20.91						
10	16QAM	25	12	20.93	20.96	20.96						
10	16QAM	25	25	20.97	20.97	20.97						
10	16QAM	50	0	20.93	20.99	20.96	22	3				
Channel				23765	23766	23865						
Frequency (MHz)				709.5	710	713.5						
5	QPSK	1	0	23.91	23.92	23.92			25	0		
5	QPSK	1	12	23.90	23.85	23.93						
5	QPSK	1	24	23.72	23.71	23.67						
5	QPSK	12	0	22.81	22.80	22.81						
5	QPSK	12	7	22.80	22.82	22.81	24	1				
5	QPSK	12	13	22.82	22.80	22.82						
5	QPSK	25	0	22.84	22.93	22.92						
5	QPSK	1	0	22.94	23.03	23.03						
5	16QAM	1	0	22.98	23.10	23.13	24	1				
5	16QAM	1	24	23.00	23.11	23.15						
5	16QAM	12	0	21.75	21.79	21.81						
5	16QAM	12	7	21.74	21.81	21.74						
5	16QAM	12	13	21.83	21.81	21.84	23	2				
5	16QAM	25	0	21.78	21.81	21.81						
5	16QAM	1	0	21.90	21.87	21.92						
5	16QAM	1	12	20.81	21.83	20.83						
5	16QAM	1	24	21.97	22.02	22.02	23	2				
5	16QAM	12	0	20.89	20.84	20.86						
5	16QAM	17	0	20.85	20.81	20.86						
5	16QAM	12	13	20.82	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89	22	3				
5	16QAM	25	0	20.86	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89						

Band 26_Ant 0												
BSF (MHz)	Modulation	RB Size	RB Offset	Power/Low Ch. (dBm)	Power/High Ch. (dBm)	Power/High Ch. (dBm)	Power/High Ch. (dBm)	Turn-up (ant offset)	MPR (dB)			
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.50	24.57	24.52	24.55					
15	QPSK	1	37	23.99	23.98	23.94	23.95	25	0			
15	QPSK	1	74	24.01	24.01	23.90						
15	QPSK	36	0	22.95	23.00	22.95						
15	QPSK	36	20	22.95	22.99	22.88		24	1			
15	QPSK	36	39	22.95	22.99	22.88						
15	QPSK	75	0	22.97	22.98	22.92						
15	16QAM	1	0	23.21	23.26	23.21						
15	16QAM	1	37	23.19	23.26	23.09		24	1			
15	16QAM	1	74	23.22	23.24	23.13						
15	16QAM	36	0	21.94	21.94	21.90						
15	16QAM	36	20	21.89	21.91	21.89						
15	16QAM	36	39	21.94	21.94	21.85						
15	16QAM	75	0	21.95	21.95	21.93						
15	16QAM	1	0	21.00	21.00	22.78						
15	16QAM	1	37	22.03	22.13	22.08		23	2			
15	16QAM	1	74	22.02	21.94	21.96						
15	16QAM	36	0	20.95	20.90	20.97						
15	16QAM	36	20	20.91	20.95	20.92		22	3			
15	16QAM	36	39	20.95	20.95	20.88						
15	16QAM	75	0	20.97	20.90	20.92						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.74	23.68	23.60	23.74	Turn-up (ant offset)	MPR (dB)			
10	QPSK	1	25	23.94	23.97	23.94						
10	QPSK	1	25	23.90	23.90	23.85		23	0			
10	QPSK	1	49	23.95	23.92	23.84						
10	QPSK	1	74	23.92	23.92	23.83						
10	QPSK	25	12	22.83	22.80	22.83		24	1			
10	QPSK	25	25	22.88	22.84	22.78						
10	16QAM	50	0	22.92	22.88	22.88		22	1			
10	16QAM	1	0	23.15	23.21	23.11						
10	16QAM	1	25	23.11	23.15	23.09						
10	16QAM	1	49	23.12	23.08	23.08						
10	16QAM	25	0	21.89	21.81	21.82						
10	16QAM	25	12	21.79	21.85	21.82						
10	16QAM	25	25	21.90	21.88	21.80		23	2			
10	16QAM	50	0	21.96	21.88	21.85						
10	16QAM	1	0	21.93	21.89	22.12						
10	16QAM	1	25	21.95	22.06	22.02		23	2			
10	16QAM	1	49	21.98	21.87	21.91						
10	16QAM	25	0	20.88	20.85	20.81						
10	16QAM	25	12	20.98	20.88	20.85		22	3			
10	16QAM	25	25	20.93	20.88	20.79						
10	16QAM	50	0	20.92	20.88	20.83						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.97	24.00	23.95		Turn-up (ant offset)	MPR (dB)			
5	QPSK	1	2	23.97	23.92	23.88		25	0			
5	QPSK	1	24	23.96	23.96	23.84						
5	QPSK	12	0	22.91	22.90	22.86						
5	QPSK	12	7	22.83	22.81	22.80		24	1			
5	QPSK	12	13	22.88	22.84	22.77						
5	QPSK	25	0	22.89	22.90	22.84						
5	16QAM	1	0	23.14	23.19	23.15						
5	16QAM	1	12	23.12	23.18	23.08		24	1			
5	16QAM	1	24	23.14	23.05	23.08						
5	16QAM	12	7	21.88	21.85	21.85						
5	16QAM	12	13	21.83	21.81	21.80		23	2			
5	16QAM	12	13	21.86	21.88	21.77						
5	16QAM	25	0	21.90	21.90	21.86						
5	16QAM	1	0	21.93	21.87	22.10						
5	16QAM	1	12	21.97	22.04	22.02		23	2			
5	16QAM	1	24	21.96	21.84	21.90						
5	16QAM	12	0	20.87	20.84	20.82						
5	16QAM	12	7	20.83	20.88	20.86		22	3			
5	16QAM	12	13	20.91	20.88	20.81						
5	16QAM	25	0	20.87	20.89	20.85						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.97	24.00	23.97	24.00	Turn-up (ant offset)	MPR (dB)			
3	QPSK	1	8	23.99	23.90	23.88		25	0			
3	QPSK	1	14	23.95	23.96	23.85						
3	QPSK	8	0	22.90	22.91	22.86						
3	QPSK	8	4	22.92	22.95	22.83						
3	QPSK	8	7	22.90	22.91	22.76		24	1			
3	QPSK	15	0	22.91	22.92	22.87						
3	16QAM	1	0	23.11	23.21	23.16						
3	16QAM	1	8	23.10	23.23	22.99		24	1			
3	16QAM	1	14	23.15	23.08	23.03						
3	16QAM	8	0	21.89	21.91	21.84						
3	16QAM	8	4	21.80	21.86	21.83						
3	16QAM	8	7	21.87	21.84	21.77		23	2			
3	16QAM	15	0	21.87	21.89	21.88						
3	16QAM	1	0	21.86	21.90	22.13						
3	16QAM	1	8	21.98	22.04	21.99		23	2			
3	16QAM	1	14	21.97	21.86	21.88						
3	16QAM	8	0	20.94	20.93	20.92						
3	16QAM	8	4	20.80	20.86	20.87		22	3			
3	16QAM	8	7	20.84	20.85	20.80						
3	16QAM	15	0	20.92	20.90	20.84						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.47	23.15	24.00	23.94	Turn-up (ant offset)	MPR (dB)			
1.4	QPSK	1	3	23.90	23.88	23.88						
1.4	QPSK	1	3	23.92	23.95	23.88		25	0			
1.4	QPSK	3	0	23.93	24.00	23.94						
1.4	QPSK	3	3	23.94	23.90	23.88						
1.4	QPSK	3	3	23.91	23.95	23.92						
1.4	QPSK	6	0	22.92	22.90	22.88		24	1			
1.4	16QAM	1	0	23.17	23.21	23.16						
1.4	16QAM	1	3	23.14	23.17	23.03		24	1			
1.4	16QAM	1	3	23.13	23.08	23.05						
1.4	16QAM	3	0	22.93	22.92	22.90		24	1			
1.4	16QAM	3	3	22.86	22.84	22.79						
1.4	16QAM	3	3	22.86	22.83	22.75						
1.4	16QAM	6	0	21.86	21.87	21.88		22	3			
1.4	16QAM	1	0	21.91	21.89	22.08						
1.4	16QAM	1	3	21.95	22.06	22.00						
1.4	16QAM	1	5	21.98	21.87	21.87						
1.4	16QAM	3	0	21.89	21.94	21.94		23	2			
1.4	16QAM	3	3	21.79	21.82	21.84						
1.4	16QAM	3	3	21.91	21.84	21.77						
1.4	16QAM	6	0	20.88	20.89	20.85		22	3			

Band 26_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (dB)	Power Med. (dB)	Power High (dB)	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				20765	20865	20965			
15	QPSK	1	0	23.05	23.30	23.55			
15	QPSK	1	37	23.89	23.94	23.91	24.5	0	
15	QPSK	1	74	23.96	23.95	23.81			
15	QPSK	36	0	22.53	22.54	22.59			
15	QPSK	36	20	22.83	22.85	22.84	23.5	1	
15	QPSK	36	59	22.87	22.88	22.77			
15	QPSK	75	0	22.87	22.89	22.86			
15	16QAM	1	0	22.99	23.02	23.23			
15	16QAM	1	37	23.15	23.15	23.16	23.5	1	
15	16QAM	1	74	23.19	23.17	23.09			
15	16QAM	36	0	21.54	21.57	21.54			
15	16QAM	36	20	21.85	21.88	21.88	22.5	2	
15	16QAM	36	59	21.87	21.86	21.81			
15	16QAM	75	0	21.89	21.89	21.91			
15	16QAM	1	0	22.70	22.70	22.75			
15	16QAM	1	37	22.04	22.04	22.15	22.5	2	
15	16QAM	1	74	22.04	22.11	21.78			
15	16QAM	36	0	20.85	20.87	20.93			
15	16QAM	36	20	20.84	20.87	20.86	21.5	3	
15	16QAM	36	59	20.87	20.87	20.89			
15	16QAM	75	0	20.87	20.87	20.89			
Channel									
Frequency (MHz)				20740	20845	20950	Turn-on time (dBm)	MFR (dB)	
				819	831.5	844			
15	QPSK	1	0	23.90	23.89	23.84			
15	QPSK	1	25	23.80	23.86	23.82	24.5	0	
15	QPSK	1	49	23.80	23.88	23.76			
15	QPSK	25	0	22.84	22.88	22.85			
15	QPSK	25	12	22.75	22.78	22.75	23.5	1	
15	QPSK	25	25	22.77	22.81	22.89			
15	QPSK	50	0	22.82	22.80	22.82			
15	16QAM	1	0	22.90	23.03	23.16			
15	16QAM	1	25	23.05	23.06	23.10	23.5	1	
15	16QAM	1	49	23.13	23.12	23.00			
15	16QAM	25	0	21.76	21.80	21.83			
15	16QAM	25	12	21.76	21.82	21.83	22.5	2	
15	16QAM	25	25	21.77	21.75	21.73			
15	16QAM	50	0	21.83	21.87	21.82			
15	16QAM	1	0	22.01	21.98	22.06			
15	16QAM	1	25	21.99	22.08	22.01	22	2	
15	16QAM	1	49	21.97	22.03	21.95			
15	16QAM	25	0	20.76	20.85	20.85			
15	16QAM	25	12	20.78	20.78	20.78	21.5	3	
15	16QAM	25	25	20.83	20.72	20.72			
15	16QAM	50	0	20.81	20.78	20.80			
Channel									
Frequency (MHz)				20715	20865	27015	Turn-on time (dBm)	MFR (dB)	
				816.5	831.5	845.5			
15	QPSK	1	0	23.90	23.91	23.85			
15	QPSK	1	25	23.84	23.87	23.81	24.5	0	
15	QPSK	1	24	23.88	23.88	23.76			
15	QPSK	12	0	22.88	22.87	22.79			
15	QPSK	12	7	22.75	22.75	22.76	23.5	1	
15	QPSK	12	13	22.78	22.76	22.67			
15	QPSK	25	0	22.80	22.81	22.76			
15	QPSK	25	0	22.93	22.97	23.13			
15	16QAM	1	12	23.08	23.07	23.10	23.5	1	
15	16QAM	1	24	23.12	23.10	23.04			
15	16QAM	12	0	21.77	21.78	21.83			
15	16QAM	12	7	21.79	21.81	21.76	22.5	2	
15	16QAM	12	13	21.82	21.80	21.71			
15	16QAM	25	0	21.79	21.80	21.85			
15	16QAM	1	0	22.02	21.87	22.05	22.5	2	
15	16QAM	1	12	21.99	22.08	22.02			
15	16QAM	1	24	21.95	22.05	21.98	22.5	2	
15	16QAM	12	0	20.80	20.77	20.84			
15	16QAM	12	7	20.75	20.82	20.79	21.5	3	
15	16QAM	12	13	20.83	20.74	20.71			
15	16QAM	25	0	20.77	20.81	20.80			
Channel									
Frequency (MHz)				20715	20865	24715	Turn-on time (dBm)	MFR (dB)	
				816.5	831.5	845.5			
3	QPSK	1	0	23.90	23.91	23.87			
3	QPSK	1	8	23.82	23.89	23.82	24.5	0	
3	QPSK	1	14	23.80	23.84	23.71			
3	QPSK	8	0	22.87	22.88	22.79			
3	QPSK	8	4	22.76	22.77	22.68	23.5	1	
3	QPSK	8	7	22.81	22.77	22.67			
3	QPSK	15	0	22.77	22.82	22.80			
3	16QAM	1	0	22.89	23.03	23.15			
3	16QAM	1	8	23.05	23.08	23.10	23.5	1	
3	16QAM	1	14	23.11	23.10	23.08			
3	16QAM	8	0	21.75	21.79	21.82			
3	16QAM	8	4	21.80	21.83	21.78	22.5	2	
3	16QAM	8	7	21.82	21.78	21.71			
3	16QAM	15	0	21.82	21.82	21.84			
3	16QAM	1	0	22.06	21.98	22.07	22.5	2	
3	16QAM	1	8	21.94	22.10	21.99			
3	16QAM	1	14	21.97	22.05	21.71	22.5	2	
3	16QAM	8	0	20.77	20.80	20.88			
3	16QAM	8	4	20.75	20.85	20.76	21.5	3	
3	16QAM	8	7	20.81	20.76	20.76			
3	16QAM	15	0	20.80	20.79	20.82			
Channel									
Frequency (MHz)				20697	20865	27033	Turn-on time (dBm)	MFR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.95	23.91	23.85			
1.4	QPSK	1	3	23.82	23.84	23.81			
1.4	QPSK	1	7	23.86	23.86	23.79	24.5	0	
1.4	QPSK	3	0	22.90	22.92	22.88			
1.4	QPSK	3	1	23.84	23.85	23.81			
1.4	QPSK	3	1	23.76	23.88	23.74			
1.4	QPSK	6	0	22.79	22.83	22.80	23.5	1	
1.4	16QAM	1	0	22.91	23.02	23.16			
1.4	16QAM	1	3	23.10	23.10	23.06			
1.4	16QAM	1	5	23.10	23.08	23.00	23.5	1	
1.4	16QAM	3	0	22.83	22.86	22.82			
1.4	16QAM	3	1	22.78	22.75	22.76			
1.4	16QAM	3	1	22.79	22.79	22.72			
1.4	16QAM	6	0	21.84	21.87	21.82	22.5	2	
1.4	16QAM	1	0	22.03	21.88	22.07			
1.4	16QAM	1	3	21.99	22.08	22.00			
1.4	16QAM	3	5	21.97	22.06	21.70	22.5	2	
1.4	16QAM	3	1	21.76	21.77	21.84			
1.4	16QAM	3	1	21.76	21.79	21.81			
1.4	16QAM	3	3	21.82	21.79	21.71			
1.4	16QAM	6	0	20.80	20.82	20.82	21.5	3	

Band 66_Ant 1												
BW (MHz)	Modulation	RB Size	RF Offset	Power Low Pwr Co	Power Med Pwr Co	Power High Pwr Co	Turn-on and (dBm)	MPR (dB)				
Channel				132072	132052	132032						
Frequency (MHz)				1717.5	1745	1772.5						
20	QPSK	1	0	23.48	23.51	23.56						
20	QPSK	1	40	23.38	23.37	23.04		24	0			
20	QPSK	1	90	23.38	23.26	23.04						
20	QPSK	50	0	22.37	22.45	22.20						
20	QPSK	50	24	22.37	22.25	22.04		23	1			
20	QPSK	50	50	22.25	22.22	22.04						
20	QPSK	100	0	22.35	22.30	22.10						
20	16QAM	1	0	22.77	22.60	22.05						
20	16QAM	1	40	22.63	22.66	22.22		23	1			
20	16QAM	50	24	22.70	22.65	22.05						
20	16QAM	50	50	22.40	21.37	21.19						
20	16QAM	100	0	21.36	21.30	21.10						
20	16QAM	50	50	21.28	21.29	21.04		22	2			
20	16QAM	100	0	21.33	21.34	21.08						
20	16QAM	1	0	21.60	21.59	21.08						
20	64QAM	1	40	21.41	21.53	21.27		22	2			
20	64QAM	1	90	21.23	21.37	21.04						
20	64QAM	50	24	20.42	20.34	20.16						
20	64QAM	50	24	20.35	20.31	20.08		21	3			
20	64QAM	50	50	20.30	20.27	20.02						
20	64QAM	100	0	20.37	20.31	20.08						
Channel				133047	133022	132997	Turn-on and (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	23.40	23.46	23.28						
15	QPSK	1	37	23.33	23.31	22.94		24	0			
15	QPSK	1	74	23.17	23.16	22.94						
15	QPSK	36	0	23.31	23.28	22.12						
15	QPSK	36	20	22.25	22.20	22.02		23	1			
15	QPSK	36	36	22.18	22.18	21.96						
15	QPSK	75	0	22.27	22.29	22.05						
15	16QAM	1	0	22.80	22.79	22.02		23	1			
15	16QAM	1	37	22.47	22.50	22.13						
15	16QAM	1	74	22.24	22.30	22.03						
15	16QAM	36	0	21.36	21.30	21.11						
15	16QAM	36	20	21.29	21.21	21.05		22	2			
15	16QAM	36	36	21.22	21.19	21.05						
15	64QAM	1	0	21.27	21.34	21.03						
15	64QAM	1	0	21.60	21.51	21.43		22	2			
15	64QAM	1	37	21.36	21.47	21.21						
15	64QAM	1	74	21.16	21.29	20.95						
15	64QAM	36	0	20.33	20.27	20.09						
15	64QAM	36	20	20.30	20.23	20.01		21	3			
15	64QAM	36	36	20.21	20.16	19.92						
15	64QAM	75	0	20.27	20.22	19.99						
Channel				133012	132992	132962	Turn-on and (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1775						
10	QPSK	1	0	23.42	23.45	23.26						
10	QPSK	1	20	23.32	23.30	22.99		24	0			
10	QPSK	1	40	23.18	23.16	22.85						
10	QPSK	25	0	22.30	22.37	22.10						
10	QPSK	25	12	22.23	22.24	22.03		23	1			
10	QPSK	25	25	22.21	22.22	22.01						
10	QPSK	50	0	22.28	22.27	22.01						
10	16QAM	1	0	22.71	22.56	22.09						
10	16QAM	1	20	22.48	22.67	22.14		23	1			
10	16QAM	1	40	22.26	22.33	22.09						
10	16QAM	1	60	22.33	22.41	22.12						
10	16QAM	25	12	21.27	21.22	21.03		22	2			
10	16QAM	25	20	21.22	21.20	20.97						
10	16QAM	50	0	21.84	21.27	21.02						
10	64QAM	1	0	21.63	21.52	21.45		21	3			
10	64QAM	1	20	21.32	21.45	21.18						
10	64QAM	1	40	21.14	21.29	20.99						
10	64QAM	25	0	20.37	20.24	20.10						
10	64QAM	25	12	20.29	20.24	19.98		21	3			
10	64QAM	25	20	20.22	20.15	19.96						
10	64QAM	50	0	20.26	20.22	20.02						
Channel				133017	132992	132967	Turn-on and (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1777.5						
5	QPSK	1	0	23.41	23.42	23.28						
5	QPSK	1	12	23.31	23.32	22.98		24	0			
5	QPSK	1	24	23.16	23.16	22.83						
5	QPSK	12	0	23.31	23.28	22.12						
5	QPSK	12	7	22.21	22.22	22.01		23	1			
5	QPSK	12	13	22.19	22.19	21.99						
5	16QAM	1	0	22.29	22.26	22.04						
5	16QAM	1	0	22.68	22.54	22.56		23	1			
5	16QAM	1	12	22.43	22.18	22.14						
5	16QAM	1	24	22.24	22.40	21.99		22	2			
5	16QAM	12	0	21.31	21.30	21.13						
5	16QAM	12	7	21.29	21.20	21.02						
5	16QAM	12	13	21.20	21.21	20.97						
5	16QAM	15	0	21.26	21.26	21.09		21	3			
5	64QAM	1	0	21.54	21.48	21.48						
5	64QAM	1	12	21.34	21.45	21.17		22	2			
5	64QAM	1	24	21.16	21.27	20.96						
5	64QAM	12	0	20.32	20.24	20.07						
5	64QAM	12	7	20.39	20.21	20.12		21	3			
5	64QAM	12	13	20.30	20.19	19.96						
5	64QAM	25	0	20.27	20.22	20.01						
Channel				131887	132922	132657	Turn-on and (dBm)	MPR (dB)				
Frequency (MHz)				1711.5	1745	1779.5						
3	QPSK	1	0	23.38	23.46	23.26						
3	QPSK	1	8	23.28	23.29	22.97		24	0			
3	QPSK	8	16	23.19	23.18	22.85						
3	QPSK	8	0	22.29	22.27	22.14						
3	QPSK	8	4	22.25	22.21	22.06		23	1			
3	QPSK	8	7	22.22	22.23	22.07						
3	16QAM	1	0	22.29	22.22	22.01		22	2			
3	16QAM	1	8	22.30	22.57	22.60						
3	16QAM	1	8	22.43	22.59	22.17		23	1			
3	16QAM	1	14	22.27	22.38	22.00						
3	16QAM	8	0	21.30	21.28	21.11						
3	16QAM	8	4	21.26	21.21	21.04		22	2			
3	16QAM	8	7	21.20	21.21	20.97						
3	16QAM	15	0	21.25	21.28	21.01						
3	64QAM	1	0	21.64	21.50	21.44						
3	64QAM	1	8	21.36	21.45	21.20		22	2			
3	64QAM	1	8	21.15	21.28	21.03						
3	64QAM	8	0	20.34	20.29	20.10						
3	64QAM	8	4	20.38	20.23	20.03		21	3			
3	64QAM	8	7	20.33	20.18	19.92						
3	64QAM	15	0	20.25	20.25	19.99						
Channel				131857	132952	132697	Turn-on and (dBm)	MPR (dB)				
Frequency (MHz)				1710.5	1745	1779.5						
1.4	QPSK	1	0	23.43	23.42	23.27						
1.4	QPSK	1	3	23.33	23.32	22.97		24	0			
1.4	QPSK	1	5	23.18	23.20	22.81						
1.4	QPSK	3	0	22.42	22.46	22.29						
1.4	QPSK	3	1	22.31	22.29	22.06						
1.4	QPSK	3	3	22.20	22.20	22.05		23	1			
1.4	QPSK	6	0	22.29	22.28	22.03		25	1			
1.4	16QAM	1	0	22.72	22.54	22.57						
1.4	16QAM	1	3	22.44	22.56	22.17						
1.4	16QAM	1	5	22.37	22.35	22.01						
1.4	16QAM	3	0	22.29	22.40	22.14		23	1			
1.4	16QAM	3	1	22.25	22.23	22.02						
1.4	16QAM	3	3	21.29	22.20	21.97						
1.4	16QAM	6	0	21.26	21.24	21.03		22	2			
1.4	16QAM	1	3	21.52	21.45	21.47						
1.4	64QAM	1	3	21.35	21.47	21.19						
1.4	64QAM	1	5	21.17	21.29	20.94		22	2			
1.4	64QAM	3	0	21.29	21.24	21.01						
1.4	64QAM	3	1	21.21	21.19	20.97						
1.4	64QAM	3	3	21.33	21.35	21.03		21	3			
1.4	64QAM	6	0	20.26	20.21	20.03						

Band 66_Ant 4										
BW [MHz]	Modulation	BS Size	RB Offset	Power Low Ch. [dBm]	Power Med. Ch. [dBm]	Power High Ch. [dBm]	Turn-on time [ms]	MFR [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.2	23.3	23.08				
20	QPSK	1	49	23.62	23.67	23.47	24.5	0		
20	QPSK	50	0	23.62	23.70	23.50				
20	QPSK	50	24	23.68	23.76	23.56	23.5	1		
20	QPSK	50	50	23.43	23.37	23.27				
20	QPSK	100	0	22.66	22.57	22.49				
20	16QAM	1	0	22.57	23.01	22.86				
20	16QAM	1	49	22.74	22.77	22.76	23.5	1		
20	16QAM	50	0	22.63	22.69	22.64				
20	16QAM	50	24	22.72	22.58	22.48				
20	16QAM	50	50	21.55	21.53	21.47	22.5	2		
20	16QAM	100	0	21.55	21.47	21.35				
20	64QAM	1	49	21.74	21.74	21.74	22.5	1		
20	64QAM	1	49	21.74	21.63	21.57	22.5	1		
20	64QAM	1	99	21.76	21.70	21.59				
20	64QAM	50	24	20.69	20.60	20.56				
20	64QAM	50	24	20.68	20.51	20.37	21.5			
20	64QAM	50	99	20.48	20.33	20.21				
20	64QAM	100	0	20.60	20.45	20.30				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.17.5	17.45	17.72.5				
15	QPSK	1	37	23.18	23.62	23.54	24.5	0		
15	QPSK	1	37	23.18	23.47	23.43				
15	QPSK	36	0	23.41	23.62	23.43				
15	QPSK	36	0	23.64	22.58	22.58				
15	QPSK	36	20	22.54	22.40	22.32	23.5	1		
15	QPSK	36	39	22.38	22.28	22.21				
15	QPSK	75	0	22.43	22.55	22.36				
15	16QAM	1	74	22.44	22.39	22.34	23.5	1		
15	16QAM	1	37	20.70	22.54	22.75	22.5	1		
15	16QAM	1	74	22.71	22.69	22.65				
15	16QAM	36	0	21.57	21.48	21.37				
15	16QAM	36	20	21.50	21.47	21.38	22.5	2		
15	16QAM	36	20	21.42	21.32	21.23				
15	16QAM	75	0	21.43	21.33	21.32				
15	64QAM	1	0	21.65	21.83	21.75				
15	64QAM	1	37	21.73	21.55	21.45	22.5	2		
15	64QAM	1	74	21.68	21.58	21.53				
15	64QAM	36	0	20.55	20.45	20.34	21.5	3		
15	64QAM	36	20	20.55	20.50	20.32				
15	64QAM	36	39	20.37	20.24	20.18				
15	64QAM	75	0	20.51	20.38	20.29				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.08	23.11	23.01				
10	QPSK	1	20	23.58	23.46	23.40	24.5	0		
10	QPSK	1	49	23.37	23.62	23.50				
10	QPSK	25	0	22.62	22.55	22.48				
10	QPSK	25	12	22.43	22.46	22.36	23.5	1		
10	QPSK	25	29	22.39	22.22	22.12				
10	QPSK	50	0	22.42	22.48	22.39				
10	16QAM	1	0	22.49	22.88	22.74				
10	16QAM	1	25	22.71	22.68	22.67	23.5	1		
10	16QAM	1	49	22.69	22.77	22.76				
10	16QAM	25	0	21.40	21.31	21.24	22.5	2		
10	16QAM	25	12	21.40	21.50	21.43				
10	16QAM	25	29	21.36	21.23	21.20	22.5	2		
10	16QAM	50	0	21.63	21.32	21.24				
10	64QAM	1	0	21.62	21.80	21.79				
10	64QAM	1	25	21.68	21.51	21.48	22.5	2		
10	64QAM	1	49	21.69	21.62	21.51				
10	64QAM	25	0	20.65	20.48	20.42				
10	64QAM	25	12	20.48	20.42	20.27	21.5	3		
10	64QAM	25	29	20.37	20.25	20.23				
10	64QAM	50	0	20.46	20.36	20.26				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.68	23.47				
5	QPSK	1	12	23.53	23.49	23.32	24.5	0		
5	QPSK	1	24	23.51	23.65	23.53				
5	QPSK	12	0	23.64	22.57	22.57				
5	QPSK	12	7	22.55	22.39	22.37	23.5	1		
5	QPSK	12	13	22.35	22.23	22.25				
5	QPSK	26	0	22.54	22.54	22.38				
5	16QAM	1	0	22.59	22.81	22.55				
5	16QAM	1	12	22.68	22.57	22.46	23.5	1		
5	16QAM	1	24	22.73	22.76	22.67				
5	16QAM	12	0	21.70	21.49	21.43				
5	16QAM	12	7	21.48	21.41	21.36	22.5	2		
5	16QAM	12	13	21.41	21.25	21.30				
5	16QAM	26	0	21.46	21.41	21.23				
5	64QAM	1	0	21.60	21.82	21.81				
5	64QAM	1	12	21.64	21.48	21.54	22.5	2		
5	64QAM	1	24	21.66	21.57	21.52				
5	64QAM	12	0	20.64	20.46	20.43	21.5	3		
5	64QAM	12	7	20.58	20.44	20.37				
5	64QAM	12	13	20.35	20.28	20.27				
5	64QAM	25	0	20.46	20.35	20.27				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.68	23.68	23.51				
3	QPSK	1	8	23.52	23.46	23.41	24.5	0		
3	QPSK	1	16	23.48	23.59	23.44				
3	QPSK	8	0	22.64	22.65	22.44				
3	QPSK	8	4	22.52	22.50	22.32	23.5	1		
3	QPSK	8	7	22.34	22.24	22.21				
3	QPSK	15	0	22.41	22.41	22.25				
3	16QAM	1	0	22.47	22.80	22.81				
3	16QAM	1	8	22.60	22.68	22.67	23.5	1		
3	16QAM	1	14	22.80	22.76	22.71				
3	16QAM	8	0	21.70	21.53	21.46				
3	16QAM	8	4	21.55	21.47	21.35	22.5	2		
3	16QAM	8	7	21.37	21.30	21.28				
3	16QAM	15	0	21.40	21.32	21.29				
3	64QAM	1	0	21.68	21.80	21.78				
3	64QAM	1	8	21.59	21.60	21.42	22.5	2		
3	64QAM	1	16	21.62	21.51	21.47				
3	64QAM	8	0	20.54	20.59	20.54				
3	64QAM	8	4	20.47	20.44	20.24	21.5	3		
3	64QAM	8	7	20.40	20.30	20.28				
3	64QAM	15	0	20.58	20.31	20.27				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.65	23.63	23.50				
1.4	QPSK	1	3	23.52	23.51	23.39	24.5	0		
1.4	QPSK	1	6	23.47	23.68	23.41				
1.4	QPSK	1	9	23.68	23.63	23.45				
1.4	QPSK	1	12	23.61	23.43	23.41				
1.4	QPSK	3	0	23.37	23.67	23.50				
1.4	QPSK	6	0	22.48	22.48	22.25	23.5	1		
1.4	16QAM	1	0	22.67	22.57	22.55				
1.4	16QAM	1	3	22.64	22.54	22.51				
1.4	16QAM	1	6	22.53	22.65	22.54	23.5	1		
1.4	16QAM	3	0	22.66	22.66	22.58				
1.4	16QAM	3	1	22.68	22.62	22.53				
1.4	16QAM	3	3	22.55	22.58	22.49	22.5	2		
1.4	16QAM	6	0	21.66	21.60	21.48				
1.4	64QAM	1	0	21.64	21.61	21.49	22.5	2		
1.4	64QAM	1	3	21.60	21.58	21.47				
1.4	64QAM	3	0	21.70	21.43	21.40	22.5	2		
1.4	64QAM	3	1	21.61	21.57	21.44				
1.4	64QAM	6	0	21.67	21.51	21.36				
1.4	64QAM	6	3	20.47	20.38	20.20	21.5	3		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				132072	132072	132072			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.31	23.66	25.65	24.5	0	
20	QPSK	1	49	23.22	23.65	23.58			
20	QPSK	1	99	23.25	23.52	23.57			
20	QPSK	50	0	22.26	22.52	22.57			
20	QPSK	50	24	22.26	22.56	22.52	23.5	1	
20	QPSK	50	50	22.19	22.58	22.51			
20	QPSK	100	0	22.22	22.54	22.52			
20	16QAM	1	0	22.67	22.66	22.67			
20	16QAM	1	49	22.48	22.65	22.76	23.5	1	
20	16QAM	1	99	22.57	22.69	22.56			
20	16QAM	50	0	21.24	21.48	21.66			
20	16QAM	50	24	21.26	21.53	21.80			
20	16QAM	50	50	21.21	21.56	21.80	22.5	2	
20	16QAM	100	0	21.22	21.52	21.58			
20	16QAM	1	0	21.41	21.63	21.65			
20	64QAM	1	49	21.36	21.69	21.76			
20	64QAM	1	99	21.38	21.69	21.57	22.5	2	
20	64QAM	50	0	20.24	20.48	20.63			
20	64QAM	50	24	20.24	20.53	20.80			
20	64QAM	50	50	20.18	20.57	20.58			
20	64QAM	100	0	20.20	20.52	20.57	21.5	3	
Channel				132047	132022	132097			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.21	23.59	23.56		24.5	
15	QPSK	1	37	23.14	23.48	23.49			
15	QPSK	1	74	23.19	23.43	23.48			
15	QPSK	36	0	22.18	22.51	22.51			
15	QPSK	36	20	22.20	22.48	22.45	23.5	1	
15	QPSK	36	36	22.14	22.51	22.46			
15	QPSK	75	0	22.17	22.45	22.45			
15	16QAM	1	0	22.52	22.60	22.58			
15	16QAM	1	37	22.39	22.72	22.73	23.5	1	
15	16QAM	1	74	22.48	22.62	22.47			
15	16QAM	36	0	21.19	21.42	21.56			
15	16QAM	36	20	21.17	21.45	21.52			
15	16QAM	36	36	21.13	21.49	21.50	22.5	2	
15	16QAM	75	0	21.13	21.47	21.52			
15	64QAM	1	0	21.31	21.58	21.57			
15	64QAM	1	37	21.29	21.63	21.69			
15	64QAM	1	74	21.31	21.54	21.49	22.5	2	
15	64QAM	36	0	20.14	20.40	20.56			
15	64QAM	36	20	20.16	20.43	20.55			
15	64QAM	36	36	20.08	20.50	20.50			
15	64QAM	75	0	20.13	20.45	20.50	21.5	3	
Channel				132022	132022	132022			
Frequency (MHz)				1715.5	1745	1770			
10	QPSK	1	0	23.23	23.61	23.56		24.5	
10	QPSK	1	25	23.17	23.47	23.52			
10	QPSK	1	49	23.16	23.47	23.47			
10	QPSK	25	0	22.22	22.50	22.49			
10	QPSK	25	12	22.17	22.48	22.47	23.5	1	
10	QPSK	25	25	22.13	22.48	22.43			
10	QPSK	50	0	22.17	22.48	22.43			
10	16QAM	1	0	22.51	22.58	22.62			
10	16QAM	1	25	22.42	22.71	22.70	23.5	1	
10	16QAM	1	49	22.52	22.64	22.48			
10	16QAM	25	0	21.14	21.42	21.59			
10	16QAM	25	12	21.19	21.47	21.53			
10	16QAM	25	25	21.16	21.49	21.51	22.5	2	
10	16QAM	50	0	21.14	21.45	21.54			
10	64QAM	1	0	21.32	21.53	21.60			
10	64QAM	1	25	21.29	21.60	21.68			
10	64QAM	1	49	21.32	21.49	21.49	22.5	2	
10	64QAM	25	0	20.14	20.40	20.56			
10	64QAM	25	12	20.19	20.45	20.52			
10	64QAM	25	25	20.11	20.47	20.53			
10	64QAM	50	0	20.14	20.40	20.47	21.5	3	
Channel				131997	132022	132047			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.22	23.58	23.58		24.5	
5	QPSK	1	12	23.13	23.46	23.52			
5	QPSK	1	24	23.19	23.42	23.47			
5	QPSK	12	0	22.16	22.52	22.48			
5	QPSK	12	7	22.20	22.48	22.45	23.5	1	
5	QPSK	12	13	22.13	22.48	22.45			
5	QPSK	25	0	22.16	22.49	22.46			
5	16QAM	1	0	22.48	22.55	22.60			
5	16QAM	1	12	22.39	22.72	22.68	23.5	1	
5	16QAM	1	24	22.52	22.60	22.50			
5	16QAM	12	0	21.19	21.38	21.60			
5	16QAM	12	7	21.21	21.47	21.51			
5	16QAM	12	13	21.13	21.51	21.53	22.5	2	
5	16QAM	25	0	21.17	21.48	21.49			
5	64QAM	1	0	21.35	21.54	21.55			
5	64QAM	1	12	21.29	21.63	21.71			
5	64QAM	1	24	21.28	21.51	21.47	22.5	2	
5	64QAM	12	0	20.19	20.45	20.53			
5	64QAM	12	7	20.15	20.47	20.55			
5	64QAM	12	13	20.08	20.52	20.48			
5	64QAM	25	0	20.13	20.43	20.50	21.5	3	
Channel				131987	132022	132057			
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	23.24	23.57	23.59		24.5	
3	QPSK	1	8	23.17	23.49	23.50			
3	QPSK	1	14	23.17	23.45	23.49			
3	QPSK	8	0	22.21	22.51	22.51			
3	QPSK	8	4	22.19	22.47	22.43	23.5	1	
3	QPSK	8	7	22.09	22.49	22.46			
3	QPSK	15	0	22.14	22.49	22.45			
3	16QAM	1	0	22.48	22.55	22.60			
3	16QAM	1	8	22.39	22.74	22.68	23.5	1	
3	16QAM	1	14	22.47	22.59	22.51			
3	16QAM	8	0	21.19	21.40	21.57			
3	16QAM	8	4	21.21	21.48	21.53			
3	16QAM	8	7	21.15	21.48	21.50	22.5	2	
3	16QAM	15	0	21.16	21.45	21.51			
3	64QAM	1	0	21.32	21.53	21.50			
3	64QAM	1	8	21.28	21.64	21.70			
3	64QAM	1	14	21.33	21.54	21.47	22.5	2	
3	64QAM	8	0	20.15	20.39	20.57			
3	64QAM	8	4	20.15	20.44	20.50			
3	64QAM	8	7	20.08	20.47	20.51			
3	64QAM	15	0	20.11	20.44	20.49	21.5	3	
Channel				131979	132022	132068			
Frequency (MHz)				1710.7	1745	1776.3			
1.4	QPSK	1	0	23.24	23.56	23.59		24.5	
1.4	QPSK	1	3	23.15	23.48	23.50			
1.4	QPSK	1	5	23.20	23.44	23.47			
1.4	QPSK	3	0	23.21	23.56	23.60			
1.4	QPSK	3	1	23.15	23.45	23.48	23.5	1	
1.4	QPSK	3	3	23.15	23.46	23.51			
1.4	QPSK	6	0	22.14	22.48	22.47			
1.4	16QAM	1	0	22.52	22.59	22.51			
1.4	16QAM	1	3	22.39	22.52	22.59	23.5	1	
1.4	16QAM	1	5	22.52	22.60	22.47			
1.4	16QAM	3	0	22.19	22.52	22.47			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.49	23.37	23.38	24	0
20	QPSK	1	49	23.48	23.36	23.22		
20	QPSK	1	99	23.33	23.30	23.05		
20	QPSK	50	0	22.47	22.35	22.29	23	1
20	QPSK	50	24	22.46	22.31	22.25		
20	QPSK	50	50	22.46	22.26	22.22		
20	QPSK	100	0	22.39	22.32	22.24	23	1
20	16QAM	1	0	22.40	22.28	22.13		
20	16QAM	1	49	22.49	22.40	22.28		
20	16QAM	1	99	22.44	22.31	22.32	22	2
20	16QAM	50	0	21.39	21.32	21.20		
20	16QAM	50	24	21.48	21.31	21.24		
20	16QAM	50	50	21.47	21.27	21.29	22	2
20	16QAM	100	0	21.42	21.28	21.23		
20	64QAM	1	0	21.10	20.99	20.85		
20	64QAM	1	49	21.17	21.06	21.00	22	2
20	64QAM	1	99	21.12	21.02	21.02		
20	64QAM	50	0	20.41	20.29	20.21		
20	64QAM	50	24	20.43	20.28	20.24	21	3
20	64QAM	50	50	20.41	20.21	20.27		
20	64QAM	100	0	20.42	20.27	20.22		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.40	23.28	23.21		
15	QPSK	1	37	23.38	23.27	23.12	24	0
15	QPSK	1	74	23.26	23.22	22.98		
15	QPSK	36	0	22.39	22.29	22.24		
15	QPSK	36	20	22.39	22.26	22.15	23	1
15	QPSK	36	39	22.40	22.19	22.12		
15	QPSK	75	0	22.32	22.22	22.19		
15	16QAM	1	0	22.30	22.22	22.06	23	1
15	16QAM	1	37	22.43	22.31	22.23		
15	16QAM	1	74	22.35	22.24	22.23		
15	16QAM	36	0	21.31	21.23	21.13	22	2
15	16QAM	36	20	21.41	21.24	21.14		
15	16QAM	36	39	21.42	21.17	21.21		
15	16QAM	75	0	21.35	21.21	21.17	22	2
15	64QAM	1	0	21.02	20.91	20.80		
15	64QAM	1	37	21.10	20.96	20.92		
15	64QAM	1	74	21.05	20.97	20.95	21	3
15	64QAM	36	0	20.31	20.19	20.12		
15	64QAM	36	20	20.36	20.22	20.16		
15	64QAM	36	39	20.31	20.11	20.18	21	3
15	64QAM	75	0	20.33	20.21	20.12		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.41	23.29	23.23		
10	QPSK	1	25	23.38	23.28	23.13	24	0
10	QPSK	1	49	23.26	23.20	22.97		
10	QPSK	25	0	22.42	22.26	22.20		
10	QPSK	25	12	22.41	22.22	22.17	23	1
10	QPSK	25	25	22.39	22.17	22.15		
10	QPSK	50	0	22.29	22.22	22.17		
10	16QAM	1	0	22.34	22.22	22.07	23	1
10	16QAM	1	25	22.43	22.31	22.18		
10	16QAM	1	49	22.36	22.24	22.27		
10	16QAM	25	0	21.33	21.26	21.15	22	2
10	16QAM	25	12	21.38	21.24	21.17		
10	16QAM	25	25	21.42	21.19	21.19		
10	16QAM	50	0	21.32	21.18	21.17	22	2
10	64QAM	1	0	21.02	20.94	20.79		
10	64QAM	1	25	21.11	21.00	20.92		
10	64QAM	1	49	21.07	20.94	20.96	21	3
10	64QAM	25	0	20.33	20.19	20.13		
10	64QAM	25	12	20.33	20.19	20.16		
10	64QAM	25	25	20.34	20.12	20.21	21	3
10	64QAM	50	0	20.36	20.17	20.14		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.42	23.28	23.20		
5	QPSK	1	12	23.40	23.31	23.14	24	0
5	QPSK	1	24	23.26	23.25	23.00		
5	QPSK	12	0	22.37	22.27	22.19		
5	QPSK	12	7	22.36	22.24	22.19	23	1
5	QPSK	12	13	22.38	22.20	22.14		
5	QPSK	25	0	22.34	22.25	22.17		
5	16QAM	1	0	22.32	22.23	22.05	23	1
5	16QAM	1	12	22.40	22.31	22.20		
5	16QAM	1	24	22.34	22.26	22.23		
5	16QAM	12	0	21.31	21.27	21.12	22	2
5	16QAM	12	7	21.42	21.22	21.15		
5	16QAM	12	13	21.42	21.20	21.22		
5	16QAM	25	0	21.34	21.22	21.15	22	2
5	64QAM	1	0	21.05	20.94	20.80		
5	64QAM	1	12	21.09	20.96	20.91		
5	64QAM	1	24	21.02	20.94	20.92	21	3
5	64QAM	12	0	20.31	20.21	20.11		
5	64QAM	12	7	20.38	20.18	20.18		
5	64QAM	12	13	20.33	20.11	20.19	21	3
5	64QAM	25	0	20.34	20.17	20.14		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.50	23.43	23.39	24	0
20	QPSK	1	49	23.45	23.38	23.30		
20	QPSK	1	99	23.40	23.20	23.11		
20	QPSK	50	0	22.64	22.53	22.45	23	1
20	QPSK	50	24	22.55	22.45	22.39		
20	QPSK	50	50	22.52	22.36	22.25		
20	QPSK	100	0	22.51	22.42	22.32	23	1
20	16QAM	1	0	22.65	22.73	22.51		
20	16QAM	1	49	22.74	22.70	22.54		
20	16QAM	1	99	22.68	22.47	22.34	23	1
20	16QAM	50	0	21.54	21.56	21.50		
20	16QAM	50	24	21.57	21.46	21.40		
20	16QAM	50	50	21.56	21.37	21.31	22	2
20	16QAM	100	0	21.52	21.45	21.34		
20	64QAM	1	0	21.51	21.59	21.46		
20	64QAM	1	49	21.60	21.54	21.39	22	2
20	64QAM	1	99	21.51	21.32	21.20		
20	64QAM	50	0	20.52	20.53	20.43		
20	64QAM	50	24	20.52	20.46	20.37	21	3
20	64QAM	50	50	20.52	20.36	20.26		
20	64QAM	100	0	20.50	20.47	20.32		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2596	2612.5		
15	QPSK	1	0	23.37	23.36	23.27	24	0
15	QPSK	1	37	23.41	23.36	23.22		
15	QPSK	1	74	23.31	23.15	22.96		
15	QPSK	36	0	22.53	22.52	22.40	23	1
15	QPSK	36	20	22.52	22.36	22.31		
15	QPSK	36	39	22.48	22.23	22.22		
15	QPSK	75	0	22.44	22.30	22.21	23	1
15	16QAM	1	0	22.53	22.60	22.38		
15	16QAM	1	37	22.69	22.64	22.44		
15	16QAM	1	74	22.55	22.44	22.22	23	1
15	16QAM	36	0	21.52	21.49	21.37		
15	16QAM	36	20	21.53	21.35	21.39		
15	16QAM	36	39	21.53	21.34	21.16	22	2
15	16QAM	75	0	21.49	21.37	21.33		
15	64QAM	1	0	21.36	21.45	21.42		
15	64QAM	1	37	21.50	21.49	21.31	22	2
15	64QAM	1	74	21.47	21.26	21.11		
15	64QAM	36	0	20.45	20.48	20.32		
15	64QAM	36	20	20.41	20.38	20.34	21	3
15	64QAM	36	39	20.39	20.30	20.11		
15	64QAM	75	0	20.45	20.43	20.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.41	23.40	23.28	24	0
10	QPSK	1	25	23.33	23.29	23.16		
10	QPSK	1	49	23.26	23.07	23.05		
10	QPSK	25	0	22.63	22.48	22.38	23	1
10	QPSK	25	12	22.50	22.34	22.35		
10	QPSK	25	25	22.38	22.26	22.13		
10	QPSK	50	0	22.46	22.32	22.30	23	1
10	16QAM	1	0	22.64	22.59	22.48		
10	16QAM	1	25	22.62	22.55	22.48		
10	16QAM	1	49	22.54	22.38	22.22	23	1
10	16QAM	25	0	21.46	21.55	21.49		
10	16QAM	25	12	21.50	21.33	21.31		
10	16QAM	25	25	21.54	21.34	21.28	22	2
10	16QAM	50	0	21.48	21.40	21.33		
10	64QAM	1	0	21.45	21.46	21.32		
10	64QAM	1	25	21.56	21.43	21.36	22	2
10	64QAM	1	49	21.45	21.26	21.10		
10	64QAM	25	0	20.41	20.49	20.36		
10	64QAM	25	12	20.38	20.39	20.32	21	3
10	64QAM	25	25	20.44	20.28	20.13		
10	64QAM	50	0	20.42	20.41	20.23		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2596	2617.5		
5	QPSK	1	0	23.35	23.45	23.30	24	0
5	QPSK	1	12	23.34	23.23	23.26		
5	QPSK	1	24	23.32	23.08	23.00		
5	QPSK	12	0	22.62	22.51	22.39	23	1
5	QPSK	12	7	22.42	22.32	22.38		
5	QPSK	12	13	22.47	22.35	22.20		
5	QPSK	25	0	22.41	22.32	22.23	23	1
5	16QAM	1	0	22.60	22.59	22.39		
5	16QAM	1	12	22.70	22.65	22.49		
5	16QAM	1	24	22.56	22.41	22.23	23	1
5	16QAM	12	0	21.43	21.44	21.46		
5	16QAM	12	7	21.53	21.38	21.30		
5	16QAM	12	13	21.49	21.32	21.28	22	2
5	16QAM	25	0	21.51	21.43	21.29		
5	64QAM	1	0	21.45	21.56	21.38		
5	64QAM	1	12	21.59	21.45	21.36	22	2
5	64QAM	1	24	21.43	21.25	21.17		
5	64QAM	12	0	20.41	20.44	20.40		
5	64QAM	12	7	20.40	20.35	20.31	21	3
5	64QAM	12	13	20.44	20.26	20.14		
5	64QAM	25	0	20.35	20.41	20.27		

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.34	23.74	23.93	23.64	23.69	24.5	0	
20	QPSK	1	49	23.60	23.94	23.91	23.62	23.72			
20	QPSK	1	99	23.77	23.96	23.97	23.69	23.90			
20	QPSK	50	0	22.51	22.85	22.92	22.79	22.87			
20	QPSK	50	24	22.61	22.94	22.92	22.75	22.85	23.5	1	
20	QPSK	50	50	22.69	22.97	22.96	22.82	22.95			
20	QPSK	100	0	22.63	22.90	22.96	22.75	22.80			
20	16QAM	1	0	22.46	22.84	22.96	22.67	22.80			
20	16QAM	1	49	22.60	22.94	22.98	22.79	22.94	23.5	1	
20	16QAM	1	99	22.72	22.97	22.94	22.79	22.78			
20	16QAM	50	0	21.52	21.85	21.95	21.77	21.83			
20	16QAM	50	24	21.63	21.93	21.97	21.79	21.93			
20	16QAM	50	50	21.70	21.97	21.91	21.78	21.86	22.5	2	
20	16QAM	100	0	21.61	21.91	21.93	21.81	21.85			
20	64QAM	1	0	21.11	21.55	21.64	21.49	21.53			
20	64QAM	1	49	21.37	21.64	21.64	21.61	21.54			
20	64QAM	1	99	21.55	21.73	21.61	21.51	21.53	22.5	2	
20	64QAM	50	0	20.49	20.82	20.94	20.76	20.84			
20	64QAM	50	24	20.59	20.91	20.92	20.74	20.84			
20	64QAM	50	50	20.65	20.99	20.89	20.78	20.75			
20	64QAM	100	0	20.61	20.87	20.92	20.74	20.78	21.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.25	23.68	23.87	23.55	23.64	24.5	0	
15	QPSK	1	37	23.52	23.88	23.84	23.53	23.63			
15	QPSK	1	74	23.72	23.86	23.92	23.59	23.83			
15	QPSK	36	0	22.43	22.80	22.85	22.71	22.82			
15	QPSK	36	20	22.52	22.89	22.88	22.67	22.75	23.5	1	
15	QPSK	36	39	22.59	22.92	22.88	22.74	22.90			
15	QPSK	75	0	22.53	22.80	22.88	22.67	22.71			
15	16QAM	1	0	22.39	22.79	22.86	22.57	22.72			
15	16QAM	1	37	22.50	22.89	22.88	22.74	22.88	23.5	1	
15	16QAM	1	74	22.66	22.89	22.86	22.70	22.72			
15	16QAM	36	0	21.42	21.76	21.86	21.72	21.73			
15	16QAM	36	20	21.54	21.88	21.87	21.71	21.86			
15	16QAM	36	39	21.63	21.88	21.84	21.68	21.80	22.5	2	
15	16QAM	75	0	21.54	21.83	21.87	21.76	21.77			
15	64QAM	1	0	21.06	21.50	21.55	21.42	21.44			
15	64QAM	1	37	21.31	21.54	21.56	21.55	21.45			
15	64QAM	1	74	21.49	21.68	21.52	21.42	21.44	22.5	2	
15	64QAM	36	0	20.44	20.76	20.85	20.69	20.78			
15	64QAM	36	20	20.51	20.81	20.83	20.66	20.79			
15	64QAM	36	39	20.60	20.92	20.80	20.73	20.66			
15	64QAM	75	0	20.54	20.77	20.86	20.64	20.71	21.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.27	23.64	23.88	23.57	23.59	24.5	0	
10	QPSK	1	25	23.51	23.86	23.83	23.52	23.66			
10	QPSK	1	49	23.71	23.90	23.90	23.61	23.85			
10	QPSK	25	0	22.43	22.79	22.87	22.70	22.80			
10	QPSK	25	12	22.56	22.88	22.92	22.70	22.76	23.5	1	
10	QPSK	25	25	22.59	22.90	22.91	22.74	22.88			
10	QPSK	50	0	22.53	22.82	22.87	22.67	22.74			
10	16QAM	1	0	22.40	22.78	22.91	22.60	22.72			
10	16QAM	1	25	22.53	22.89	22.91	22.69	22.89	23.5	1	
10	16QAM	1	49	22.67	22.88	22.87	22.74	22.69			
10	16QAM	25	0	21.47	21.80	21.86	21.68	21.74			
10	16QAM	25	12	21.58	21.83	21.91	21.71	21.88			
10	16QAM	25	25	21.65	21.87	21.85	21.69	21.77	22.5	2	
10	16QAM	50	0	21.54	21.82	21.87	21.71	21.80			
10	64QAM	1	0	21.06	21.45	21.56	21.41	21.47			
10	64QAM	1	25	21.27	21.59	21.56	21.55	21.48			
10	64QAM	1	49	21.50	21.63	21.52	21.43	21.43	22.5	2	
10	64QAM	25	0	20.40	20.74	20.86	20.67	20.77			
10	64QAM	25	12	20.54	20.85	20.82	20.64	20.79			
10	64QAM	25	25	20.56	20.90	20.84	20.69	20.67			
10	64QAM	50	0	20.53	20.82	20.82	20.69	20.72	21.5	3	
Channel				39675	40148	40620	41093	41595			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.29	23.65	23.83	23.55	23.63	24.5	0	
5	QPSK	1	12	23.51	23.86	23.85	23.56	23.62			
5	QPSK	1	24	23.70	23.88	23.90	23.63	23.84			
5	QPSK	12	0	22.44	22.77	22.85	22.74	22.80			
5	QPSK	12	7	22.54	22.88	22.92	22.68	22.76	23.5	1	
5	QPSK	12	13	22.61	22.88	22.91	22.73	22.85			
5	QPSK	25	0	22.57	22.82	22.87	22.69	22.75			
5	16QAM	1	0	22.40	22.77	22.89	22.62	22.74			
5	16QAM	1	12	22.51	22.85	22.91	22.70	22.89	23.5	1	
5	16QAM	1	24	22.67	22.90	22.88	22.72	22.70			
5	16QAM	12	0	21.47	21.75	21.87	21.71	21.73			
5	16QAM	12	7	21.56	21.88	21.92	21.73	21.84			
5	16QAM	12	13	21.62	21.87	21.85	21.71	21.78	22.5	2	
5	16QAM	25	0	21.54	21.81	21.84	21.73	21.78			
5	64QAM	1	0	21.04	21.50	21.54	21.39	21.44			
5	64QAM	1	12	21.28	21.58	21.57	21.54	21.49			
5	64QAM	1	24	21.50	21.65	21.56	21.43	21.44	21.5	3	
5	64QAM	12	0	20.40	20.75	20.84	20.70	20.74			
5	64QAM	12	7	20.54	20.81	20.86	20.64	20.79			
5	64QAM	12	13	20.56	20.90	20.83	20.72	20.68			
5	64QAM	25	0	20.56	20.78	20.82	20.69	20.70			

Band 41_Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.47	24.30	23.66	23.03	23.14	25	0	
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13			
20	QPSK	1	99	24.76	24.38	23.68	23.06	23.16			
20	QPSK	50	0	23.69	23.51	22.86	22.24	22.16			
20	QPSK	50	24	23.75	23.59	22.73	22.23	22.17	24	1	
20	QPSK	50	50	23.82	23.67	22.91	22.28	22.23			
20	QPSK	100	0	23.79	23.53	22.75	22.18	22.18			
20	16QAM	1	0	23.75	23.75	23.05	22.32	22.38			
20	16QAM	1	49	23.87	23.70	22.95	22.36	22.37	24	1	

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)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.81	23.91	23.86	24.00	24.49	25	0	
20	QPSK	1	49	24.04	23.97	23.94	24.24	24.64			
20	QPSK	1	99	24.10	23.98	23.98	24.33	24.68			
20	QPSK	50	0	22.97	22.89	22.87	23.19	23.66	24	1	
20	QPSK	50	24	22.98	22.92	22.91	23.23	23.73			
20	QPSK	50	50	23.05	22.98	22.92	23.27	23.74			
20	QPSK	100	0	22.98	22.88	22.90	23.23	23.63	24	1	
20	16QAM	1	0	22.83	22.96	22.85	23.08	23.55			
20	16QAM	1	49	23.00	22.99	22.94	23.32	23.69			
20	16QAM	1	99	23.12	22.93	23.02	23.33	23.63	23	2	
20	16QAM	50	0	21.94	21.90	21.94	22.23	22.68			
20	16QAM	50	24	22.00	21.95	21.94	22.27	22.72			
20	16QAM	50	50	22.09	21.95	21.95	22.33	22.72	23	2	
20	16QAM	100	0	22.00	21.91	21.95	22.22	22.64			
20	64QAM	1	0	21.63	21.65	21.56	21.77	22.24			
20	64QAM	1	49	21.74	21.71	21.70	21.98	22.47	22	3	
20	64QAM	1	99	21.82	21.67	21.75	22.05	22.44			
20	64QAM	50	0	20.91	20.88	20.90	21.18	21.65			
20	64QAM	50	24	21.00	20.92	20.91	21.23	21.75	22	3	
20	64QAM	50	50	21.07	20.95	20.95	21.28	21.67			
20	64QAM	100	0	21.03	20.93	20.90	21.24	21.66			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.74	23.85	23.80	23.95	24.42	25	0	
15	QPSK	1	37	23.97	23.90	23.84	24.15	24.58			
15	QPSK	1	74	24.02	23.89	23.89	24.25	24.59			
15	QPSK	36	0	22.91	22.83	22.78	23.12	23.60	24	1	
15	QPSK	36	20	22.90	22.86	22.85	23.13	23.68			
15	QPSK	36	39	22.98	22.93	22.87	23.22	23.64			
15	QPSK	75	0	22.93	22.81	22.83	23.15	23.56	24	1	
15	16QAM	1	0	22.74	22.89	22.80	23.03	23.50			
15	16QAM	1	37	22.92	22.89	22.84	23.24	23.64			
15	16QAM	1	74	23.06	22.86	22.96	23.25	23.58	23	2	
15	16QAM	36	0	21.86	21.83	21.85	22.16	22.58			
15	16QAM	36	20	21.91	21.90	21.85	22.21	22.65			
15	16QAM	36	39	21.99	21.87	21.90	22.26	22.64	23	2	
15	16QAM	75	0	21.91	21.85	21.90	22.14	22.55			
15	64QAM	1	0	21.53	21.56	21.50	21.67	22.17			
15	64QAM	1	37	21.69	21.66	21.60	21.93	22.42	22	3	
15	64QAM	1	74	21.74	21.60	21.65	22.00	22.39			
15	64QAM	36	0	20.82	20.82	20.82	21.11	21.58			
15	64QAM	36	20	20.93	20.83	20.81	21.15	21.70	22	3	
15	64QAM	36	39	20.98	20.90	20.87	21.19	21.59			
15	64QAM	75	0	20.96	20.88	20.83	21.15	21.61			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.75	23.82	23.80	23.93	24.39	25	0	
10	QPSK	1	25	23.96	23.92	23.89	24.15	24.57			
10	QPSK	1	49	24.00	23.90	23.88	24.26	24.61			
10	QPSK	25	0	22.88	22.79	22.77	23.12	23.57	24	1	
10	QPSK	25	12	22.93	22.84	22.81	23.14	23.66			
10	QPSK	25	25	22.99	22.89	22.87	23.17	23.66			
10	QPSK	50	0	22.89	22.80	22.82	23.18	23.55	24	1	
10	16QAM	1	0	22.74	22.87	22.76	23.00	23.48			
10	16QAM	1	25	22.92	22.93	22.84	23.23	23.61			
10	16QAM	1	49	23.07	22.88	22.94	23.28	23.57	23	2	
10	16QAM	25	0	21.87	21.80	21.88	22.13	22.62			
10	16QAM	25	12	21.92	21.88	21.88	22.22	22.67			
10	16QAM	25	25	22.00	21.89	21.88	22.25	22.62	23	2	
10	16QAM	50	0	21.93	21.84	21.90	22.14	22.55			
10	64QAM	1	0	21.57	21.55	21.46	21.71	22.18			
10	64QAM	1	25	21.67	21.66	21.60	21.93	22.39	22	3	
10	64QAM	1	49	21.75	21.61	21.70	21.97	22.34			
10	64QAM	25	0	20.85	20.83	20.85	21.10	21.60			
10	64QAM	25	12	20.93	20.82	20.83	21.17	21.66	22	3	
10	64QAM	25	25	21.00	20.85	20.89	21.18	21.62			
10	64QAM	50	0	20.95	20.85	20.82	21.15	21.59			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.71	23.86	23.79	23.92	24.39	25	0	
5	QPSK	1	12	23.95	23.87	23.88	24.17	24.54			
5	QPSK	1	24	24.05	23.93	23.93	24.23	24.62			
5	QPSK	12	0	22.89	22.82	22.78	23.14	23.58	24	1	
5	QPSK	12	7	22.91	22.85	22.86	23.15	23.67			
5	QPSK	12	13	22.98	22.91	22.85	23.22	23.68			
5	QPSK	25	0	22.90	22.83	22.81	23.14	23.58	24	1	
5	16QAM	1	0	22.77	22.86	22.77	22.98	23.46			
5	16QAM	1	12	22.95	22.94	22.88	23.23	23.59			
5	16QAM	1	24	23.02	22.84	22.97	23.25	23.55	23	2	
5	16QAM	12	0	21.88	21.83	21.86	22.18	22.62			
5	16QAM	12	7	21.94	21.87	21.86	22.19	22.67			
5	16QAM	12	13	22.01	21.87	21.88	22.25	22.62	23	2	
5	16QAM	25	0	21.92	21.83	21.88	22.14	22.59			
5	64QAM	1	0	21.56	21.60	21.47	21.68	22.14			
5	64QAM	1	12	21.68	21.61	21.62	21.91	22.42	22	3	
5	64QAM	1	24	21.72	21.58	21.66	21.95	22.34			
5	64QAM	12	0	20.81	20.82	20.81	21.11	21.59			
5	64QAM	12	7	20.95	20.83	20.82	21.13	21.67	22	3	
5	64QAM	12	13	21.02	20.86	20.89	21.19	21.59			
5	64QAM	25	0	20.95	20.86	20.80	21.16	21.59			

Reduced Power Mode for ECI 1&3

GSM850_Ant 0		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	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot		33.01	33.03	32.87		24.01	24.03	23.87	
GPRS 1 Tx slot		33.04	33.00	32.89	33.50	24.04	24.00	23.89	24.50
GPRS 2 Tx slots		30.65	30.61	30.49	32.00	24.65	24.61	24.49	26.00
GPRS 3 Tx slots		29.03	29.08	28.94	30.50	24.77	24.82	24.68	26.24
GPRS 4 Tx slots		27.17	27.26	27.10	29.00	24.17	24.26	24.10	26.00
EDGE(GMSK 1 Tx slot)		32.95	32.91	32.79	33.50	23.95	23.91	23.79	24.50
EDGE(GMSK 2 Tx slot)		30.56	30.52	30.44	32.00	24.56	24.52	24.44	26.00
EDGE(GMSK 3 Tx slot)		28.94	29.00	28.85	30.50	24.68	24.74	24.59	26.24
EDGE(GMSK 4 Tx slot)		27.11	27.18	27.00	29.00	24.11	24.18	24.00	26.00
EDGE(8PSK 1 Tx slot)		26.83	26.81	26.69	28.50	17.83	17.81	17.69	19.50
EDGE(8PSK 2 Tx slot)		24.26	24.19	23.98	24.50	18.26	18.19	17.98	18.50
EDGE(8PSK 3 Tx slot)		22.32	22.34	22.15	22.50	18.06	18.08	17.89	18.24
EDGE(8PSK 4 Tx slot)		21.37	21.42	21.34	22.00	18.37	18.42	18.34	19.00

GSM1900_Ant 4		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	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		30.18	29.93	29.91		21.18	20.93	20.91	
GPRS 1 Tx slot		30.15	29.91	29.83	30.50	21.15	20.91	20.83	21.50
GPRS 2 Tx slots		27.92	27.75	27.67	28.50	21.92	21.75	21.67	22.50
GPRS 3 Tx slots		26.43	26.48	26.25	27.50	22.17	22.22	21.99	23.24
GPRS 4 Tx slots		24.69	24.66	24.59	25.50	21.69	21.66	21.59	22.50
EDGE(GMSK 1 Tx slot)		30.05	29.81	29.77	30.50	21.05	20.81	20.77	21.50
EDGE(GMSK 2 Tx slot)		27.83	27.68	27.62	28.50	21.83	21.68	21.62	22.50
EDGE(GMSK 3 Tx slot)		26.35	26.39	26.15	27.50	22.09	22.13	21.89	23.24
EDGE(GMSK 4 Tx slot)		24.59	24.59	24.54	25.50	21.59	21.59	21.54	22.50
EDGE(8PSK 1 Tx slot)		26.59	26.45	26.23	28.00	17.59	17.45	17.23	19.00
EDGE(8PSK 2 Tx slot)		24.53	24.51	24.18	23.00	18.53	18.51	18.18	19.00
EDGE(8PSK 3 Tx slot)		22.77	22.67	22.53	23.00	18.51	18.41	18.27	18.74
EDGE(8PSK 4 Tx slot)		21.40	21.31	21.07	22.50	18.40	18.31	18.07	19.50

GSM1900_Ant 1		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	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		29.92	29.91	29.92		20.92	20.91	20.92	
GPRS 1 Tx slot		29.94	29.92	29.94	30.50	20.94	20.92	20.94	21.50
GPRS 2 Tx slots		27.70	27.75	27.64	28.50	21.70	21.75	21.64	22.50
GPRS 3 Tx slots		26.20	26.23	26.14	27.50	21.94	21.97	21.88	23.24
GPRS 4 Tx slots		24.39	24.48	24.34	25.50	21.39	21.48	21.34	22.50
EDGE(GMSK 1 Tx slot)		29.88	29.87	29.86	30.50	20.88	20.87	20.86	21.50
EDGE(GMSK 2 Tx slot)		27.61	27.66	27.58	28.50	21.61	21.66	21.58	22.50
EDGE(GMSK 3 Tx slot)		26.11	26.17	26.07	27.50	21.85	21.91	21.81	23.24
EDGE(GMSK 4 Tx slot)		24.29	24.43	24.24	25.50	21.29	21.43	21.24	22.50
EDGE(8PSK 1 Tx slot)		26.24	26.29	26.18	28.00	17.24	17.29	17.18	19.00
EDGE(8PSK 2 Tx slot)		24.14	24.20	24.07	25.00	18.14	18.20	18.07	19.00
EDGE(8PSK 3 Tx slot)		22.25	22.31	22.37	23.00	17.99	18.05	18.11	18.74
EDGE(8PSK 4 Tx slot)		21.05	20.96	21.02	22.50	18.05	17.96	18.02	19.50

Band		WCDMA II_Ant 4			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938	22.00	9662	9800	9938	22.00
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.55	21.60	21.86	22.00	23.12	23.05	23.20	24.00
3GPP Rel 99	RMC 12.2Kbps	21.62	21.72	21.97	22.00	23.15	23.09	23.24	24.00
3GPP Rel 6	HSDPA Subtest-1	20.77	20.61	21.08	22.00	22.74	22.70	22.84	24.00
3GPP Rel 6	HSDPA Subtest-2	20.78	20.67	21.23	22.00	22.71	22.70	22.87	24.00
3GPP Rel 6	HSDPA Subtest-3	20.32	20.23	20.64	21.50	22.26	22.23	22.39	23.50
3GPP Rel 6	HSDPA Subtest-4	20.28	20.22	20.69	21.50	22.21	22.19	22.37	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.66	20.51	20.98	22.00	22.69	22.63	22.78	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	20.80	20.64	21.11	22.00	22.62	22.62	22.77	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.20	20.15	20.61	21.50	22.20	22.15	22.32	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.16	20.16	20.53	21.50	22.15	22.11	22.27	23.50
3GPP Rel 6	HSUPA Subtest-1	18.84	18.68	19.03	20.00	20.72	20.71	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	18.83	18.72	19.04	20.00	20.68	20.73	20.84	22.00
3GPP Rel 6	HSUPA Subtest-3	19.90	19.66	20.14	21.00	21.73	21.69	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	18.38	18.27	18.58	19.50	20.25	20.22	20.34	21.50
3GPP Rel 6	HSUPA Subtest-5	19.81	19.64	19.96	21.00	21.70	21.70	21.80	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.69	19.62	19.97	20.50	21.65	21.60	21.75	22.50

Band		WCDMA IV_Ant 4			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738	22.00	1537	1638	1738	22.00
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.49	21.32	21.84	22.00	23.49	23.05	23.50	24.00
3GPP Rel 99	RMC 12.2Kbps	21.52	21.35	21.86	22.00	23.50	23.10	23.51	24.00
3GPP Rel 6	HSDPA Subtest-1	20.66	20.75	21.03	21.50	23.13	22.78	23.24	24.00
3GPP Rel 6	HSDPA Subtest-2	20.48	20.44	20.79	21.00	23.10	22.77	23.22	24.00
3GPP Rel 6	HSDPA Subtest-3	20.00	19.95	20.39	21.00	22.65	22.33	22.75	23.50
3GPP Rel 6	HSDPA Subtest-4	20.03	19.93	20.29	20.50	22.61	22.29	22.68	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.44	20.39	20.83	21.50	23.07	22.72	23.16	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	20.38	20.42	20.81	21.00	23.05	22.72	23.15	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.93	19.84	20.34	21.00	22.59	22.28	22.66	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	19.86	19.90	20.23	20.50	22.55	22.19	22.59	23.50
3GPP Rel 6	HSUPA Subtest-1	18.46	18.49	18.87	19.50	21.11	20.80	21.29	22.00
3GPP Rel 6	HSUPA Subtest-2	18.45	18.38	18.78	19.00	21.12	20.81	21.26	22.00
3GPP Rel 6	HSUPA Subtest-3	19.48	19.41	19.91	20.50	22.14	21.85	22.28	23.00
3GPP Rel 6	HSUPA Subtest-4	18.05	17.92	18.44	19.00	20.63	20.36	20.80	22.00
3GPP Rel 6	HSUPA Subtest-5	19.39	19.48	19.90	20.50	22.10	21.80	22.30	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.36	19.31	19.52	20.00	22.02	21.71	22.22	23.00

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	25.50	4357	4407	4458	25.00
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	25.16	25.18	25.01	25.50	24.52	24.58	24.47	25.00
3GPP Rel 99	RMC 12.2Kbps	25.18	25.20	25.11	25.50	24.54	24.60	24.50	25.00
3GPP Rel 6	HSDPA Subtest-1	24.04	24.08	24.06	25.00	23.94	24.01	23.97	25.00
3GPP Rel 6	HSDPA Subtest-2	24.06	24.08	24.05	25.00	23.97	24.01	23.98	25.00
3GPP Rel 6	HSDPA Subtest-3	23.63	23.61	23.61	24.50	23.53	23.55	23.52	24.50
3GPP Rel 6	HSDPA Subtest-4	23.58	23.61	23.54	24.50	23.46	23.50	23.48	24.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.97	24.02	23.97	25.00	23.87	23.91	23.89	25.00
3GPP Rel 6	DC-HSDPA Subtest-2	24.01	24.00	23.95	25.00	23.90	23.92	23.89	25.00
3GPP Rel 6	DC-HSDPA Subtest-3	23.54	23.55	23.51	24.50	23.45	23.50	23.42	24.50
3GPP Rel 6	DC-HSDPA Subtest-4	23.51	23.53	23.49	24.50	23.41	23.45	23.42	24.50
3GPP Rel 6	HSUPA Subtest-1	22.02	22.08	22.02	23.00	21.96	22.00	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	22.02	22.09	21.99	23.00	21.96	22.02	21.92	23.00
3GPP Rel 6	HSUPA Subtest-3	23.07	23.08	23.03	24.00	23.00	23.04	22.93	24.00
3GPP Rel 6	HSUPA Subtest-4	21.59	21.66	21.54	22.50	21.44	21.55	21.46	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.10	23.00	24.00	23.00	23.00	22.90	24.00
3GPP Rel 7	HSPA+ (tQAM) Subtest-1	22.93	23.04	22.90	23.00	22.94	22.92	22.83	23.50



Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.73	22.79	22.73			23.5	
20	QPSK	1	49	22.69	22.70	22.72				
20	QPSK	1	99	22.60	22.61	22.66				
20	QPSK	50	0	21.71	21.78	21.69			22.5	
20	QPSK	100	0	21.70	21.65	21.67				
20	QPSK	50	50	21.66	21.59	21.67				
20	QPSK	100	0	21.68	21.73	21.64			22.5	
20	16QAM	1	0	22.08	22.04	22.07				
20	16QAM	1	49	22.04	21.90	21.96				
20	16QAM	1	99	21.76	21.98	21.91			21.5	
20	16QAM	50	0	20.71	20.68	20.73				
20	16QAM	50	24	20.68	20.64	20.77				
20	16QAM	50	50	20.66	20.59	20.77			21.5	
20	16QAM	100	0	20.66	20.66	20.76				
20	16QAM	100	0	20.73	20.67	20.78				
20	64QAM	1	49	20.69	20.83	20.91			21.5	
20	64QAM	1	99	20.73	20.85	20.91				
20	64QAM	50	0	19.69	19.68	19.70				
20	64QAM	50	24	19.67	19.65	19.74			20.5	
20	64QAM	50	50	19.65	19.58	19.78				
20	64QAM	100	0	19.65	19.61	19.74				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.68	22.74	22.68			23.5	
15	QPSK	1	37	22.59	22.64	22.67				
15	QPSK	1	74	22.51	22.53	22.67				
15	QPSK	36	0	21.64	21.70	21.63			22.5	
15	QPSK	36	20	21.62	21.55	21.66				
15	QPSK	36	39	21.58	21.49	21.62				
15	QPSK	75	0	21.62	21.66	21.59			22.5	
15	16QAM	1	0	22.01	21.95	22.00				
15	16QAM	1	37	21.94	21.84	21.78				
15	16QAM	1	74	21.68	21.82	21.81			21.5	
15	16QAM	36	0	20.62	20.58	20.66				
15	16QAM	36	20	20.59	20.57	20.67				
15	16QAM	36	39	20.58	20.55	20.71			21.5	
15	16QAM	75	0	20.57	20.52	20.64				
15	64QAM	1	0	20.66	20.82	20.89				
15	64QAM	1	37	20.59	20.77	20.83			21.5	
15	64QAM	1	74	20.67	20.79	20.84				
15	64QAM	36	0	19.64	19.65	19.63				
15	64QAM	36	20	19.59	19.53	19.69			20.5	
15	64QAM	36	39	19.58	19.48	19.66				
15	64QAM	75	0	19.58	19.51	19.65				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.67	22.69	22.64			23.5	
10	QPSK	1	25	22.64	22.63	22.67				
10	QPSK	1	49	22.50	22.52	22.56				
10	QPSK	25	0	21.63	21.68	21.58			22.5	
10	QPSK	25	12	21.63	21.55	21.60				
10	QPSK	25	25	21.60	21.52	21.61				
10	QPSK	50	0	21.62	21.64	21.58			22.5	
10	16QAM	1	0	22.02	21.97	21.97				
10	16QAM	1	25	21.95	21.83	21.76				
10	16QAM	1	49	21.70	21.89	21.85			21.5	
10	16QAM	25	0	20.61	20.52	20.60				
10	16QAM	25	12	20.63	20.59	20.68				
10	16QAM	25	25	20.58	20.54	20.72			21.5	
10	16QAM	50	0	20.58	20.52	20.66				
10	64QAM	1	0	20.67	20.77	20.72				
10	64QAM	1	25	20.64	20.75	20.82			21.5	
10	64QAM	1	49	20.68	20.79	20.82				
10	64QAM	25	0	19.60	19.62	19.61				
10	64QAM	25	12	19.59	19.51	19.68			20.5	
10	64QAM	25	25	19.58	19.52	19.70				
10	64QAM	50	0	19.58	19.50	19.65				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.68	22.69	22.65			23.5	
5	QPSK	1	12	22.60	22.61	22.65				
5	QPSK	1	24	22.51	22.55	22.60				
5	QPSK	12	0	21.63	21.70	21.61			22.5	
5	QPSK	12	7	21.63	21.58	21.60				
5	QPSK	12	13	21.57	21.51	21.60				
5	QPSK	25	0	21.59	21.65	21.56			22.5	
5	16QAM	1	0	21.98	21.99	21.90				
5	16QAM	1	12	21.98	21.85	21.80				
5	16QAM	1	24	21.69	21.89	21.84			22.5	
5	16QAM	12	0	20.62	20.62	20.67				
5	16QAM	12	7	20.59	20.58	20.68				
5	16QAM	12	13	20.57	20.51	20.71			21.5	
5	16QAM	25	0	20.60	20.51	20.62				
5	64QAM	1	0	20.66	20.77	20.69				
5	64QAM	1	12	20.61	20.76	20.82			21.5	
5	64QAM	1	24	20.64	20.80	20.84				
5	64QAM	12	0	19.62	19.63	19.63				
5	64QAM	12	7	19.59	19.61	19.69			20.5	
5	64QAM	12	13	19.59	19.52	19.70				
5	64QAM	25	0	19.55	19.51	19.69				
Channel										
Frequency (MHz)										
18.5	QPSK	1	0	22.65	22.72	22.63			23.5	
18.5	QPSK	1	6	22.54	22.62	22.64				
18.5	QPSK	1	12	22.55	22.53	22.59				
18.5	QPSK	6	0	21.63	21.69	21.62			22.5	
18.5	QPSK	6	4	21.60	21.56	21.58				
18.5	QPSK	6	7	21.57	21.50	21.57				
18.5	QPSK	15	0	21.61	21.66	21.57			22.5	
18.5	16QAM	1	0	22.03	21.94	22.00				
18.5	16QAM	1	6	21.99	21.85	21.77				
18.5	16QAM	1	14	21.68	21.90	21.85			21.5	
18.5	16QAM	6	0	20.63	20.62	20.66				
18.5	16QAM	6	4	20.63	20.56	20.67				
18.5	16QAM	6	7	20.60	20.53	20.71			21.5	
18.5	16QAM	15	0	20.57	20.49	20.62				
18.5	64QAM	1	0	20.66	20.79	20.71				
18.5	64QAM	1	6	20.61	20.77	20.85			21.5	
18.5	64QAM	1	14	20.63	20.80	20.84				
18.5	64QAM	6	0	19.60	19.61	19.62				
18.5	64QAM	6	4	19.58	19.52	19.68			20.5	
18.5	64QAM	6	7	19.59	19.49	19.67				
18.5	64QAM	15	0	19.50	19.53	19.67				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.64	22.69	22.67			23.5	
1.4	QPSK	1	3	22.60	22.61	22.67				
1.4	QPSK	1	6	22.53	22.55	22.59				
1.4	QPSK	3	0	22.66	22.69	22.64			22.5	
1.4	QPSK	3	1	22.62	22.61	22.66				
1.4	QPSK	3	3	22.53	22.54	22.60				
1.4	QPSK	6	0	21.63	21.65	21.59			22.5	
1.4	16QAM	1	0	22.00	21.95	21.97				
1.4	16QAM	1	3	21.94	21.81	21.77				
1.4	16QAM	1	6	21.66	21.90	21.83			22.5	
1.4	16QAM	3	0	21.62	21.71	21.61				
1.4	16QAM	3	1	21.61	21.55	21.67				
1.4	16QAM	3	3	21.58	21.53	21.61			21.5	
1.4	16QAM	6	0	20.57	20.53	20.65				
1.4	16QAM	6	1	20.60	20.76	20.85				
1.4	64QAM	1	5	20.67	20.77	20.85			21.5	
1.4	64QAM	3	0	20.66	20.60	20.67				
1.4	64QAM	3	1	20.61	20.59	20.71				
1.4	64QAM	3	3	20.56	20.50	20.66			20.5	
1.4	64QAM	6	0	19.58	19.52	19.65				

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.55	22.06	21.94			23.5
20	QPSK	1	49	21.95	22.00	21.83			
20	QPSK	1	99	21.91	22.00	21.86			



Band 4_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20550	20175	20350			
20	QPSK	1	0	21.70	21.66	21.64			
20	QPSK	1	49	21.64	21.58	21.54	22.25	0	
20	QPSK	1	99	21.59	21.57	21.49			
20	QPSK	50	0	21.62	21.65	21.68			
20	QPSK	50	24	21.54	21.55	21.51	22.25	0	
20	QPSK	50	50	21.60	21.58	21.48			
20	QPSK	100	0	21.57	21.60	21.56			
20	16QAM	1	0	21.51	21.65	21.55			
20	16QAM	1	49	21.52	21.62	21.53	22.25	0	
20	16QAM	1	99	21.54	21.57	21.51			
20	16QAM	50	0	21.04	21.26	21.16			
20	16QAM	50	24	21.04	21.36	21.17	22	0.25	
20	16QAM	50	50	20.99	21.42	21.20			
20	16QAM	100	0	21.00	21.30	21.16			
20	16QAM	1	0	21.26	21.47	21.30			
20	16QAM	1	49	21.22	21.58	21.38	22	0.25	
20	16QAM	1	99	21.25	21.80	21.37			
20	16QAM	50	0	20.05	20.26	20.16			
20	16QAM	50	24	20.04	20.37	20.15	21	1.25	
20	16QAM	50	50	19.99	20.39	20.20			
20	16QAM	100	0	19.96	20.33	20.17			
Channel									
Frequency (MHz)				17315 <th>17175</th> <th>17425</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	17175	17425	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.48	21.55	21.44			
15	QPSK	1	37	21.40	21.45	21.43	22.25	0	
15	QPSK	1	74	21.40	21.43	21.34			
15	QPSK	36	0	21.39	21.41	21.31			
15	QPSK	36	20	21.31	21.36	21.40	22.25	0	
15	QPSK	36	39	21.46	21.45	21.29			
15	QPSK	75	0	21.38	21.43	21.39			
15	16QAM	1	0	21.29	21.53	21.34			
15	16QAM	1	37	21.35	21.49	21.38	22.25	0	
15	16QAM	1	74	21.53	21.35	21.33			
15	16QAM	36	0	20.96	21.10	21.26			
15	16QAM	36	20	20.92	21.14	21.35	22	0.25	
15	16QAM	75	0	20.93	21.11	21.21			
15	16QAM	1	0	21.19	21.24	21.41			
15	16QAM	1	37	21.16	21.29	21.49	22	0.25	
15	16QAM	1	74	21.22	21.31	21.55			
15	16QAM	36	0	19.98	20.06	20.19			
15	16QAM	36	20	19.98	20.06	20.20	21	1.25	
15	16QAM	36	39	19.85	20.11	20.33			
15	16QAM	75	0	19.89	20.10	20.27			
Channel									
Frequency (MHz)				17115	17325	17350	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.50	21.45	21.37			
10	QPSK	1	26	21.51	21.46	21.34	22.25	0	
10	QPSK	1	49	21.42	21.40	21.30			
10	QPSK	25	0	21.42	21.43	21.35			
10	QPSK	25	12	21.40	21.31	21.27	22.25	0	
10	QPSK	25	25	21.38	21.34	21.23			
10	QPSK	50	0	21.34	21.39	21.43			
10	16QAM	1	0	21.33	21.52	21.38			
10	16QAM	1	25	21.30	21.38	21.37	22.25	0	
10	16QAM	1	49	21.45	21.36	21.31			
10	16QAM	25	0	20.96	21.09	21.17			
10	16QAM	25	12	20.96	21.10	21.27	22	0.25	
10	16QAM	25	25	20.94	21.13	21.34			
10	16QAM	50	0	20.94	21.11	21.20			
10	16QAM	1	0	21.16	21.22	21.38			
10	16QAM	1	25	21.13	21.25	21.51	22	0.25	
10	16QAM	1	49	21.16	21.30	21.55			
10	16QAM	25	0	19.97	20.10	20.20			
10	16QAM	25	12	19.94	20.09	20.28	21	1.25	
10	16QAM	25	25	19.95	20.11	20.32			
10	16QAM	50	0	19.95	20.10	20.26			
Channel									
Frequency (MHz)				19575	20175	20350	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.54	21.49	21.45			
5	QPSK	1	12	21.36	21.36	21.34	22.25	0	
5	QPSK	1	24	21.23	21.34	21.28			
5	QPSK	12	0	21.47	21.45	21.35			
5	QPSK	12	7	21.34	21.33	21.31	22.25	0	
5	QPSK	12	13	21.36	21.36	21.35			
5	QPSK	25	0	21.41	21.47	21.31			
5	16QAM	1	0	21.34	21.43	21.42			
5	16QAM	1	12	21.27	21.46	21.37	22.25	0	
5	16QAM	1	24	21.45	21.41	21.37			
5	16QAM	12	0	20.95	21.11	21.20			
5	16QAM	12	7	20.95	21.10	21.27	22	0.25	
5	16QAM	12	13	20.91	21.12	21.32			
5	16QAM	25	0	20.97	21.07	21.20			
5	16QAM	1	0	21.16	21.25	21.41			
5	16QAM	1	12	21.16	21.28	21.51	22	0.25	
5	16QAM	1	24	21.18	21.29	21.53			
5	16QAM	12	0	19.97	20.11	20.21			
5	16QAM	12	7	19.98	20.10	20.30	21	1.25	
5	16QAM	12	13	19.98	20.10	20.29			
5	16QAM	25	0	19.89	20.11	20.23			
Channel									
Frequency (MHz)				17115	17325	17543	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.42	21.44	21.37			
3	QPSK	1	8	21.46	21.35	21.32	22.25	0	
3	QPSK	1	14	21.41	21.35	21.33			
3	QPSK	8	0	21.46	21.40	21.35			
3	QPSK	8	4	21.34	21.31	21.27	22.25	0	
3	QPSK	8	7	21.44	21.34	21.25			
3	QPSK	15	0	21.34	21.39	21.37			
3	16QAM	1	0	21.31	21.40	21.32	22.25	0	
3	16QAM	1	8	21.39	21.43	21.31			
3	16QAM	1	14	21.47	21.33	21.28			
3	16QAM	8	0	20.94	21.09	21.16			
3	16QAM	8	4	20.95	21.08	21.31	22	0.25	
3	16QAM	8	7	20.95	21.11	21.35			
3	16QAM	15	0	20.94	21.08	21.21			
3	16QAM	1	0	21.16	21.20	21.40			
3	16QAM	1	8	21.14	21.26	21.52	22	0.25	
3	16QAM	1	14	21.16	21.30	21.56			
3	16QAM	8	0	19.97	20.06	20.17			
3	16QAM	8	4	19.95	20.09	20.27	21	1.25	
3	16QAM	8	7	19.86	20.13	20.30			
3	16QAM	15	0	19.89	20.09	20.25			
Channel									
Frequency (MHz)				19557	20175	20353	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.40	21.36	21.49			
1.4	QPSK	1	3	21.52	21.36	21.43	22.25	0	
1.4	QPSK	1	5	21.46	21.35	21.35			
1.4	QPSK	3	0	21.45	21.51	21.39			
1.4	QPSK	3	1	21.32	21.37	21.30			
1.4	QPSK	3	3	21.43	21.37	21.34			
1.4	QPSK	6	0	21.45	21.40	21.44	22.25	0	
1.4	16QAM	1	0	21.36	21.44	21.31			
1.4	16QAM	1	3	21.28	21.47	21.32			
1.4	16QAM	1	5	21.42	21.44	21.34	22.25	0	
1.4	16QAM	3	0	21.42	21.53	21.46			
1.4	16QAM	3	1	21.52	21.46	21.42			
1.4	16QAM	3	3	21.41	21.46	21.32	22	0.25	
1.4	16QAM	6	0	20.92	21.10	21.22			
1.4	16QAM	1	0	21.17	21.25	21.40			
1.4	16QAM	1	3	21.15	21.26	21.30	22	0.25	
1.4	16QAM	3	0	20.97	21.08	20.96			
1.4	16QAM	3	1	20.95	21.08	21.11			
1.4	16QAM	3	3	20.95	21.10	21.17			
1.4	16QAM	6	0	19.93	20.10	20.26	21	1.25	

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power High Ch. [dBm]	Power High Ref. [dBm]	Turn-up limit [dBm]	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.91	23.97	23.93			
10	QPSK	1	25	23.89	23.91	23.84	25	0	
10	QPSK	1	49	23.90	23.80	23.80			
10	QPSK	25	0	22.91	22.95	22.93			
10	QPSK	25	12	22.89	22.87	22.87	24	1	
10	QPSK	25	25	22.90	22.89	22.84			
10	QPSK	50	0	22.88	22.89	22.86			
10	16QAM	1	0	23.08	23.08	23.20			
10	16QAM	1	25	23.10	23.23	22.85	24	1	
10	16QAM	1	49	23.16	23.06	23.11			
10	16QAM	25	0	21.89	21.90	21.88			
10	16QAM	25	12	21.86	21.85	21.83	23	2	
10	16QAM	25	25	21.93	21.88	21.83			
10	16QAM	50	0	21.86	21.87	21.81			
10	16QAM	1	0	22.03	21.92	22.14			
10	64QAM	1	25	22.96	22.91	22.91	23	2	
10	64QAM	1	49	22.93	21.96	21.96			
10	64QAM	25	0	20.89	20.88	20.84			
10	64QAM	25	12	20.83	20.87	20.81	22	3	
10	64QAM	25	25	20.89	20.87	20.81			
10	64QAM	50	0	20.85	20.85	20.86			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.55	23.65	23.60			
5	QPSK	1	12	23.79	23.62	23.80			
5	QPSK	1	24	23.85	23.72	23.73			
5	QPSK	12	0	22.84	22.89	22.80	24	1	
5	QPSK	12	13	22.80	22.81	22.80			
5	QPSK	12	13	22.81	22.85	22.74			
5	QPSK	25	0	22.80	22.80	22.78			
5	16QAM	1	0	22.99	22.99	23.10			
5	16QAM	1	12	23.05	23.13	22.88	24	1	
5	16QAM	1	24	23.09	23.01	23.02			
5	16QAM	12	0	21.82	21.80	21.79	23	2	
5	16QAM	12	13	21.78	21.78	21.77			
5	16QAM	12	13	21.87	21.82	21.73			
5	16QAM	25	0	21.78	21.79	21.78			
5	64QAM	1	0	21.93	21.84	22.07	23	2	
5	64QAM	1	12	21.87	21.80	21.81			
5	64QAM	1	24	21.98	21.94	21.91			
5	64QAM	12	0	20.79	20.80	20.75			
5	64QAM	12	7	20.77	20.82	20.75	22	3	
5	64QAM	12	13	20.80	20.80	20.72			
5	64QAM	25	0	20.80	20.77	20.79			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.11	23.25	23.23			
3	QPSK	1	8	23.80	23.84	23.75	25	0	
3	QPSK	1	16	23.81	23.71	23.72			
3	QPSK	8	0	22.84	22.86	22.84	24	1	
3	QPSK	8	4	22.84	22.77	22.81			
3	QPSK	8	7	22.83	22.83	22.77			
3	16QAM	1	0	22.82	22.80	22.81			
3	16QAM	1	8	22.89	22.99	23.12	24	1	
3	16QAM	1	8	23.04	23.10	23.12			
3	16QAM	1	14	23.08	23.03	23.04			
3	16QAM	8	0	21.80	21.84	21.82	23	2	
3	16QAM	8	4	21.81	21.80	21.74			
3	16QAM	8	7	21.86	21.82	21.78			
3	16QAM	15	0	21.81	21.82	21.78			
3	64QAM	1	0	21.93	21.82	22.08	23	2	
3	64QAM	1	8	21.86	21.96	21.94			
3	64QAM	1	14	21.95	21.81	21.90			
3	64QAM	8	0	20.82	20.76	20.78	22	3	
3	64QAM	8	4	20.78	20.77	20.74			
3	64QAM	8	7	20.81	20.80	20.76			
3	64QAM	15	0	20.77	20.77	20.78			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.87	20.92	20.93			
1.4	QPSK	1	3	23.83	23.91	23.78	25	0	
1.4	QPSK	1	5	23.83	23.86	23.74			
1.4	QPSK	3	0	23.85	23.88	23.78			
1.4	QPSK	3	1	23.80	23.82	23.71			
1.4	QPSK	3	1	23.83	23.74	23.74	24	1	
1.4	QPSK	6	0	22.83	22.82	22.77			
1.4	16QAM	1	0	23.02	23.02	23.11			
1.4	16QAM	1	5	23.05	23.15	22.88	24	1	
1.4	16QAM	1	5	23.08	22.99	23.08			
1.4	16QAM	3	0	22.85	22.89	22.81			
1.4	16QAM	3	1	22.82	22.79	22.80			
1.4	16QAM	3	3	22.82	22.85	22.74			
1.4	16QAM	6	0	21.81	21.79	21.78	23	2	
1.4	64QAM	1	0	21.96	21.87	22.08	23	2	
1.4	64QAM	1	3	21.86	21.96	21.94			
1.4	64QAM	1	5	21.88	21.80	21.80	23	2	
1.4	64QAM	3	0	21.81	21.83	21.83			
1.4	64QAM	3	1	21.79	21.79	21.77			
1.4	64QAM	3	1	21.86	21.82	21.77			
1.4	64QAM	6	0	20.79	20.77	20.80	22	3	

Band 7_Ant 4														
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch / Freq.	Power/Main Ch / Freq.	Power/High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				20560	21100	21360								
				2510	2535	2560								
20	QPSK	1	0	22.03	22.23	21.75	23	0						
20	QPSK	1	49	21.98	22.20	21.72								
20	QPSK	1	99	21.96	22.17	21.69								
20	QPSK	25	0	22.19	22.21	21.74	23	0						
20	QPSK	50	24	21.88	22.14	21.68								
20	QPSK	50	50	22.03	22.08	21.71								
20	QPSK	100	0	22.01	22.16	21.63	23	0						
20	16QAM	1	0	21.99	22.10	21.70								
20	16QAM	1	49	22.00	22.14	21.65								
20	16QAM	1	99	21.98	22.17	21.70	22.5	0.5						
20	16QAM	50	0	21.94	21.97	20.97								
20	16QAM	50	24	21.68	21.46	20.96								
20	16QAM	50	50	21.70	21.34	20.95	21.5	1.5						
20	16QAM	100	0	21.65	21.24	20.94								
20	64QAM	1	0	21.59	21.34	20.94								
20	64QAM	1	49	21.83	21.72	20.87	22.5	0.5						
20	64QAM	1	99	21.88	21.26	20.92								
20	64QAM	50	0	20.59	20.56	19.80								
20	64QAM	50	24	20.67	20.28	19.87	21.5	1.5						
20	64QAM	50	50	20.74	20.31	19.95								
20	64QAM	100	0	20.67	20.42	19.86								
Channel														
Frequency (MHz)				2057.5	21100	21375	Turn-up limit (dBm)	MPR (dB)						
				2507.5	2535	2562.5								
19	QPSK	1	0	21.97	22.20	21.67	23	0						
19	QPSK	1	37	21.86	22.12	21.61								
19	QPSK	1	74	21.90	22.08	21.59								
19	QPSK	36	0	21.91	22.12	21.68	23	0						
19	QPSK	36	20	21.74	22.01	21.61								
19	QPSK	36	39	21.82	21.97	21.63								
19	QPSK	75	0	21.93	22.14	21.59	23	0						
19	QPSK	1	0	21.91	21.98	21.66								
19	16QAM	1	37	21.98	22.12	21.65								
19	16QAM	1	74	21.87	22.06	21.65	22.5	0.5						
19	16QAM	36	0	21.49	21.47	20.85								
19	16QAM	36	20	21.65	21.33	20.90								
19	16QAM	36	39	21.69	21.19	20.87	21.5	1.5						
19	16QAM	75	0	21.93	21.30	20.90								
19	16QAM	1	0	21.90	21.42	20.92								
19	64QAM	1	37	21.89	21.59	20.92								
19	64QAM	1	74	21.83	21.16	20.82	22.5	0.5						
19	64QAM	36	0	20.57	20.55	19.92								
19	64QAM	36	20	20.59	20.51	19.92								
19	64QAM	36	39	20.62	20.17	19.93	21.5	1.5						
19	64QAM	75	0	20.65	20.33	19.93								
Channel														
Frequency (MHz)				20580	21100	21400					Turn-up limit (dBm)	MPR (dB)		
				25080	25350	25650								
19	QPSK	1	0	21.96	22.14	21.64	23	0						
19	QPSK	1	25	21.88	22.15	21.69								
19	QPSK	1	49	21.81	22.07	21.57								
19	QPSK	25	0	21.98	22.17	21.62	23	0						
19	QPSK	25	12	21.78	22.10	21.55								
19	QPSK	25	25	21.86	22.07	21.66								
19	QPSK	50	0	21.99	22.15	21.60	23	0						
19	16QAM	1	0	21.97	22.07	21.59								
19	16QAM	1	25	21.97	22.11	21.60								
19	16QAM	1	49	21.97	22.08	21.64	22.5	0.5						
19	16QAM	25	0	21.93	21.96	20.98								
19	16QAM	25	12	21.62	21.45	20.90								
19	16QAM	25	25	21.58	21.25	20.90	21.5	1.5						
19	16QAM	50	0	21.55	21.38	20.82								
19	64QAM	1	0	21.45	21.43	20.81								
19	64QAM	1	25	21.48	21.37	20.96								
19	64QAM	1	49	21.73	21.25	20.88	22.5	0.5						
19	64QAM	25	0	20.40	20.32	19.93								
19	64QAM	25	12	20.32	20.42	19.85								
19	64QAM	25	25	20.64	20.25	19.89	21.5	1.5						
19	64QAM	50	0	20.61	20.31	19.90								
Channel														
Frequency (MHz)				20592.5	21100	21425					Turn-up limit (dBm)	MPR (dB)		
				25092.5	25350	25675								
5	QPSK	1	0	21.98	22.08	21.64	23	0						
5	QPSK	1	12	21.95	22.19	21.67								
5	QPSK	1	24	21.83	22.05	21.64								
5	QPSK	12	0	21.89	22.09	21.64	23	0						
5	QPSK	12	7	21.84	22.09	21.55								
5	QPSK	12	13	21.79	21.96	21.70								
5	QPSK	25	0	21.86	22.03	21.60	23	0						
5	16QAM	1	0	21.84	22.03	21.65								
5	16QAM	1	12	21.90	22.08	21.58								
5	16QAM	1	24	21.86	22.05	21.72	22.5	0.5						
5	16QAM	12	0	21.48	21.34	20.85								
5	16QAM	12	7	21.64	21.43	20.89								
5	16QAM	12	13	21.62	21.32	20.93	22.5	0.5						
5	16QAM	25	0	21.48	21.29	20.96								
5	64QAM	1	0	21.48	21.49	20.86								
5	64QAM	1	12	21.71	21.83	20.95	22.5	0.5						
5	64QAM	1	24	21.86	21.14	20.88								
5	64QAM	12	0	20.50	20.42	19.84								
5	64QAM	12	7	20.67	20.36	19.91	21.5	1.5						
5	64QAM	12	13	20.69	20.17	19.90								
5	64QAM	25	0	20.61	20.40	19.86								

Band 7_Ant 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20590	21100	21360				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	19.41	19.54	19.34	20.25	0		
20	QPSK	1	49	19.31	19.40	19.26				
20	QPSK	1	99	19.36	19.41	19.24				
20	QPSK	50	0	19.37	19.53	19.25	20.25	0		
20	QPSK	50	24	19.26	19.49	19.21				
20	QPSK	50	50	19.28	19.46	19.19				
20	QPSK	100	0	19.36	19.49	19.25	20.25	0		
20	16QAM	1	0	19.26	19.52	19.19				
20	16QAM	1	49	19.26	19.46	19.21				
20	16QAM	1	99	19.31	19.50	19.26	20.25	0		
20	16QAM	50	0	19.30	19.53	19.31				
20	16QAM	50	24	19.30	19.44	19.29	20.25	0		
20	16QAM	50	50	19.36	19.46	19.25				
20	16QAM	100	0	19.37	19.49	19.27				
20	16QAM	1	49	19.35	19.47	19.24	20.25	0		
20	16QAM	1	99	19.32	19.39	19.29				
20	16QAM	50	0	18.95	19.07	18.92				
20	16QAM	50	24	19.01	19.07	19.01	20.25	0		
20	16QAM	50	50	19.10	19.05	18.97				
20	16QAM	100	0	19.02	19.03	18.96				
Channel				20625 <th>21100<th>21375</th><th>Turn-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	21100 <th>21375</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	21375	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2557.5	2535	2562.5				
15	QPSK	1	0	19.34	19.46	19.22	20.25	0		
15	QPSK	36	0	19.25	19.37	19.18				
15	QPSK	1	74	19.34	19.26	19.11				
15	QPSK	36	0	19.34	19.39	19.18	20.25	0		
15	QPSK	36	20	19.18	19.41	19.11				
15	QPSK	36	39	19.25	19.43	19.09				
15	QPSK	75	0	19.28	19.41	19.05	20.25	0		
15	16QAM	1	0	19.19	19.38	19.06				
15	16QAM	1	37	19.18	19.43	19.16				
15	16QAM	1	74	19.24	19.35	19.27	20.25	0		
15	16QAM	36	0	19.22	19.40	19.22				
15	16QAM	36	20	19.28	19.38	19.22				
15	16QAM	36	39	19.35	19.35	19.11	20.25	0		
15	16QAM	75	0	19.14	19.34	19.17				
15	16QAM	1	0	19.28	19.36	19.22				
15	16QAM	1	37	19.24	19.34	19.29	20.25	0		
15	16QAM	1	74	19.31	19.27	19.17				
15	16QAM	36	0	18.97	18.97	18.83				
15	16QAM	36	20	19.92	18.96	18.93	20.25	0		
15	16QAM	36	39	19.02	18.96	18.93				
15	16QAM	75	0	18.95	18.95	18.88				
Channel				20600	21100	21400	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.38	19.51	19.20	20.25	0		
10	QPSK	1	25	19.24	19.35	19.22				
10	QPSK	1	49	19.26	19.37	19.14				
10	QPSK	25	0	19.23	19.47	19.19	20.25	0		
10	QPSK	25	12	19.12	19.47	19.10				
10	QPSK	25	25	19.13	19.44	19.16				
10	QPSK	50	0	19.37	19.37	19.17	20.25	0		
10	16QAM	1	0	19.23	19.48	19.08				
10	16QAM	1	25	19.16	19.38	19.17				
10	16QAM	1	49	19.23	19.38	19.25	20.25	0		
10	16QAM	25	0	19.15	19.41	19.25				
10	16QAM	25	12	19.29	19.34	19.24				
10	16QAM	25	25	19.21	19.41	19.21	20.25	0		
10	16QAM	50	0	19.15	19.25	19.21				
10	16QAM	1	0	19.21	19.31	19.20				
10	16QAM	1	25	19.22	19.40	19.23	20.25	0		
10	16QAM	1	49	19.18	19.28	19.17				
10	16QAM	25	0	19.07	19.20	19.02				
10	16QAM	25	12	18.92	19.02	18.96	20.25	0		
10	16QAM	25	25	19.00	18.97	18.98				
10	16QAM	50	0	18.96	18.95	18.88				
Channel				20775	21100	21425	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2542.5	2535	2547.5				
5	QPSK	1	12	19.29	19.34	19.11	20.25	0		
5	QPSK	1	24	19.21	19.29	19.02				
5	QPSK	12	0	19.33	19.22	19.11				
5	QPSK	12	0	19.20	19.34	19.15	20.25	0		
5	QPSK	12	13	19.16	19.40	19.08				
5	QPSK	25	0	19.26	19.41	19.06				
5	16QAM	1	0	19.13	19.45	19.10	20.25	0		
5	16QAM	1	12	19.21	19.39	19.17				
5	16QAM	1	24	19.16	19.31	19.21				
5	16QAM	12	0	19.26	19.39	19.19	20.25	0		
5	16QAM	12	7	19.25	19.35	19.27				
5	16QAM	12	13	19.35	19.43	19.16				
5	16QAM	25	0	19.13	19.25	19.22	20.25	0		
5	16QAM	1	0	19.31	19.37	19.18				
5	16QAM	1	12	19.23	19.23	19.16				
5	16QAM	1	24	19.29	19.30	19.21	20.25	0		
5	16QAM	12	0	18.88	18.98	18.84				
5	16QAM	12	7	18.96	19.01	18.94				
5	16QAM	12	13	19.04	18.95	18.88	20.25	0		
5	16QAM	25	0	18.94	18.98	18.91				



Band 13_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch / Freq	Power/Main Ch / Freq	Power/High Ch / Freq	Turn-up last (dBm)	MPR (dB)			
Channel							23230				
Frequency (MHz)							782				
10	QPSK	1	0		23.99		25	0			
10	QPSK	1	25		23.88						
10	QPSK	1	49		23.98						
10	QPSK	25	0		23.10						
10	QPSK	25	12		23.02		24	1			
10	QPSK	25	25		23.07						
10	QPSK	50	0		23.08						
10	16QAM	1	0		23.91						
10	16QAM	1	25		23.95		24	1			
10	16QAM	1	49		23.97						
10	16QAM	25	0		22.16						
10	16QAM	25	12		22.15						
10	16QAM	25	25		22.13		23	2			
10	16QAM	50	0		22.16						
10	16QAM	1	0		22.42						
10	64QAM	1	25		22.32						
10	64QAM	1	49		22.32		23	2			
10	64QAM	25	0		21.15						
10	64QAM	25	12		21.16						
10	64QAM	25	25		21.14						
10	64QAM	50	0		21.15		Turn-up last (dBm)	MPR (dB)			
Channel									23205	23230	23255
Frequency (MHz)							779.5	782	784.5		
5	QPSK	1	0		23.89	23.97	23.97	25	0		
5	QPSK	1	12		23.73	23.86	23.81				
5	QPSK	1	24		23.87	23.90	23.84				
5	QPSK	12	0		23.03	23.03	23.00				
5	QPSK	12	7		23.01	22.94	22.93	24	1		
5	QPSK	12	13		23.00	23.05	23.03				
5	QPSK	25	0		22.94	22.95	23.04				
5	16QAM	1	0		23.00	22.91	22.92				
5	16QAM	1	12		23.02	22.95	22.99	24	1		
5	16QAM	1	24		22.97	22.93	22.93				
5	16QAM	12	0		22.08	22.15	22.13				
5	16QAM	12	7		22.10	22.00	22.05				
5	16QAM	12	13		22.11	22.02	22.07	23	2		
5	16QAM	25	0		22.14	22.16	22.12				
5	64QAM	1	0		22.31	22.41	22.31				
5	64QAM	1	12		22.21	22.23	22.25				
5	64QAM	1	24		22.31	22.26	22.31	23	2		
5	64QAM	12	0		21.11	21.06	21.12				
5	64QAM	12	7		21.08	21.06	21.09				
5	64QAM	12	13		20.99	21.00	20.99				
5	64QAM	25	0		21.10	21.14	21.13	Turn-up last (dBm)	MPR (dB)		

Band 13_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up [dBm]	MPR (dB)			
Channel											
23230											
Frequency (MHz)											
10	QPSK	1	0		782		24.5	0			
10	QPSK	1	25		783.91						
10	QPSK	1	49		783.91						
10	QPSK	25	0		782.89						
10	QPSK	25	12		782.86		23.5	1			
10	QPSK	25	25		782.86						
10	QPSK	50	0		782.87						
10	16QAM	1	0		783.08						
10	16QAM	1	25		783.06		23.5	1			
10	16QAM	1	49		783.10						
10	16QAM	25	0		781.84						
10	16QAM	25	12		781.82						
10	16QAM	25	25		781.83		22.5	2			
10	16QAM	50	0		781.86						
10	64QAM	1	0		782.03						
10	64QAM	1	25		782.10						
10	64QAM	1	49		782.08		22.5	2			
10	64QAM	25	0		780.85						
10	64QAM	25	12		780.80						
10	64QAM	25	25		780.87						
10	64QAM	50	0		780.88		Turn-up (last line)	MPR (dB)			
Channel											
Frequency (MHz)							780.5	782	784.5		
5	QPSK	1	0		2384	2386	2388	24.5	0		
5	QPSK	1	12		2383	2384	2384				
5	QPSK	1	24		2385	2383	2385				
5	QPSK	12	0		2280	2282	2284				
5	QPSK	12	7		2280	2280	2278	23.5	1		
5	QPSK	12	13		2277	2279	2280				
5	QPSK	25	0		2280	2281	2278				
5	16QAM	1	0		2209	2201	2209				
5	16QAM	1	12		2301	2297	2299	23.5	1		
5	16QAM	1	24		2305	2300	2303				
5	16QAM	12	0		2178	2179	2178				
5	16QAM	12	7		2176	2175	2175				
5	16QAM	12	13		2177	2176	2174	22.5	2		
5	16QAM	25	0		2182	2179	2181				
5	64QAM	1	0		2196	2194	2195				
5	64QAM	1	12		2185	2180	2183				
5	64QAM	1	24		2200	2199	2198	22.5	2		
5	64QAM	12	0		2077	2076	2080				
5	64QAM	12	7		2079	2080	2077				
5	64QAM	12	13		2080	2079	2077				
5	64QAM	25	0		2083	2081	2080	Turn-up (last line)	MPR (dB)		

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up test (dB)	MPR (dB)				
Channel				23760	23766	23860						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.97	24.02	24.00	25	0				
10	QPSK	1	25	23.95	23.92	23.98						
10	QPSK	1	49	23.79	23.77	23.77						
10	QPSK	25	0	22.81	22.84	22.81						
10	QPSK	25	12	22.89	22.87	22.86	24	1				
10	QPSK	25	25	22.83	22.89	22.88						
10	QPSK	50	0	22.89	22.99	22.91						
10	16QAM	1	0	23.00	23.10	23.01						
10	16QAM	1	25	23.08	23.15	23.16	24	1				
10	16QAM	1	49	23.08	23.15	23.00						
10	16QAM	25	0	21.80	21.86	21.86						
10	16QAM	25	12	21.84	21.86	21.80						
10	16QAM	25	25	21.88	21.86	21.89	23	2				
10	16QAM	50	0	21.83	21.87	21.86	22	3				
10	16QAM	50	12	21.86	21.84	22.00						
10	16QAM	50	25	22.08	21.92	22.08						
10	16QAM	1	0	22.08	22.09	22.09						
10	16QAM	1	48	22.07	22.09	22.09	23	2				
10	16QAM	1	25	22.04	22.03	22.01						
10	16QAM	25	12	20.93	20.96	20.96						
10	16QAM	25	25	20.97	20.97	20.97						
10	16QAM	50	0	20.93	20.99	20.96	22	3				
Channel				23765	23766	23865						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.91	23.92	23.92			25	0		
5	QPSK	1	12	23.90	23.85	23.93						
5	QPSK	1	24	23.72	23.71	23.67						
5	QPSK	12	0	22.81	22.80	22.81						
5	QPSK	12	7	22.80	22.82	22.81	24	1				
5	QPSK	12	13	22.82	22.80	22.82						
5	QPSK	25	0	22.84	22.93	22.92						
5	QPSK	25	1	22.84	23.03	23.03						
5	16QAM	1	0	22.98	23.10	23.13	24	1				
5	16QAM	1	24	23.00	23.11	23.15						
5	16QAM	12	0	21.75	21.79	21.81						
5	16QAM	12	7	21.74	21.81	21.74						
5	16QAM	12	13	21.83	21.81	21.84	23	2				
5	16QAM	25	0	21.78	21.81	21.81						
5	16QAM	1	0	21.90	21.87	21.92						
5	16QAM	1	12	20.81	21.83	22.03						
5	16QAM	1	24	21.97	22.02	22.02	23	2				
5	16QAM	12	0	20.89	20.84	20.86						
5	16QAM	17	0	20.85	20.81	20.86						
5	16QAM	12	13	20.82	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89	22	3				
5	16QAM	25	0	20.86	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89						
5	16QAM	25	0	20.86	20.89	20.89						

Band 26_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	821.5	831.5	841.5				
15	QPSK	1	37	23.95	23.98	23.94	25	0		
15	QPSK	1	74	24.01	24.01	23.90				
15	QPSK	36	0	22.95	22.95	22.95				
15	QPSK	36	39	22.93	22.89	22.88	24	1		
15	QPSK	36	20	22.90	22.97	22.84				
15	QPSK	75	0	22.97	22.97	22.92				
15	16QAM	1	0	23.21	23.26	23.21				
15	16QAM	1	37	23.19	23.26	23.19	24	1		
15	16QAM	1	74	23.20	23.14	23.13				
15	16QAM	36	0	21.94	21.91	21.91				
15	16QAM	36	39	21.96	21.94	21.85	23	2		
15	16QAM	75	0	21.95	21.95	21.93				
15	64QAM	1	0	22.00	21.95	22.00				
15	64QAM	1	37	22.03	22.13	22.09	23	2		
15	64QAM	1	74	22.06	21.94	21.96				
15	64QAM	36	0	20.95	20.93	20.97				
15	64QAM	36	20	20.91	20.95	20.92	22	3		
15	64QAM	36	39	20.99	20.95	20.86				
15	64QAM	75	0	20.97	20.95	20.92				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.94	23.97	23.94				
10	QPSK	1	25	23.90	23.90	23.85	25	0		
10	QPSK	1	49	23.95	23.92	23.84				
10	QPSK	25	0	22.92	22.92	22.89				
10	QPSK	25	12	22.83	22.80	22.83	24	1		
10	QPSK	25	25	22.88	22.84	22.78				
10	QPSK	50	0	22.92	22.88	22.86				
10	16QAM	1	0	23.15	23.21	23.11				
10	16QAM	1	25	23.11	23.23	23.00	24	1		
10	16QAM	1	49	23.12	23.06	23.08				
10	16QAM	25	0	21.89	21.81	21.82				
10	16QAM	25	12	21.79	21.85	21.82	23	2		
10	16QAM	25	25	21.85	21.88	21.80				
10	16QAM	50	0	21.89	21.86	21.85				
10	64QAM	1	0	21.93	21.89	22.12				
10	64QAM	1	25	21.95	22.06	22.02	23	2		
10	64QAM	1	49	21.96	22.07	21.91				
10	64QAM	25	0	20.95	20.95	20.95				
10	64QAM	25	25	20.93	20.86	20.79	22	3		
10	64QAM	50	0	20.92	20.86	20.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.97	24.00	23.95				
5	QPSK	1	12	23.97	23.92	23.84	25	0		
5	QPSK	1	24	23.96	23.96	23.84				
5	QPSK	12	0	22.91	22.90	22.86				
5	QPSK	12	7	22.83	22.81	22.80	24	1		
5	QPSK	12	13	22.88	22.84	22.77				
5	QPSK	25	0	22.89	22.93	22.84				
5	16QAM	1	0	23.14	23.19	23.15				
5	16QAM	1	12	23.12	23.18	22.99	24	1		
5	16QAM	1	24	23.14	23.05	23.08				
5	16QAM	12	0	21.89	21.86	21.85				
5	16QAM	12	7	21.83	21.85	21.79	23	2		
5	16QAM	12	13	21.88	21.86	21.77				
5	16QAM	25	0	21.90	21.90	21.86				
5	64QAM	1	0	21.93	21.87	22.10				
5	64QAM	1	12	21.97	22.04	22.02	23	2		
5	64QAM	1	24	21.96	21.89	21.91				
5	64QAM	12	0	20.87	20.84	20.92				
5	64QAM	12	7	20.83	20.88	20.86	22	3		
5	64QAM	12	13	20.91	20.86	20.81				
5	64QAM	25	0	20.87	20.89	20.85				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.97	24.02	23.97				
3	QPSK	1	8	23.96	23.90	23.88	25	0		
3	QPSK	1	14	23.95	23.95	23.85				
3	QPSK	8	0	22.90	22.91	22.86				
3	QPSK	8	4	22.83	22.83	22.78	24	1		
3	QPSK	7	0	22.90	22.81	22.76				
3	QPSK	15	0	22.91	22.92	22.87				
3	16QAM	1	0	23.21	23.21	23.18				
3	16QAM	1	8	23.10	23.23	23.09	24	1		
3	16QAM	1	14	23.15	23.08	23.03				
3	16QAM	8	0	21.89	21.81	21.84				
3	16QAM	8	4	21.89	21.86	21.83	23	2		
3	16QAM	8	7	21.87	21.84	21.77				
3	16QAM	15	0	21.87	21.89	21.88				
3	64QAM	1	8	21.96	22.08	22.00	23	2		
3	64QAM	1	14	21.98	22.04	21.99	23	2		
3	64QAM	1	14	21.97	21.86	21.88				
3	64QAM	8	0	20.90	20.83	20.92				
3	64QAM	8	4	20.94	20.88	20.87	22	3		
3	64QAM	8	7	20.94	20.85	20.78				
3	64QAM	15	0	20.92	20.79	20.82				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	814.7	831.5	848.3				
1.4	QPSK	1	5	23.90	23.88	23.88				
1.4	QPSK	1	5	23.90	23.92	23.82	25	0		
1.4	QPSK	3	0	23.93	24.00	23.94				
1.4	QPSK	3	1	23.94	23.90	23.88				
1.4	QPSK	3	3	23.91	23.95	23.82				
1.4	QPSK	6	0	22.92	22.96	22.96	24	1		
1.4	16QAM	1	0	23.15	23.19	23.16				
1.4	16QAM	1	5	23.13	23.21	23.03				
1.4	16QAM	3	0	22.93	22.92	22.90				
1.4	16QAM	3	1	22.86	22.84	22.79				
1.4	16QAM	25	0	22.90	22.83	22.75				
1.4	16QAM	6	0	21.88	21.87	21.88	23	2		
1.4	16QAM	1	0	21.91	21.89	22.08				
1.4	64QAM	1	3	21.95	22.08	22.00				
1.4	64QAM	1	5	21.98	21.87	21.87	23	2		
1.4	64QAM	3	0	21.88	21.84	21.86				
1.4	64QAM	3	1	21.79	21.82	21.84				
1.4	64QAM	3	3	21.91	21.84	21.77				
1.4	64QAM	6	0	20.88	20.89	20.85	22	3		

Band 26_Ant 1										
BW [MHz]	Modulation	RB Size [MHz]	RB Offset [MHz]	Power Line Ch. / Freq.	Power Mask Ch. / Freq.	Power Mask Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.15	20.15	20.15				
20	QPSK	1	37	20.89	20.94	20.91		24.5	0	
20	QPSK	1	74	20.86	20.83	20.81				
20	QPSK	36	0	22.66	22.66	22.69				
20	QPSK	36	20	22.63	22.65	22.64		23.5	1	
20	QPSK	36	39	22.67	22.68	22.67				
20	QPSK	75	0	22.67	22.68	22.66				
20	16QAM	1	0	22.99	23.12	23.23		23.5	1	
20	16QAM	1	37	23.15	23.15	23.15				
20	16QAM	1	74	23.19	23.17	23.09				
20	16QAM	36	0	21.84	21.87	21.90				
20	16QAM	36	20	21.85	21.88	21.88		22.5	2	
20	16QAM	36	39	21.87	21.85	21.81				
20	16QAM	75	0	21.89	21.87	21.81				
20	64QAM	1	0	22.10	21.98	22.15				
20	64QAM	1	37	22.04	22.15	22.09		22.5	2	
20	64QAM	1	74	22.04	22.11	21.78				
20	64QAM	36	0	20.85	20.87	20.93				
20	64QAM	36	20	20.84	20.87	20.86		21.5	3	
20	64QAM	36	39	20.91	20.80	20.80				
20	64QAM	75	0	20.87	20.87	20.89				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.90	23.89	23.84				
10	QPSK	1	25	23.80	23.88	23.82		24.5	0	
10	QPSK	1	49	23.19	23.88	23.78				
10	QPSK	25	0	22.84	22.86	22.79				
10	QPSK	25	12	22.75	22.76	22.75		23.5	1	
10	QPSK	25	25	22.77	22.81	22.69				
10	QPSK	50	0	22.82	22.80	22.80				
10	16QAM	1	0	23.10	23.09	23.15				
10	16QAM	1	25	23.05	23.06	23.10		23.5	1	
10	16QAM	1	49	23.12	23.13	23.12				
10	16QAM	25	0	21.78	21.80	21.83				
10	16QAM	25	12	21.76	21.82	21.81		22.5	2	
10	16QAM	25	25	21.77	21.78	21.73				
10	16QAM	50	0	21.82	21.82	21.83				
10	16QAM	1	0	22.01	21.98	22.05				
10	16QAM	1	25	21.99	22.08	22.01		22.5	2	
10	16QAM	1	49	21.97	22.03	21.96				
10	16QAM	25	0	20.76	20.80	20.85				
10	16QAM	25	12	20.75	20.79	20.78		21.5	3	
10	16QAM	25	25	20.83	20.75	20.72				
10	16QAM	50	0	20.81	20.78	20.80				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.90	23.91	23.85				
5	QPSK	1	12	23.84	23.87	23.81		24.5	0	
5	QPSK	1	24	23.80	23.83	23.79				
5	QPSK	12	0	22.88	22.87	22.79				
5	QPSK	12	7	22.75	22.76	22.67		23.5	1	
5	QPSK	12	13	22.78	22.76	22.67				
5	QPSK	25	0	22.80	22.81	22.67				
5	QPSK	25	7	22.80	22.87	23.13				
5	16QAM	1	12	23.08	23.07	23.15		23.5	1	
5	16QAM	1	24	23.12	23.10	23.04				
5	16QAM	12	0	21.77	21.79	21.83				
5	16QAM	12	7	21.79	21.82	21.80		22.5	2	
5	16QAM	12	13	21.82	21.85	21.77				
5	16QAM	25	0	21.79	21.80	21.85				
5	16QAM	1	0	22.02	21.87	22.05				
5	16QAM	1	12	21.99	22.06	22.02		22.5	2	
5	16QAM	1	24	22.00	22.04	22.03				
5	16QAM	12	12	20.80	20.77	20.84				
5	16QAM	12	7	20.75	20.80	20.79		21.5	3	
5	16QAM	12	13	20.83	20.74	20.71				
5	16QAM	25	0	20.77	20.81	20.80				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.90	23.91	23.87				
3	QPSK	1	8	23.82	23.88	23.82		24.5	0	
3	QPSK	1	14	23.80	23.84	23.71				
3	QPSK	8	0	22.87	22.89	22.79				
3	QPSK	8	7	22.76	22.77	22.67		23.5	1	
3	QPSK	8	14	22.81	22.77	22.67				
3	16QAM	1	0	22.77	22.82	22.80				
3	16QAM	1	8	22.89	23.00	23.15		23.5	1	
3	16QAM	1	14	23.10	23.14	23.10				
3	16QAM	8	0	21.76	21.79	21.82				
3	16QAM	8	7	21.80	21.83	21.83		22.5	2	
3	16QAM	8	14	21.82	21.82	21.81				
3	16QAM	15	0	21.78	21.78	21.77				
3	16QAM	1	0	21.94	22.10	21.99		22.5	2	
3	16QAM	1	14	21.97	22.05	21.71				
3	16QAM	8	0	20.77	20.80	20.78				
3	16QAM	8	7	20.75	20.80	20.75		21.5	3	
3	16QAM	8	14	20.79	20.79	20.78				
3	16QAM	15	0	20.80	20.78	20.72				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.86	23.91	23.85				
1.4	QPSK	1	3	23.82	23.84	23.81		24.5	0	
1.4	QPSK	1	6	23.79	23.84	23.81				
1.4	QPSK	3	0	23.90	23.93	23.88				
1.4	QPSK	3	1	23.84	23.85	23.81				
1.4	QPSK	3	3	23.76	23.88	23.74				
1.4	QPSK	6	0	22.79	22.83	22.80		23.5	1	
1.4	16QAM	1	0	22.91	23.02	23.16				
1.4	16QAM	1	3	23.10	23.15	23.09				
1.4	16QAM	1	5	23.10	23.08	23.05		23.5	1	
1.4	16QAM	3	0	22.83	22.89	22.82				
1.4	16QAM	3	1	22.78	22.75	22.72				
1.4	16QAM	3	3	22.79	22.79	22.72				
1.4	16QAM	6	0	21.81	21.84	21.82		22.5	2	
1.4	16QAM	1	0	22.03	21.88	22.07				
1.4	16QAM	1	3	21.99	22.09	22.00				
1.4	16QAM	1	5	21.92	22.08	21.70				
1.4	16QAM	3	0	21.76	21.77	21.78		22.5	2	
1.4	16QAM	3	1	21.76	21.76	21.79				
1.4	16QAM	3	3	21.82	21.79	21.71				
1.4	16QAM	6	0	20.80	20.82	20.82		21.5		

Band 66_Ant 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dBm)	MPR (dB)			
Channel				132072	132022	132072	23				
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	22.48	22.77	22.65	23	0			
20	QPSK	1	49	22.42	22.65	22.54					
20	QPSK	1	99	22.43	22.64	22.58					
20	QPSK	50	0	22.46	22.72	22.61					
20	QPSK	50	24	22.38	22.67	22.53	23	0			
20	QPSK	50	50	22.43	22.61	22.55					
20	QPSK	100	0	22.42	22.65	22.52					
20	16QAM	1	0	22.37	22.68	22.60					
20	16QAM	1	49	22.46	22.62	22.64	23	0			
20	16QAM	1	99	22.43	22.75	22.55					
20	16QAM	50	0	21.24	21.48	21.66					
20	16QAM	50	24	21.26	21.53	21.80					
20	16QAM	50	50	21.21	21.56	21.80	22.5	0.5			
20	16QAM	100	0	21.22	21.52	21.59					
20	64QAM	1	0	21.41	21.63	21.65					
20	64QAM	1	49	21.36	21.69	21.76					
20	64QAM	1	99	21.38	21.59	21.57	22.5	0.5			
20	64QAM	50	0	20.24	20.48	20.63					
20	64QAM	50	24	20.24	20.53	20.68					
20	64QAM	50	50	20.18	20.57	20.58					
20	64QAM	100	0	20.20	20.52	20.57	21.5	1.5			
Channel				131972	132022	132072					
Frequency (MHz)				1717.5	1745	1772.5	23	MPR (dB)			
15	QPSK	1	0	22.44	22.75	22.58				23	
15	QPSK	1	37	22.37	22.52	22.48					
15	QPSK	1	74	22.32	22.59	22.45					
15	QPSK	36	0	22.36	22.68	22.53					
15	QPSK	36	20	22.27	22.63	22.46	23	0			
15	QPSK	36	36	22.32	22.46	22.44					
15	QPSK	75	0	22.31	22.51	22.44					
15	16QAM	1	0	22.26	22.65	22.54					
15	16QAM	1	37	22.34	22.48	22.56	23	0			
15	16QAM	1	74	22.36	22.67	22.42					
15	16QAM	36	0	21.19	21.42	21.56					
15	16QAM	36	20	21.17	21.45	21.52					
15	16QAM	36	36	21.13	21.49	21.50	22.5	0.5			
15	16QAM	75	0	21.13	21.47	21.52					
15	64QAM	1	0	21.31	21.58	21.57					
15	64QAM	1	37	21.29	21.63	21.69					
15	64QAM	1	74	21.31	21.54	21.49	22.5	0.5			
15	64QAM	36	0	20.14	20.40	20.56					
15	64QAM	36	20	20.16	20.43	20.55					
15	64QAM	36	36	20.08	20.50	20.50					
15	64QAM	75	0	20.13	20.45	20.50	21.5	1.5			
Channel				132022	132022	132022					
Frequency (MHz)				1715	1745	1775	23	MPR (dB)			
10	QPSK	1	0	22.46	22.76	22.56				23	
10	QPSK	1	25	22.34	22.50	22.48					
10	QPSK	1	49	22.31	22.61	22.44					
10	QPSK	25	0	22.38	22.64	22.54					
10	QPSK	25	12	22.31	22.53	22.51	23	0			
10	QPSK	25	26	22.40	22.50	22.51					
10	QPSK	50	0	22.36	22.57	22.38					
10	16QAM	1	0	22.26	22.54	22.57					
10	16QAM	1	25	22.33	22.59	22.52	23	0			
10	16QAM	1	49	22.39	22.65	22.47					
10	16QAM	25	0	21.14	21.42	21.59					
10	16QAM	25	12	21.19	21.47	21.53					
10	16QAM	25	25	21.16	21.49	21.51	22.5	0.5			
10	16QAM	50	0	21.14	21.45	21.54					
10	64QAM	1	0	21.32	21.53	21.60					
10	64QAM	1	25	21.29	21.60	21.68					
10	64QAM	1	49	21.32	21.49	21.49	22.5	0.5			
10	64QAM	25	0	20.14	20.40	20.56					
10	64QAM	25	12	20.19	20.45	20.52					
10	64QAM	25	25	20.11	20.47	20.53					
10	64QAM	50	0	20.14	20.40	20.47	21.5	1.5			
Channel				131997	132002	132007					
Frequency (MHz)				1712.5	1745	1777.5	23	MPR (dB)			
5	QPSK	1	0	22.44	22.74	22.61				23	
5	QPSK	1	12	22.37	22.50	22.49					
5	QPSK	1	24	22.36	22.55	22.57					
5	QPSK	12	0	22.39	22.66	22.40					
5	QPSK	12	7	22.28	22.54	22.43	23	0			
5	QPSK	12	13	22.28	22.49	22.50					
5	QPSK	25	0	22.34	22.55	22.48					
5	16QAM	1	0	22.23	22.67	22.46					
5	16QAM	1	12	22.36	22.58	22.55	23	0			
5	16QAM	1	24	22.34	22.60	22.52					
5	16QAM	12	0	21.19	21.38	21.60					
5	16QAM	12	7	21.21	21.47	21.51					
5	16QAM	12	13	21.13	21.51	21.53	22.5	0.5			
5	16QAM	25	0	21.17	21.46	21.49					
5	64QAM	1	0	21.35	21.54	21.55					
5	64QAM	1	12	21.29	21.63	21.71					
5	64QAM	1	24	21.28	21.51	21.47	22.5	0.5			
5	64QAM	12	0	20.19	20.45	20.53					
5	64QAM	12	7	20.15	20.47	20.55					
5	64QAM	12	13	20.08	20.52	20.48					
5	64QAM	25	0	20.13	20.43	20.50	21.5	1.5			
Channel				131987	132002	132007					
Frequency (MHz)				1711.5	1745	1776.5	23	MPR (dB)			
3	QPSK	1	0	22.40	22.66	22.54				23	
3	QPSK	1	8	22.31	22.52	22.59					
3	QPSK	1	14	22.38	22.57	22.51					
3	QPSK	8	0	22.41	22.59	22.59					
3	QPSK	8	4	22.36	22.65	22.45	23	0			
3	QPSK	8	7	22.28	22.57	22.52					
3	QPSK	15	0	22.52	22.52	22.46					
3	16QAM	1	0	22.31	22.53	22.50					
3	16QAM	1	8	22.34	22.53	22.54	23	0			
3	16QAM	1	14	22.31	22.74	22.54					
3	16QAM	8	0	21.19	21.40	21.57					
3	16QAM	8	4	21.21	21.46	21.53					
3	16QAM	8	7	21.15	21.48	21.50	22.5	0.5			
3	16QAM	15	0	21.16	21.45	21.51					
3	64QAM	1	0	21.32	21.53	21.50					
3	64QAM	1	8	21.28	21.64	21.70					
3	64QAM	1	14	21.33	21.54	21.47	22.5	0.5			
3	64QAM	8	0	20.15	20.38	20.57					
3	64QAM	8	4	20.15	20.44	20.50					
3	64QAM	8	7	20.08	20.47	20.51					
3	64QAM	15	0	20.11	20.44	20.49	21.5	1.5			
Channel				131979	132002	132008					
Frequency (MHz)				1710.7	1745	1776.3	23	MPR (dB)			
1.4	QPSK	1	0	22.45	22.71	22.52				23	
1.4	QPSK	1	3	22.34	22.50	22.53					
1.4	QPSK	1	5	22.41	22.49	22.46					
1.4	QPSK	3	0	22.44	22.56	22.52					
1.4	QPSK	3	1	22.53	22.55	22.47	23	0			
1.4	QPSK	3	3	22.38	22.47	22.41					
1.4	QPSK	6	0	22.36	22.53	22.45					
1.4	16QAM	1	0	22.36	22.60	22.46					
1.4	16QAM	1	3	22.44	22.52	22.49	23	0			
1.4	16QAM	1	5	22.40	22.65	22.54					
1.4	16QAM	3	0	22.34	22.71	22.58					
1.4	16QAM	3	1	22.36	22.59	22.47	22.5	0.5			
1.4	16QAM	3	3	22.40	22.68	22.51					
1.4	16QAM	3	5	22.18	21.44	21.51					
1.4	16QAM	3	3	20.15	20.47	21.54					
1.4	64QAM	6	0	20.14	20.44	20.48	21.5	1.5			

Band 38_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				37850	38000	38150								
Frequency (MHz)				2575	2595	2615								
20	QPSK	1	0	21.47	21.41	21.35	22	0						
20	QPSK	1	49	21.43	21.40	21.20								
20	QPSK	1	99	21.46	21.35	21.22								
20	QPSK	50	0	21.46	21.41	21.31								
20	QPSK	50	24	21.37	21.31	21.26	22	0						
20	QPSK	50	90	21.43	21.35	21.21								
20	QPSK	100	0	21.42	21.38	21.31								
20	16QAM	1	0	21.35	21.39	21.22								
20	16QAM	1	49	21.36	21.33	21.32	22	0						
20	16QAM	1	99	21.36	21.42	21.28								
20	16QAM	50	0	21.38	21.32	21.21								
20	16QAM	50	24	21.39	21.38	21.31								
20	16QAM	50	50	21.44	21.35	21.20	22	0						
20	16QAM	100	0	21.40	21.32	21.30								
20	64QAM	1	0	21.38	21.32	21.25								
20	64QAM	1	49	21.43	21.29	21.28								
20	64QAM	1	99	21.42	21.37	21.30	22	0						
20	64QAM	50	0	20.41	20.29	20.21								
20	64QAM	50	24	20.43	20.28	20.24								
20	64QAM	50	50	20.41	20.21	20.27								
20	64QAM	100	0	20.42	20.27	20.22								
Channel														
Frequency (MHz)				37825	38000	38175					Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5								
15	QPSK	1	0	21.36	21.32	21.26					22	0		
15	QPSK	1	37	21.41	21.25	21.19								
15	QPSK	1	74	21.41	21.20	21.12								
15	QPSK	36	0	21.32	21.30	21.16								
15	QPSK	36	20	21.34	21.17	21.13	22	0						
15	QPSK	36	39	21.28	21.25	21.06								
15	QPSK	75	0	21.35	21.35	21.30								
15	16QAM	1	0	21.34	21.34	21.18								
15	16QAM	1	37	21.23	21.28	21.22	22	0						
15	16QAM	1	74	21.33	21.30	21.22								
15	16QAM	36	0	21.32	21.20	21.20								
15	16QAM	36	20	21.38	21.30	21.30								
15	16QAM	36	39	21.35	21.25	21.16	22	0						
15	16QAM	75	0	21.36	21.20	21.18								
15	64QAM	1	0	21.21	21.30	21.18								
15	64QAM	1	37	21.28	21.18	21.22								
15	64QAM	1	74	21.30	21.35	21.20	21	1						
15	64QAM	36	0	20.31	20.19	20.12								
15	64QAM	36	20	20.35	20.22	20.16								
15	64QAM	36	39	20.31	20.11	20.18								
15	64QAM	75	0	20.33	20.21	20.12								
Channel														
Frequency (MHz)				37800	38000	38200					Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615								
10	QPSK	1	0	21.37	21.40	21.34					22	0		
10	QPSK	1	25	21.33	21.29	21.16								
10	QPSK	1	49	21.45	21.25	21.18								
10	QPSK	25	0	21.32	21.34	21.16								
10	QPSK	25	12	21.25	21.23	21.16	22	0						
10	QPSK	25	25	21.30	21.30	21.08								
10	QPSK	50	0	21.40	21.28	21.22								
10	16QAM	1	0	21.33	21.25	21.16								
10	16QAM	1	25	21.25	21.21	21.31	22	0						
10	16QAM	1	49	21.28	21.23	21.18								
10	16QAM	25	0	21.26	21.29	21.08								
10	16QAM	25	12	21.37	21.28	21.27								
10	16QAM	25	25	21.32	21.26	21.05	22	0						
10	16QAM	50	0	21.30	21.27	21.21								
10	64QAM	1	0	21.23	21.25	21.21								
10	64QAM	1	25	21.27	21.26	21.14								
10	64QAM	1	49	21.29	21.32	21.29	22	0						
10	64QAM	25	0	20.33	20.18	20.13								
10	64QAM	25	12	20.33	20.19	20.16								
10	64QAM	25	25	20.34	20.12	20.21								
10	64QAM	50	0	20.36	20.17	20.14								
Channel														
Frequency (MHz)				37775	38000	38225					Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2612.5								
5	QPSK	1	0	21.41	21.37	21.31					22	0		
5	QPSK	1	12	21.41	21.38	21.06								
5	QPSK	1	24	21.42	21.23	21.17								
5	QPSK	12	0	21.45	21.33	21.20								
5	QPSK	12	7	21.32	21.16	21.12	22	0						
5	QPSK	12	13	21.30	21.30	21.20								
5	QPSK	25	0	21.31	21.34	21.23								
5	16QAM	1	0	21.25	21.37	21.18								
5	16QAM	1	12	21.34	21.26	21.29	22	0						
5	16QAM	1	24	21.32	21.42	21.21								
5	16QAM	12	0	21.27	21.17	21.15								
5	16QAM	12	7	21.37	21.31	21.28								
5	16QAM	12	13	21.42	21.34	21.15	22	0						
5	16QAM	25	0	21.38	21.29	21.17								
5	64QAM	1	0	21.26	21.24	21.11								
5	64QAM	1	12	21.42	21.17	21.27								
5	64QAM	1	24	21.31	21.33	21.27	21	1						
5	64QAM	12	0	20.31	20.21	20.11								
5	64QAM	12	7	20.38	20.18	20.18								
5	64QAM	12	13	20.33	20.11	20.19								
5	64QAM	25	0	20.34	20.17	20.14								

Band 38_Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel				37850	38000	38150								
Frequency (MHz)				2580	2595	2610								
20	QPSK	1	0	23.50	23.43	23.35	24	0						
20	QPSK	1	49	23.45	23.38	23.30								
20	QPSK	1	99	23.40	23.20	23.11								
20	QPSK	50	0	22.64	22.53	22.45								
20	QPSK	50	24	22.65	22.45	22.39	23	1						
20	QPSK	50	50	22.52	22.35	22.25								
20	QPSK	100	0	22.51	22.42	22.32								
20	16QAM	1	0	22.65	22.73	22.61								
20	16QAM	1	49	22.74	22.75	22.54	23	1						
20	16QAM	1	99	22.68	22.47	22.74								
20	16QAM	50	0	21.54	21.56	21.50	22	2						
20	16QAM	50	24	21.57	21.46	21.40								
20	16QAM	50	50	21.56	21.37	21.31								
20	16QAM	100	0	21.52	21.45	21.34								
20	64QAM	1	0	21.53	21.59	21.46	22	2						
20	64QAM	1	49	21.60	21.54	21.39								
20	64QAM	1	99	21.51	21.32	21.20								
20	64QAM	50	0	20.52	20.53	20.43								
20	64QAM	50	24	20.52	20.46	20.37	21	3						
20	64QAM	50	50	20.52	20.42	20.30								
20	64QAM	100	0	20.50	20.47	20.35								
Channel				37825	38000	38175					Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5								
15	QPSK	1	0	23.37	23.36	23.37	24	0						
15	QPSK	1	37	23.41	23.38	23.22								
15	QPSK	1	75	23.31	23.14	23.06								
15	QPSK	36	0	22.53	22.52	22.40								
15	QPSK	36	36	22.52	22.36	22.31	23	1						
15	QPSK	36	39	22.48	22.23	22.22								
15	QPSK	72	0	22.44	22.30	22.31								
15	16QAM	1	0	22.53	22.60	22.38								
15	16QAM	1	37	22.69	22.64	22.44	23	1						
15	16QAM	1	74	22.55	22.44	22.22								
15	16QAM	36	0	21.52	21.49	21.37								
15	16QAM	36	36	21.53	21.39	21.39								
15	16QAM	36	39	21.53	21.34	21.16	22	2						
15	16QAM	72	0	21.49	21.37	21.31								
15	64QAM	1	0	21.36	21.45	21.42								
15	64QAM	1	37	21.50	21.46	21.39								
15	64QAM	1	74	21.47	21.37	21.25	22	2						
15	64QAM	36	0	20.45	20.45	20.32								
15	64QAM	36	20	20.41	20.38	20.34								
15	64QAM	36	39	20.39	20.30	20.21								
Channel				37800 <th>38000</th> <th>38200</th> <th>Turn-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	38000	38200	Turn-up limit (dBm)	MPR (dB)						
Frequency (MHz)				2577.5	2595	2615								
10	QPSK	1	0	23.41	23.40	23.28	24	0						
10	QPSK	1	25	23.33	23.29	23.16								
10	QPSK	1	49	23.26	23.07	23.05								
10	QPSK	1	74	22.63	22.53	22.44								
10	QPSK	23	12	22.50	22.34	22.35	23	1						
10	QPSK	25	25	22.38	22.26	22.13								
10	QPSK	50	0	22.46	22.32	22.22								
10	QPSK	50	24	22.64	22.59	22.48								
10	16QAM	1	0	22.53	22.55	22.48	23	1						
10	16QAM	1	49	22.54	22.38	22.22								
10	16QAM	25	0	21.46	21.55	21.49								
10	16QAM	25	12	21.50	21.33	21.31								
10	16QAM	25	25	21.54	21.34	21.29	22	2						
10	16QAM	50	0	21.48	21.49	21.33								
10	64QAM	1	0	21.45	21.46	21.31								
10	64QAM	1	25	21.56	21.43	21.36								
10	64QAM	1	49	21.45	21.26	21.10	22	2						
10	64QAM	23	12	20.38	20.36	20.36								
10	64QAM	23	12	20.38	20.29	20.32								
10	64QAM	25	25	20.44	20.28	20.13								
10	64QAM	50	0	20.42	20.41	20.23	21	3						
Channel				37775	38000	38225					Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.25	2595	2625								
5	QPSK	1	0	23.39	23.42	23.30					24	0		
5	QPSK	1	12	23.34	23.23	23.06								
5	QPSK	1	24	23.34	23.08	23.00								
5	QPSK	12	0	22.62	22.51	22.39								
5	QPSK	12	7	22.62	22.32	22.38	23	1						
5	QPSK	13	23	22.35	22.23	22.20								
5	QPSK	25	0	22.41	22.32	22.23								
5	16QAM	1	0	22.60	22.59	22.39								
5	16QAM	1	12	22.70	22.65	22.49	23	1						
5	16QAM	1	24	22.66	22.41	22.23								
5	16QAM	13	6	22.65	22.44	21.48								
5	16QAM	12	7	21.53	21.37	21.28								
5	16QAM	12	13	21.49	21.32	21.28	22	2						
5	16QAM	25	0	21.51	21.43	21.29								
5	64QAM	1	0	21.45	21.45	21.38								
5	64QAM	1	12	21.59	21.45	21.36								
5	64QAM	1	24	21.43	21.25	21.17	22	2						
5	64QAM	12	0	20.41	20.40	20.40								
5	64QAM	12	7	20.40	20.35	20.31								
5	64QAM	12	13	20.39	20.34	20.34								
5	64QAM	25	0	20.35	20.41	20.27	21	3						
5	64QAM	25	12	20.35	20.21	20.21								
5	64QAM	25	24	20.35	20.21	20.21								
5	64QAM	25	25	20.35	20.21	20.21								

Band 41_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid Ch. Freq.	Power High Ch. Freq.	Power High Mid Ch. Freq.	Power High Ch. Freq.		Tune-up Int. (dBm)	MPR (dB)	
Channel												
Frequency (MHz)				39750	40185	40620	41055	41490				
20	QPSK	1	0	2097	2115	2120	2098	2109		2175	0	
20	QPSK	1	49	2099	2126	2122	2102	2111				
20	QPSK	1	99	2105	2127	2129	2113	2124				
20	QPSK	50	0	2092	2117	2121	2101	2113				
20	QPSK	50	24	2094	2110	2119	2100	2120				
20	QPSK	50	50	2095	2115	2118	2103	2112				
20	16QAM	100	0	2104	2121	2125	2105	2123				
20	16QAM	1	0	2098	2121	2127	2109	2109				
20	16QAM	1	49	2103	2128	2117	2110	2115				
20	16QAM	1	99	2099	2127	2119	2099	2111				
20	16QAM	50	0	2099	2119	2115	2101	2112				
20	16QAM	50	24	2104	2122	2120	2107	2117		2175	0	
20	16QAM	50	50	2091	2118	2114	2104	2112				
20	16QAM	100	0	2103	2121	2115	2106	2112				
20	16QAM	1	0	2098	2123	2119	2106	2112				
20	16QAM	1	49	2099	2126	2121	2102	2110		2175	0	
20	16QAM	1	99	2102	2128	2122	2106	2122				
20	16QAM	50	0	2049	2082	2084	2076	2084				
20	16QAM	50	24	2059	2091	2092	2074	2084				
20	16QAM	50	50	2048	2089	2089	2078	2078		215	0.25	
20	16QAM	100	0	2061	2087	2092	2074	2078				
Channel												
Frequency (MHz)				39755	40173	40620	41068	41515		Tune-up Int. (dBm)	MPR (dB)	
15	QPSK	1	0	2084	2110	2105	2085	2107		2175	0	
15	QPSK	1	37	2092	2111	2107	2094	2109				
15	QPSK	1	74	2090	2123	2123	2106	2117				
15	QPSK	36	0	2088	2115	2113	2100	2099				
15	QPSK	36	20	2093	2109	2118	2090	2108		2175	0	
15	QPSK	36	39	2091	2108	2116	2101	2117				
15	QPSK	75	0	2092	2120	2118	2090	2108				
15	16QAM	1	0	2085	2125	2124	2101	2096				
15	16QAM	1	37	2100	2126	2115	2100	2104		2175	0	
15	16QAM	1	74	2093	2112	2105	2095	2107				
15	16QAM	36	0	2092	2118	2109	2094	2105				
15	16QAM	36	20	2092	2109	2110	2104	2115		2175	0	
15	16QAM	36	39	2079	2114	2111	2095	2105				
15	16QAM	75	0	2099	2110	2101	2104	2105				
15	16QAM	1	0	2094	2108	2116	2093	2096				
15	16QAM	1	37	2095	2118	2117	2095	2110		2175	0	
15	16QAM	1	74	2093	2123	2114	2099	2118				
15	16QAM	36	0	2044	2075	2085	2069	2078				
15	16QAM	36	20	2051	2081	2083	2066	2079		215	0.25	
15	16QAM	36	39	2060	2082	2080	2073	2086				
15	16QAM	75	0	2054	2077	2086	2064	2071				
Channel												
Frequency (MHz)				39760	40160	40620	41080	41540		Tune-up Int. (dBm)	MPR (dB)	
10	QPSK	1	0	2086	2111	2117	2095	2097		2175	0	
10	QPSK	1	25	2088	2118	2118	2089	2101				
10	QPSK	1	49	2101	2117	2126	2106	2109				
10	QPSK	25	0	2088	2104	2118	2089	2104				
10	QPSK	25	12	2088	2108	2106	2088	2115		2175	0	
10	QPSK	25	25	2092	2105	2114	2092	2109				
10	QPSK	50	0	2091	2118	2117	2102	2113				
10	16QAM	1	0	2097	2127	2114	2096	2097				
10	16QAM	1	25	2097	2126	2108	2100	2109				
10	16QAM	1	49	2084	2115	2105	2093	2103				
10	16QAM	25	0	2094	2117	2104	2091	2103				
10	16QAM	25	12	2095	2108	2106	2102	2111		2175	0	
10	16QAM	25	25	2094	2113	2104	2096	2099				
10	16QAM	50	0	2099	2114	2111	2094	2098				
10	16QAM	1	0	2095	2115	2108	2097	2108				
10	16QAM	1	25	2091	2111	2110	2098	2110		2175	0	
10	16QAM	1	49	2088	2114	2119	2097	2116				
10	16QAM	25	0	2040	2074	2085	2067	2077				
10	16QAM	25	12	2054	2085	2082	2064	2079		215	0.25	
10	16QAM	25	25	2056	2090	2084	2069	2087				
10	16QAM	50	0	2053	2082	2082	2069	2072				
Channel												
Frequency (MHz)				39765	40148	40620	41093	41555		Tune-up Int. (dBm)	MPR (dB)	
5	QPSK	1	0	2096	2115	2115	2099	2098		2175	0	
5	QPSK	1	12	2097	2115	2111	2094	2107				
5	QPSK	1	24	2093	2124	2125	2112	2113				
5	QPSK	12	0	2083	2103	2113	2097	2101				
5	QPSK	12	7	2084	2095	2106	2097	2110		2175	0	
5	QPSK	12	13	2092	2109	2115	2090	2121				
5	QPSK	25	0	2103	2119	2118	2102	2117				
5	16QAM	1	0	2090	2114	2124	2098	2098				
5	16QAM	1	12	2098	2121	2102	2102	2115		2175	0	
5	16QAM	1	24	2085	2116	2109	2092	2110				
5	16QAM	12	0	2087	2116	2103	2095	2097				
5	16QAM	12	7	2090	2108	2115	2106	2111				
5	16QAM	12	13	2088	2117	2108	2092	2101				
5	16QAM	25	0	2095	2108	2106	2098	2107				
5	16QAM	1	0	2088	2121	2119	2101	2105		2175	0	
5	16QAM	1	12	2096	2125	2107	2094	2114				
5	16QAM	1	24	2101	2116	2114	2096	2113				
5	16QAM	12	0	2040	2075	2084	2070	2074				
5	16QAM	12	7	2054	2081	2085	2064	2079		215	0.25	
5	16QAM	12	13	2056	2090	2083	2072	2088				
5	16QAM	25	0	2055	2075	2082	2069	2075				

Band 41_Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Low Mid Ch./Freq	Power Mid Ch./Freq	Power High Mid Ch./Freq	Power High Ch./Freq	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.27	23.05	22.35	21.80	21.81						
20	QPSK	1	49	23.37	23.04	22.37	21.82	21.85	23.75	0				
20	QPSK	1	99	23.37	23.14	22.48	21.82	21.86						
20	QPSK	50	0	23.26	23.03	22.36	21.83	21.78						
20	QPSK	50	24	23.23	22.99	22.35	21.85	21.80						
20	QPSK	50	50	23.23	23.15	22.35	21.75	21.85	23.75	0				
20	QPSK	100	0	23.30	23.08	22.44	21.88	21.78						
20	16QAM	1	0	23.32	23.03	22.36	21.89	21.82						
20	16QAM	1	49	23.32	23.12	22.40	21.77	21.80	23.75	0				
20	16QAM	50	0	23.27	23.05	22.35	21.83	21.78						
20	16QAM	50	0	22.70	22.66	21.89	21.23	21.28						
20	16QAM	50	24	22.82	22.61	21.80	21.20	21.26		0.75				
20	16QAM	50	50	22.86	22.60	21.71	21.21	21.16						
20	16QAM	100	0	22.79	22.56	21.78	21.21	21.19						
20	64QAM	1	0	23.24	23.00	22.34	21.84	21.84		0.75				
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24		0.75				
20	64QAM	1	99	22.82	22.42	21.64	21.05	21.15						
20	64QAM	50	0	21.68	21.60	20.85	20.24	20.22						
20	64QAM	50	24	21.78	21.59	20.79	20.19	20.24		1.75				
20	64QAM	50	50	21.82	21.57	20.77	20.17	20.22						
20	64QAM	100	0	21.80	21.55	20.77	20.17	20.18						
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.20	23.43	22.20	21.86	21.83						
15	QPSK	1	37	23.16	22.95	22.30	21.88	21.93	23.75	0				
15	QPSK	1	74	23.20	23.09	22.30	21.86	21.88						
15	QPSK	36	0	23.16	23.02	22.35	21.85	21.75						
15	QPSK	36	20	23.20	22.97	22.32	21.86	21.81	23.75	0				
15	QPSK	36	39	23.33	23.01	22.38	21.80	21.81						
15	QPSK	75	0	23.18	22.97	22.32	21.83	21.83						
15	16QAM	1	0	23.28	22.89	22.34	21.90	21.79						
15	16QAM	1	37	23.30	23.08	22.29	21.79	21.75	23.75	0				
15	16QAM	1	74	23.22	22.97	22.34	21.92	21.82						
15	16QAM	36	0	22.85	22.56	21.83	21.34	21.25						
15	16QAM	36	20	22.74	22.52	21.86	21.20	21.20		0.75				
15	16QAM	36	39	22.80	22.45	21.66	21.22	21.01						
15	16QAM	75	0	22.75	22.47	21.73	21.28	21.07						
15	64QAM	1	0	22.60	22.27	21.78	21.37	21.14						
15	64QAM	1	37	22.68	22.36	21.67	21.26	21.17	23	0.75				
15	64QAM	1	74	22.68	22.31	21.71	21.24	21.05						
15	64QAM	36	0	21.67	21.52	20.81	20.37	20.15						
15	64QAM	36	20	21.65	21.47	20.64	20.34	20.15		1.75				
15	64QAM	36	39	21.75	21.46	20.63	20.35	20.03						
15	64QAM	75	0	21.68	21.54	20.82	20.37	20.13						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.26	22.97	22.28	21.86	21.81						
10	QPSK	1	25	23.19	22.91	22.27	21.84	21.88	23.75	0				
10	QPSK	1	49	23.30	23.04	22.37	21.84	21.84						
10	QPSK	48	0	23.13	22.93	22.27	21.83	21.84						
10	QPSK	25	12	23.17	22.87	22.32	21.84	21.81	23.75	0				
10	QPSK	25	25	23.29	23.12	22.38	21.88	21.88						
10	QPSK	50	0	23.18	22.84	22.34	21.82	21.85						
10	16QAM	1	0	23.28	22.89	22.24	21.97	21.78						
10	16QAM	1	25	23.27	23.05	22.27	21.85	21.88	23.75	0				
10	16QAM	1	49	23.20	23.03	22.38	21.94	21.75						
10	16QAM	25	0	22.67	22.53	21.74	21.28	21.22						
10	16QAM	25	12	22.73	22.54	21.70	21.38	21.24		0.75				
10	16QAM	25	25	22.78	22.55	21.75	21.35	21.11	23					
10	16QAM	50	0	22.65	22.52	21.75	21.30	21.21						
10	64QAM	1	0	22.49	22.49	21.83	21.38	21.14						
10	64QAM	1	25	22.72	22.57	21.67	21.35	21.14	23	0.75				
10	64QAM	1	49	22.72	22.28	21.67	21.19	21.13						
10	64QAM	25	0	21.62	21.48	20.67	20.31	20.14						
10	64QAM	25	12	21.73	21.50	20.77	20.34	20.12		1.75				
10	64QAM	25	25	21.74	21.54	20.62	20.34	20.05						
10	64QAM	50	0	21.76	21.45	20.68	20.35	20.12						
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.28	23.03	22.33	21.86	21.80						
5	QPSK	1	12	23.22	23.01	22.24	21.84	21.82	23.75	0				
5	QPSK	1	24	23.34	23.01	22.24	21.82	21.89						
5	QPSK	12	0	23.21	22.95	22.23	21.85	21.84						
5	QPSK	12	7	23.17	22.85	22.21	21.87	21.80	23.75	0				
5	QPSK	25	0	23.13	22.92	22.03	21.79	21.79						
5	QPSK	25	0	23.29	23.01	22.31	21.97	21.87						
5	16QAM	1	0	23.18	22.92	22.30	21.95	21.83						
5	16QAM	1	12	23.23	23.06	22.28	21.82	21.88	23.75	0				
5	16QAM	1	24	23.21	23.04	22.40	21.90	21.82						
5	16QAM	12	0	22.61	22.56	21.87	21.38	21.14						
5	16QAM	12	7	22.72	22.51	21.79	21.39	21.24		0.75				
5	16QAM	12	13	22.71	22.59	21.60	21.26	21.21						
5	16QAM	25	0	22.73	22.55	21.73	21.31	21.16						
5	64QAM	1	0	21.67	21.56	20.84	20.34	20.22						
5	64QAM	1	12	22.67	22.53	21.63	21.33	21.09	23	0.75				
5	64QAM	1	24	22.69	22.21	21.31	21.13	21.14						
5	64QAM	12	0	21.53	21.55	20.84	20.36	20.14						
5	64QAM	12	7	21.71	21.47	20.77	20.27	20.16		1.75				
5	64QAM	12	13	21.76	21.56	20.67	20.20	20.02						
5	64QAM	25	0	21.65	21.45	20.64	20.29	20.13						

Reduced Power Mode for ECI 2&4

GSM850_Ant 0		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	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot		33.01	33.03	32.87		24.01	24.03	23.87	
GPRS 1 Tx slot		33.04	33.00	32.89	33.50	24.04	24.00	23.89	24.50
GPRS 2 Tx slots		30.65	30.61	30.49	32.00	24.65	24.61	24.49	26.00
GPRS 3 Tx slots		29.03	29.08	28.94	30.50	24.77	24.82	24.68	26.24
GPRS 4 Tx slots		27.17	27.26	27.10	29.00	24.17	24.26	24.10	26.00
EDGE(GMSK 1 Tx slot)		32.95	32.91	32.79	33.50	23.95	23.91	23.79	24.50
EDGE(GMSK 2 Tx slot)		30.56	30.52	30.44	32.00	24.56	24.52	24.44	26.00
EDGE(GMSK 3 Tx slot)		28.94	29.00	28.85	30.50	24.68	24.74	24.59	26.24
EDGE(GMSK 4 Tx slot)		27.11	27.18	27.00	29.00	24.11	24.18	24.00	26.00
EDGE(8PSK 1 Tx slot)		26.83	26.81	26.69	28.50	17.83	17.81	17.69	19.50
EDGE(8PSK 2 Tx slot)		24.26	24.19	23.98	24.50	18.26	18.19	17.98	18.50
EDGE(8PSK 3 Tx slot)		22.32	22.34	22.15	22.50	18.06	18.08	17.89	18.24
EDGE(8PSK 4 Tx slot)		21.37	21.42	21.34	22.00	18.37	18.42	18.34	19.00

GSM1900_Ant 4		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	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		30.18	29.93	29.91		21.18	20.93	20.91	
GPRS 1 Tx slot		30.15	29.91	29.83	30.50	21.15	20.91	20.83	21.50
GPRS 2 Tx slots		27.92	27.75	27.67	28.50	21.92	21.75	21.67	22.50
GPRS 3 Tx slots		26.43	26.48	26.25	27.50	22.17	22.22	21.99	23.24
GPRS 4 Tx slots		24.69	24.66	24.59	25.50	21.69	21.66	21.59	22.50
EDGE(GMSK 1 Tx slot)		30.05	29.81	29.77	30.50	21.05	20.81	20.77	21.50
EDGE(GMSK 2 Tx slot)		27.83	27.68	27.62	28.50	21.83	21.68	21.62	22.50
EDGE(GMSK 3 Tx slot)		26.35	26.39	26.15	27.50	22.09	22.13	21.89	23.24
EDGE(GMSK 4 Tx slot)		24.59	24.59	24.54	25.50	21.59	21.59	21.54	22.50
EDGE(8PSK 1 Tx slot)		26.59	26.45	26.23	28.00	17.59	17.45	17.23	19.00
EDGE(8PSK 2 Tx slot)		24.53	24.51	24.18	25.00	18.53	18.51	18.18	19.00
EDGE(8PSK 3 Tx slot)		22.77	22.67	22.53	23.00	18.51	18.41	18.27	18.74
EDGE(8PSK 4 Tx slot)		21.40	21.31	21.07	22.50	18.40	18.31	18.07	19.50

GSM1900_Ant 1		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	30.00	1850.2	1880	1909.8	21.00
GSM 1 Tx slot		29.01	29.25	29.16		20.01	20.25	20.16	
GPRS 1 Tx slot		29.14	29.26	29.23	30.00	20.14	20.26	20.23	21.00
GPRS 2 Tx slots		27.02	27.13	26.99	28.00	21.02	21.13	20.99	22.00
GPRS 3 Tx slots		25.26	25.36	25.31	26.50	21.00	21.10	21.05	22.24
GPRS 4 Tx slots		23.48	23.57	23.45	24.50	20.48	20.57	20.45	21.50
EDGE(GMSK 1 Tx slot)		29.19	29.26	29.14	30.00	20.19	20.26	20.14	21.00
EDGE(GMSK 2 Tx slot)		27.07	27.13	27.12	28.00	21.07	21.13	21.12	22.00
EDGE(GMSK 3 Tx slot)		25.30	25.41	25.39	26.50	21.04	21.15	21.13	22.24
EDGE(GMSK 4 Tx slot)		23.48	23.61	23.57	24.50	20.48	20.61	20.57	21.50
EDGE(8PSK 1 Tx slot)		28.24	28.29	28.18	28.00	17.24	17.29	17.18	19.00
EDGE(8PSK 2 Tx slot)		23.48	23.62	23.53	24.50	17.48	17.62	17.53	18.50
EDGE(8PSK 3 Tx slot)		21.69	21.77	21.71	22.50	17.43	17.51	17.45	18.24
EDGE(8PSK 4 Tx slot)		21.05	20.96	21.02	22.50	18.05	17.96	18.02	19.50

Band		WCDMA II_Ant 4			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938	24.00	9662	9800	9938	21.50
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.66	23.59	23.78	24.00	20.66	20.70	20.91	21.50
3GPP Rel 99	RMC 12.2Kbps	23.68	23.63	23.82	24.00	20.70	20.73	20.94	21.50
3GPP Rel 6	HSDPA Subtest-1	22.66	22.55	22.98	24.00	20.27	20.19	20.32	21.50
3GPP Rel 6	HSDPA Subtest-2	22.67	22.61	23.08	24.00	20.20	20.17	20.34	21.50
3GPP Rel 6	HSDPA Subtest-3	22.20	22.15	22.56	23.50	19.84	19.81	19.98	21.00
3GPP Rel 6	HSDPA Subtest-4	22.19	22.10	22.54	23.50	19.75	19.72	19.82	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.46	22.89	24.00	20.22	20.16	20.33	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.62	22.55	23.02	24.00	20.07	20.14	20.35	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.14	22.09	22.48	23.50	19.65	19.68	19.77	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.09	22.03	22.47	23.50	19.65	19.57	19.83	21.00
3GPP Rel 6	HSUPA Subtest-1	20.66	20.52	20.94	22.00	18.27	18.24	18.33	19.50
3GPP Rel 6	HSUPA Subtest-2	20.68	20.53	20.97	22.00	18.18	18.31	18.39	19.50
3GPP Rel 6	HSUPA Subtest-3	21.72	21.56	22.00	23.00	19.21	19.17	19.34	20.50
3GPP Rel 6	HSUPA Subtest-4	20.26	20.11	20.51	21.50	17.83	17.72	17.92	19.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.50	21.90	23.00	19.28	19.19	19.27	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.62	21.45	21.80	22.50	19.11	19.17	19.24	20.00

Band		WCDMA IV_Ant 4			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738	25.00	1537	1638	1738	21.25
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.58	24.45	24.81	25.00	20.81	20.52	20.91	21.25
3GPP Rel 99	RMC 12.2Kbps	24.62	24.52	24.88	25.00	20.83	20.54	20.96	21.25
3GPP Rel 6	HSDPA Subtest-1	23.65	23.65	24.02	24.50	20.50	20.24	20.68	21.25
3GPP Rel 6	HSDPA Subtest-2	23.66	23.62	23.99	24.00	20.47	20.13	20.62	21.25
3GPP Rel 6	HSDPA Subtest-3	23.20	23.12	23.51	24.00	20.09	19.71	20.10	20.75
3GPP Rel 6	HSDPA Subtest-4	23.17	23.12	23.50	23.50	20.10	19.77	20.15	20.75
3GPP Rel 8	DC-HSDPA Subtest-1	23.56	23.55	23.96	24.50	20.43	20.11	20.55	21.25
3GPP Rel 8	DC-HSDPA Subtest-2	23.59	23.57	23.94	24.00	20.47	20.14	20.50	21.25
3GPP Rel 8	DC-HSDPA Subtest-3	23.10	23.05	23.45	24.00	19.98	19.69	20.01	20.75
3GPP Rel 8	DC-HSDPA Subtest-4	23.09	23.05	23.41	23.50	19.95	19.66	19.96	20.75
3GPP Rel 6	HSUPA Subtest-1	21.61	21.62	21.99	22.50	18.58	18.27	18.75	19.25
3GPP Rel 6	HSUPA Subtest-2	21.60	21.59	22.00	22.00	18.59	18.22	18.71	19.25
3GPP Rel 6	HSUPA Subtest-3	22.67	22.64	23.02	23.50	19.52	19.30	19.63	20.25
3GPP Rel 6	HSUPA Subtest-4	21.15	21.12	21.54	22.00	18.07	17.79	18.15	19.25
3GPP Rel 6	HSUPA Subtest-5	22.60	22.60	23.00	23.50	19.53	19.25	19.67	20.75
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.52	22.53	22.70	23.00	19.42	19.10	19.59	20.25

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	25.50	4357	4407	4458	25.00
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	25.16	25.18	25.01	25.50	24.52	24.58	24.47	25.00
3GPP Rel 99	RMC 12.2Kbps	25.18	25.20	25.11	25.50	24.54	24.60	24.50	25.00
3GPP Rel 6	HSDPA Subtest-1	24.04	24.08	24.06	25.00	23.94	24.01	23.97	25.00
3GPP Rel 6	HSDPA Subtest-2	24.06	24.08	24.05	25.00	23.97	24.01	23.98	25.00
3GPP Rel 6	HSDPA Subtest-3	23.63	23.61	23.61	24.50	23.53	23.55	23.52	24.50
3GPP Rel 6	HSDPA Subtest-4	23.58	23.61	23.54	24.50	23.46	23.50	23.48	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.97	24.02	23.97	25.00	23.87	23.91	23.89	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	24.01	24.00	23.95	25.00	23.90	23.92	23.89	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	23.54	23.55	23.51	24.50	23.45	23.50	23.42	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	23.51	23.53	23.49	24.50	23.41	23.45	23.42	24.50
3GPP Rel 6	HSUPA Subtest-1	22.02	22.08	22.02	23.00	21.96	22.00	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	22.02	22.09	21.99	23.00	21.96	22.02	21.92	23.00
3GPP Rel 6	HSUPA Subtest-3	23.07	23.08	23.03	24.00	23.00	23.04	22.93	24.00
3GPP Rel 6	HSUPA Subtest-4	21.59	21.66	21.54	22.50	21.44	21.55	21.46	22.50
3GPP Rel 6	HSUPA Subtest-5	23.00	23.10	23.00	24.00	23.00	23.00	22.90	24.00
3GPP Rel 7	HSPA+ (tQAM) Subtest-1	22.93	23.04	22.90	23.50	22.94	22.92	22.83	23.50



Band 2_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.34	21.42	21.41			22	0		
20	QPSK	1	49	21.27	21.27	21.31						
20	QPSK	1	99	21.31	21.28	21.28						
20	QPSK	50	0	21.27	21.31	21.31						
20	QPSK	50	24	21.30	21.31	21.32			22	0		
20	QPSK	50	50	21.24	21.36	21.28						
20	QPSK	100	0	21.21	21.37	21.31						
20	16QAM	1	0	21.28	21.36	21.28						
20	16QAM	1	49	21.23	21.38	21.34			22	0		
20	16QAM	1	99	21.22	21.27	21.32						
20	16QAM	50	0	20.71	20.68	20.73						
20	16QAM	50	24	20.68	20.64	20.77						
20	16QAM	50	50	20.66	20.59	20.77			21.5	0.5		
20	16QAM	100	0	20.66	20.59	20.71						
20	16QAM	100	0	20.73	20.67	20.78						
20	64QAM	1	49	20.69	20.83	20.91			21.5	0.5		
20	64QAM	1	99	20.73	20.85	20.91						
20	64QAM	50	0	19.69	19.68	19.70						
20	64QAM	50	24	19.67	19.66	19.74						
20	64QAM	50	50	19.65	19.58	19.78			20.5	1.5		
20	64QAM	100	0	19.65	19.61	19.74						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.30	21.29	21.37					22	0
15	QPSK	1	37	21.17	21.19	21.24						
15	QPSK	1	74	21.19	21.19	21.20						
15	QPSK	36	0	21.22	21.29	21.17						
15	QPSK	36	20	21.18	21.20	21.18			22	0		
15	QPSK	36	39	21.16	21.32	21.14						
15	QPSK	75	0	21.18	21.31	21.25						
15	16QAM	1	0	21.24	21.22	21.28						
15	16QAM	1	37	21.22	21.28	21.19			22	0		
15	16QAM	1	74	21.17	21.21	21.17						
15	16QAM	36	0	20.62	20.58	20.66						
15	16QAM	36	20	20.59	20.57	20.67				21.5	0.5	
15	16QAM	75	0	20.57	20.52	20.64						
15	64QAM	1	0	20.66	20.82	20.69						
15	64QAM	1	37	20.59	20.77	20.83			21.5	0.5		
15	64QAM	1	74	20.67	20.79	20.84						
15	64QAM	36	0	19.64	19.65	19.63						
15	64QAM	36	20	19.59	19.53	19.69						
15	64QAM	36	39	19.58	19.48	19.66			20.5	1.5		
15	64QAM	75	0	19.58	19.51	19.65						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.21	21.26	21.30					22	0
10	QPSK	1	25	21.12	21.24	21.30						
10	QPSK	1	49	21.21	21.13	21.22						
10	QPSK	25	0	21.14	21.28	21.25						
10	QPSK	25	12	21.09	21.24	21.07			22	0		
10	QPSK	25	25	21.14	21.21	21.20						
10	QPSK	50	0	21.14	21.25	21.26						
10	16QAM	1	0	21.24	21.22	21.22				22	0	
10	16QAM	1	25	21.13	21.29	21.20						
10	16QAM	1	49	21.20	21.15	21.25						
10	16QAM	25	0	20.61	20.63	20.67				21.5	0.5	
10	16QAM	25	12	20.63	20.59	20.68						
10	16QAM	25	25	20.58	20.54	20.72						
10	16QAM	50	0	20.58	20.52	20.66						
10	64QAM	1	0	20.67	20.77	20.72			21.5	0.5		
10	64QAM	1	25	20.64	20.72	20.78						
10	64QAM	1	49	20.68	20.79	20.82						
10	64QAM	25	0	19.60	19.62	19.61						
10	64QAM	25	12	19.59	19.51	19.68			20.5	1.5		
10	64QAM	25	25	19.58	19.52	19.70						
10	64QAM	50	0	19.58	19.50	19.65						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.30	21.40	21.39			22	0		
5	QPSK	1	12	21.24	21.17	21.28						
5	QPSK	1	24	21.24	21.19	21.17						
5	QPSK	12	0	21.26	21.24	21.30						
5	QPSK	12	7	21.06	21.28	21.11			22	0		
5	QPSK	12	13	21.18	21.31	21.21						
5	QPSK	25	0	21.07	21.25	21.21						
5	16QAM	1	0	21.14	21.34	21.14				22	0	
5	16QAM	1	12	21.20	21.26	21.24						
5	16QAM	1	24	21.21	21.24	21.29						
5	16QAM	12	0	20.62	20.62	20.67				21.5	0.5	
5	16QAM	12	7	20.59	20.58	20.68						
5	16QAM	12	13	20.57	20.51	20.71						
5	16QAM	25	0	20.60	20.51	20.62						
5	64QAM	1	0	20.66	20.77	20.69			21.5	0.5		
5	64QAM	1	12	20.60	20.76	20.82						
5	64QAM	1	24	20.64	20.69	20.84						
5	64QAM	12	0	19.62	19.63	19.63						
5	64QAM	12	7	19.59	19.63	19.69			20.5	1.5		
5	64QAM	12	13	19.59	19.62	19.70						
5	64QAM	25	0	19.55	19.51	19.69						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.23	21.36	21.37			22	0		
3	QPSK	1	8	21.19	21.26	21.26						
3	QPSK	1	14	21.24	21.17	21.18						
3	QPSK	8	0	21.16	21.37	21.23						
3	QPSK	8	4	21.08	21.29	21.17			22	0		
3	QPSK	8	7	21.13	21.25	21.27						
3	QPSK	15	0	21.06	21.23	21.21						
3	16QAM	1	0	21.16	21.31	21.22				22	0	
3	16QAM	1	8	21.15	21.37	21.27						
3	16QAM	1	14	21.16	21.26	21.19						
3	16QAM	8	0	20.66	20.62	20.66				21.5	0.5	
3	16QAM	8	4	20.63	20.58	20.67						
3	16QAM	8	7	20.60	20.53	20.71						
3	16QAM	15	0	20.57	20.49	20.62						
3	64QAM	1	0	20.66	20.79	20.71			21.5	0.5		
3	64QAM	1	8	20.61	20.77	20.85						
3	64QAM	1	14	20.63	20.68	20.84						
3	64QAM	8	0	19.60	19.61	19.62						
3	64QAM	8	4	19.58	19.52	19.68			20.5	1.5		
3	64QAM	8	7	19.59	19.49	19.67						
3	64QAM	15	0	19.60	19.53	19.67						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.13	21.39	21.27			22	0		
1.4	QPSK	1	3	21.19	21.12	21.19						
1.4	QPSK	1	5	21.16	21.14	21.22						
1.4	QPSK	3	0	21.13	21.32	21.29				22	0	
1.4	QPSK	3	0	21.11	21.36	21.11						
1.4	QPSK	3	14	21.14	21.33	21.18						
1.4	QPSK	6	0	21.15	21.26	21.19				22	0	
1.4	16QAM	1	0	21.23	21.35	21.13						
1.4	16QAM	1	3	21.21	21.25	21.20			22	0		
1.4	16QAM	1	10	21.10	21.22	21.31						
1.4	16QAM	3	0	21.20	21.31	21.32						
1.4	16QAM	3	1	21.28	21.35	21.26				21.5	0.5	
1.4	16QAM	3	3	21.29	21.34	21.34						
1.4	16QAM	6	0	20.67	20.63	20.65						
1.4	64QAM	1	0	20.66	20.78	20.69				21.5	0.5	
1.4	64QAM	1	5	20.67	20.77	20.85						
1.4	64QAM	3	0	20.66	20.60	20.67						
1.4	64QAM	3	1	20.61	20.59	20.71						
1.4	64QAM	3	2	20.56	20.50	20.78			20.5	1.5		
1.4	64QAM	6	0	19.58	19.52	19.65						
1.4	64QAM	6	0	19.58	19.52	19.65						
1.4	64QAM	6	0	19.58	19.52	19.65						
1.4	64QAM	6	0	19.58	19.52	19.65						

Band 4_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.00	17.22	17.65			
20	QPSK	1	49	21.03	21.15	21.05	21.75	0	
20	QPSK	1	99	20.98	21.11	21.09			
20	QPSK	50	0	21.04	21.14	21.13			
20	QPSK	50	24	20.90	21.09	21.07	21.75	0	
20	QPSK	50	50	21.03	21.05	21.03			
20	QPSK	100	0	20.92	21.11	21.07			
20	16QAM	1	0	20.93	21.10	21.00			
20	16QAM	1	49	20.95	21.06	20.99	21.75	0	
20	16QAM	1	99	21.00	21.07	21.11			
20	16QAM	50	0	20.98	21.03	21.08			
20	16QAM	50	24	20.90	21.13	21.00			
20	16QAM	50	50	20.97	21.03	21.01	21.75	0	
20	16QAM	100	0	21.06	21.14	21.07			
20	64QAM	1	0	20.95	21.05	21.08			
20	64QAM	1	49	20.95	21.07	21.03	21.75	0	
20	64QAM	1	99	20.94	21.08	21.08			
20	64QAM	50	0	20.95	20.98	20.98			
20	64QAM	50	24	20.94	20.97	20.95			
20	64QAM	50	50	20.90	20.98	20.90	21	0.75	
20	64QAM	100	0	19.99	20.93	20.17			
Channel									
Frequency (MHz)									
19	QPSK	1	0	17.02	17.22	17.65			
19	QPSK	1	37	21.01	21.10	20.91	21.75	0	
19	QPSK	1	74	20.97	21.07	20.94			
19	QPSK	36	0	20.97	21.05	21.08			
19	QPSK	36	20	20.77	21.01	20.92	21.75	0	
19	QPSK	36	39	20.99	21.02	20.92			
19	16QAM	1	0	20.87	20.98	20.96			
19	16QAM	1	37	20.85	20.97	20.87	21.75	0	
19	16QAM	1	74	20.97	21.03	21.03			
19	16QAM	36	0	20.87	20.99	20.94			
19	16QAM	36	20	20.85	21.06	20.87	21.75	0	
19	16QAM	36	39	20.90	20.96	20.90			
19	16QAM	75	0	20.94	21.01	20.94			
19	64QAM	1	0	20.88	21.04	21.01			
19	64QAM	1	37	20.83	21.01	20.98	21.75	0	
19	64QAM	1	74	20.85	21.01	21.01			
19	64QAM	36	0	20.88	20.98	20.98			
19	64QAM	36	20	19.98	20.90	20.29	21	0.75	
19	64QAM	36	39	19.85	20.11	20.33			
19	64QAM	75	0	19.89	20.10	20.27			
Channel									
Frequency (MHz)									
19	QPSK	1	0	21.00	21.13	21.01			
19	QPSK	1	25	20.95	21.05	20.92	21.75	0	
19	QPSK	1	49	20.90	21.03	21.05			
19	QPSK	25	0	20.96	21.05	21.06			
19	QPSK	25	12	20.85	20.94	20.96	21.75	0	
19	QPSK	25	25	20.87	20.90	21.00			
19	QPSK	50	0	20.77	20.99	20.92			
19	16QAM	1	0	20.87	21.06	20.87			
19	16QAM	1	25	20.90	20.98	20.88	21.75	0	
19	16QAM	1	49	20.92	21.08	20.98			
19	16QAM	25	0	20.90	20.98	20.98			
19	16QAM	25	12	20.86	21.02	20.91	21.75	0	
19	16QAM	25	25	20.88	20.92	20.98			
19	16QAM	50	0	20.97	21.03	21.02			
19	64QAM	1	0	20.86	20.97	20.99			
19	64QAM	1	25	20.90	21.02	21.02	21.75	0	
19	64QAM	1	49	20.90	20.93	20.93			
19	64QAM	25	0	19.97	20.10	20.30			
19	64QAM	25	12	19.94	20.09	20.28			
19	64QAM	25	25	19.89	20.11	20.32	21	0.75	
19	64QAM	50	0	19.90	20.10	20.32			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.93	21.02	21.04			
5	QPSK	1	12	20.90	21.11	20.91	21.75	0	
5	QPSK	1	24	20.93	20.98	21.01			
5	QPSK	12	0	20.90	21.07	20.98			
5	QPSK	12	7	20.97	21.07	20.98	21.75	0	
5	QPSK	12	13	20.90	20.96	21.01			
5	QPSK	25	0	20.91	21.08	21.05			
5	16QAM	1	0	20.92	20.95	20.98			
5	16QAM	1	12	20.90	21.04	20.97	21.75	0	
5	16QAM	1	24	20.98	20.98	21.02			
5	16QAM	12	0	20.85	20.97	20.99			
5	16QAM	12	7	20.78	21.08	20.86	21.75	0	
5	16QAM	12	13	20.83	20.90	20.93			
5	16QAM	25	0	20.90	21.06	21.06			
5	64QAM	1	0	20.83	21.02	21.02			
5	64QAM	1	12	20.90	20.96	20.94	21.75	0	
5	64QAM	1	24	20.97	21.04	20.95			
5	64QAM	12	0	19.97	20.11	20.21			
5	64QAM	12	7	19.98	20.10	20.30	21	0.75	
5	64QAM	12	13	19.88	20.10	20.29			
5	64QAM	25	0	19.89	20.11	20.23			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.00	21.16	21.11			
3	QPSK	1	8	21.05	21.14	20.92	21.75	0	
3	QPSK	1	14	20.95	20.99	21.03			
3	QPSK	8	0	20.96	21.06	21.09			
3	QPSK	8	4	20.85	20.95	20.93	21.75	0	
3	QPSK	8	7	20.90	20.91	20.93			
3	QPSK	15	0	20.87	21.01	21.05			
3	16QAM	1	0	20.80	21.00	20.94			
3	16QAM	1	8	20.95	20.93	20.97	21.75	0	
3	16QAM	1	14	20.99	21.06	20.98			
3	16QAM	8	0	20.84	20.98	20.97			
3	16QAM	8	4	20.83	20.99	20.96	21.75	0	
3	16QAM	8	7	20.83	20.88	20.95			
3	16QAM	15	0	20.98	21.12	20.95			
3	64QAM	1	0	20.86	20.99	20.99			
3	64QAM	1	8	20.94	21.05	20.99	21.75	0	
3	64QAM	1	14	20.91	21.07	20.94			
3	64QAM	8	0	19.87	20.06	20.17			
3	64QAM	8	4	19.95	20.09	20.27	21	0.75	
3	64QAM	8	7	19.86	20.13	20.30			
3	64QAM	15	0	19.88	20.09	20.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.96	21.04	20.99			
1.4	QPSK	1	3	20.92	21.11	21.03	21.75	0	
1.4	QPSK	1	5	20.96	21.02	21.04			
1.4	QPSK	3	0	20.91	21.09	20.98			
1.4	QPSK	3	1	20.94	20.98	20.93			
1.4	QPSK	3	3	20.96	21.02	20.98			
1.4	QPSK	6	0	20.81	21.08	20.98	21.75	0	
1.4	16QAM	1	0	20.85	21.09	20.97			
1.4	16QAM	1	3	20.86	20.91	20.97			
1.4	16QAM	1	5	20.95	21.04	20.99	21.75	0	
1.4	16QAM	3	0	20.87	21.09	20.96			
1.4	16QAM	3	1	20.88	20.99	20.93			
1.4	16QAM	3	3	20.85	20.94	20.91			
1.4	16QAM	6	0	20.95	21.10	20.99	21.75	0	
1.4	64QAM	1	0	20.83	20.93	20.93			
1.4	64QAM	1	3	20.89	20.96	20.89			
1.4	64QAM	1	5	20.80	21.07	21.05	21.75	0	
1.4	64QAM	3	0	20.95	21.06	21.10			
1.4	64QAM	3	1	20.88	21.10	20.91			
1.4	64QAM	3	3	20.97	21.02	21.00			
1.4	64QAM	6	0	19.83	20.10	20.26	21	0.75	

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Main Ch (dBm)	Power High Ch (dBm)	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20500	20550			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.91	23.97	23.98			
5	QPSK	1	25	23.89	23.91	23.84	25	0	
5	QPSK	1	49	23.90	23.80	23.80			
5	QPSK	25	0	22.93	22.95	22.93			
5	QPSK	25	12	22.89	22.87	22.87			
5	QPSK	25	25	22.90	22.89	22.84	24	1	
5	QPSK	50	0	22.86	22.88	22.86			
5	16QAM	1	0	23.08	23.08	23.20			
5	16QAM	1	25	23.10	23.23	22.85	24	1	
5	16QAM	1	49	23.16	23.06	23.11			
5	16QAM	25	0	21.89	21.90	21.88			
5	16QAM	25	12	21.86	21.85	21.83			
5	16QAM	25	25	21.93	21.88	21.83			
5	16QAM	50	0	21.86	21.84	21.88			
5	16QAM	50	0	22.03	21.90	22.14			
5	64QAM	1	25	22.96	22.91	22.91			
5	64QAM	1	49	22.03	21.90	21.96			
5	64QAM	25	0	20.89	20.88	20.84			
5	64QAM	25	12	20.83	20.87	20.81			
5	64QAM	25	25	20.86	20.87	20.81	22	3	
5	64QAM	50	0	20.85	20.85	20.86			
Channel									
Frequency (MHz)				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.91	23.97	23.98			
5	QPSK	1	25	23.89	23.91	23.84	25	0	
5	QPSK	1	49	23.90	23.80	23.80			
5	QPSK	1	24	23.85	23.72	23.73			
5	QPSK	12	0	22.84	22.88	22.80			
5	QPSK	12	7	22.80	22.81	22.80			
5	QPSK	12	13	22.81	22.80	22.74			
5	QPSK	12	25	22.80	22.82	22.76	24	1	
5	16QAM	1	0	22.99	22.99	23.10			
5	16QAM	1	12	23.05	23.13	22.88			
5	16QAM	1	24	23.09	23.01	23.02			
5	16QAM	1	25	23.83	23.69	23.74			
5	16QAM	12	0	21.78	21.78	21.77			
5	16QAM	12	13	21.87	21.82	21.73			
5	16QAM	12	25	21.78	21.75	21.78			
5	16QAM	1	0	21.93	21.84	22.07			
5	16QAM	1	12	21.87	21.80	21.81			
5	16QAM	1	24	21.98	21.84	21.91			
5	64QAM	12	0	20.79	20.80	20.75			
5	64QAM	12	7	20.77	20.35	20.75			
5	64QAM	12	13	20.80	20.77	20.79	22	3	
5	64QAM	25	0	20.79	20.77	20.79			
Channel									
Frequency (MHz)				20415	20525	20635	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	835.5	847.5			
3	QPSK	1	0	23.81	23.89	23.83			
3	QPSK	1	8	23.84	23.84	23.75	25	0	
3	QPSK	1	14	23.81	23.71	23.72			
3	QPSK	8	0	22.82	22.85	22.78			
3	QPSK	8	4	22.84	22.77	22.81			
3	QPSK	8	7	22.83	22.83	22.77	24	1	
3	QPSK	15	0	22.02	22.80	22.81			
3	16QAM	1	0	22.99	23.09	23.12			
3	16QAM	1	8	23.04	23.18	22.89	24	1	
3	16QAM	1	14	23.08	23.03	23.04			
3	16QAM	8	0	21.80	21.84	21.82			
3	16QAM	8	4	21.81	21.80	21.74	23	2	
3	16QAM	8	7	21.86	21.81	21.78			
3	16QAM	15	0	21.81	21.76	21.76			
3	64QAM	1	0	21.93	21.82	22.08			
3	64QAM	1	8	21.86	21.96	21.94	23	2	
3	64QAM	1	14	21.95	21.81	21.80			
3	64QAM	8	0	20.82	20.78	20.78			
3	64QAM	8	4	20.78	20.77	20.74	22	3	
3	64QAM	8	7	20.81	20.85	20.76			
3	64QAM	15	0	20.77	20.77	20.78			
Channel									
Frequency (MHz)				20407	20525	20643	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	835.5	847.3			
1.4	QPSK	1	0	23.82	23.91	23.79	25	0	
1.4	QPSK	1	3	23.83	23.88	23.74			
1.4	QPSK	3	0	23.85	23.88	23.78			
1.4	QPSK	3	3	23.80	23.82	23.77			
1.4	QPSK	3	3	23.83	23.74	23.74			
1.4	QPSK	6	0	22.82	22.82	22.77	24	1	
1.4	16QAM	1	0	23.02	23.02	23.11			
1.4	16QAM	1	3	23.02	23.15	22.88			
1.4	16QAM	3	0	22.08	22.09	22.08			
1.4	16QAM	3	3	22.85	22.88	22.81	24	1	
1.4	16QAM	3	1	22.82	22.79	22.80			
1.4	16QAM	3	3	22.82	22.80	22.74			
1.4	16QAM	6	0	21.81	21.76	21.78	23	2	
1.4	16QAM	6	3	21.95	21.87	22.08			
1.4	64QAM	1	3	21.86	21.98	21.94			
1.4	64QAM	1	5	21.88	21.80	21.80	23	2	
1.4	64QAM	3	0	21.81	21.83	21.83			
1.4	64QAM	3	1	21.79	21.79	21.77			
1.4	64QAM	3	3	21.86	21.82	21.77			
1.4	64QAM	6	0	20.79	20.77	20.80	22	3	

Band 7_Ant 4														
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch. / Freq.	Power/High Ch. / Freq.	Power/High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.61	23.68	23.20	24.5	0						
20	QPSK	1	49	23.60	23.50	22.96								
20	QPSK	1	99	23.60	23.25	23.08								
20	QPSK	36	0	22.72	22.77	22.09	23.5	1						
20	QPSK	50	50	22.72	22.48	22.48								
20	QPSK	50	50	22.62	22.34	22.01								
20	QPSK	100	0	22.62	22.83	22.05	23.5	1						
20	16QAM	1	0	22.54	22.49	22.21								
20	16QAM	1	49	22.45	22.46	22.61								
20	16QAM	1	99	22.41	22.21	21.95	22.5	2						
20	16QAM	50	0	21.54	21.57	20.97								
20	16QAM	50	24	21.68	21.46	20.96								
20	16QAM	50	50	21.70	21.34	20.95	21.5	3						
20	16QAM	100	0	21.63	21.43	20.98								
20	16QAM	50	50	20.79	20.58	19.80								
20	16QAM	50	24	20.87	20.42	19.97								
20	16QAM	50	50	20.74	20.31	19.95								
20	16QAM	100	0	20.67	20.42	19.86								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.57	23.66	23.18	24.5	0						
15	QPSK	1	37	23.52	23.45	22.85								
15	QPSK	1	74	23.58	23.22	22.92								
15	QPSK	36	0	22.63	22.72	21.99	23.5	1						
15	QPSK	36	20	22.60	22.39	21.95								
15	QPSK	36	39	22.62	22.20	21.88								
15	QPSK	75	0	22.54	22.59	21.93	23.5	1						
15	16QAM	1	0	22.45	22.43	21.91								
15	16QAM	1	37	22.31	22.39	21.89								
15	16QAM	1	74	22.26	22.13	21.80	22.5	2						
15	16QAM	36	0	21.49	21.47	20.85								
15	16QAM	36	20	21.65	21.33	20.90								
15	16QAM	36	39	21.68	21.19	20.87	21.5	3						
15	16QAM	75	0	21.55	21.30	20.90								
15	16QAM	1	0	21.50	21.42	20.92								
15	16QAM	1	37	21.89	21.59	20.92	22.5	2						
15	16QAM	1	74	21.83	21.16	20.82								
15	16QAM	36	0	20.57	20.55	19.92								
15	16QAM	36	20	20.59	20.31	19.92	21.5	3						
15	16QAM	36	39	20.62	20.17	19.93								
15	16QAM	75	0	20.65	20.33	19.93								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.54	23.55	23.26	24.5	0						
10	QPSK	1	25	23.58	23.37	22.87								
10	QPSK	1	49	23.54	23.13	23.04								
10	QPSK	25	0	22.63	22.71	22.05	23.5	1						
10	QPSK	25	12	22.71	22.47	21.82								
10	QPSK	25	25	22.68	22.29	21.96								
10	QPSK	50	0	22.45	22.50	21.99	23.5	1						
10	16QAM	1	0	22.52	22.46	21.86								
10	16QAM	1	25	22.27	22.38	21.95								
10	16QAM	1	49	22.28	22.19	21.89	22.5	2						
10	16QAM	25	0	21.53	21.56	20.98								
10	16QAM	25	12	21.62	21.45	20.90								
10	16QAM	25	25	21.58	21.25	20.90	22.5	2						
10	16QAM	50	0	21.55	21.38	20.82								
10	16QAM	1	0	21.45	21.43	20.81								
10	16QAM	1	25	21.48	21.37	20.96	22.5	2						
10	16QAM	1	49	21.73	21.25	20.88								
10	16QAM	25	0	20.40	20.52	19.93								
10	16QAM	25	12	20.52	20.42	19.85	21.5	3						
10	16QAM	25	25	20.64	20.25	19.89								
10	16QAM	50	0	20.61	20.31	19.90								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.57	23.57	23.27	24.5	0						
5	QPSK	1	12	23.54	23.40	22.85								
5	QPSK	1	24	23.52	23.12	22.88								
5	QPSK	12	0	22.62	22.86	22.03	23.5	1						
5	QPSK	12	7	22.58	22.36	21.89								
5	QPSK	12	13	22.60	22.24	21.89								
5	QPSK	25	0	22.56	22.58	21.99	23.5	1						
5	16QAM	1	0	22.46	22.42	21.89								
5	16QAM	1	12	22.29	22.46	21.96								
5	16QAM	1	24	22.38	22.19	21.91	22.5	2						
5	16QAM	12	0	21.48	21.54	20.85								
5	16QAM	12	7	21.64	21.43	20.89								
5	16QAM	12	13	21.62	21.32	20.93	22.5	2						
5	16QAM	25	0	21.48	21.29	20.96								
5	16QAM	1	0	21.48	21.49	20.86								
5	16QAM	1	12	21.71	21.83	20.95	22.5	2						
5	16QAM	1	24	21.86	21.14	20.88								
5	16QAM	12	0	20.50	20.42	19.84								
5	16QAM	12	7	20.67	20.36	19.91	21.5	3						
5	16QAM	12	13	20.69	20.17	19.90								
5	16QAM	25	0	20.61	20.40	19.86								

Band 7_Ant 5													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Freq.]	Power Main Ch [Freq.]	Power High Ch [Freq.]	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	19.41	19.55	19.42	20.25	0					
20	QPSK	1	49	19.38	19.41	19.39							
20	QPSK	1	99	19.26	19.42	19.28							
20	QPSK	50	0	19.32	19.37	19.31	20.25	0					
20	QPSK	50	24	19.31	19.43	19.31							
20	QPSK	50	50	19.27	19.42	19.29							
20	QPSK	100	0	19.36	19.49	19.35	20.25	0					
20	16QAM	1	0	19.33	19.42	19.29							
20	16QAM	1	49	19.34	19.53	19.34							
20	16QAM	1	99	19.36	19.34	19.29	20.25	0					
20	16QAM	50	0	19.37	19.48	19.37							
20	16QAM	50	24	19.33	19.48	19.29							
20	16QAM	50	50	19.39	19.50	19.38	20.25	0					
20	16QAM	100	0	19.38	19.46	19.30							
20	16QAM	1	0	19.31	19.47	19.29							
20	16QAM	1	49	19.32	19.49	19.38	20.25	0					
20	16QAM	1	99	19.39	19.51	19.36							
20	16QAM	50	0	18.95	19.07	18.92							
20	16QAM	50	24	19.01	19.07	19.01	20	0.25					
20	16QAM	50	50	19.10	19.05	18.97							
20	16QAM	100	0	19.02	19.03	18.96							
Channel													
Frequency (MHz)													
15	QPSK	1	0	19.39	19.47	19.27	20.25	0					
15	QPSK	1	37	19.36	19.35	19.33							
15	QPSK	1	74	19.23	19.33	19.19	20.25	0					
15	QPSK	36	0	19.33	19.38	19.29							
15	QPSK	36	20	19.22	19.41	19.19							
15	QPSK	36	39	19.15	19.41	19.17	20.25	0					
15	QPSK	36	58	19.08	19.24	19.02							
15	16QAM	1	0	19.28	19.40	19.27							
15	16QAM	1	37	19.29	19.41	19.20	20.25	0					
15	16QAM	1	74	19.21	19.45	19.28							
15	16QAM	36	0	19.36	19.41	19.27							
15	16QAM	36	20	19.23	19.40	19.25	20.25	0					
15	16QAM	36	39	19.33	19.42	19.23							
15	16QAM	75	0	19.20	19.40	19.39							
15	16QAM	1	0	19.22	19.40	19.27	20.25	0					
15	16QAM	1	37	19.19	19.48	19.29							
15	16QAM	1	74	19.37	19.43	19.32							
15	16QAM	36	0	18.87	18.97	18.83	20	0.25					
15	16QAM	36	20	18.92	18.96	18.93							
15	16QAM	75	0	18.92	18.96	18.93							
Channel													
Frequency (MHz)													
10	QPSK	1	0	19.35	19.49	19.32	20.25	0					
10	QPSK	1	25	19.26	19.35	19.30							
10	QPSK	1	50	19.17	19.32	19.21	20.25	0					
10	QPSK	1	75	19.08	19.24	19.14							
10	QPSK	25	12	19.16	19.41	19.30							
10	QPSK	25	25	19.25	19.28	19.17	20.25	0					
10	QPSK	50	0	19.22	19.41	19.25							
10	QPSK	1	50	19.31	19.39	19.32							
10	16QAM	1	25	19.31	19.52	19.33	20.25	0					
10	16QAM	1	49	19.34	19.39	19.28							
10	16QAM	25	0	19.35	19.41	19.35							
10	16QAM	25	12	19.18	19.43	19.17	20.25	0					
10	16QAM	25	25	19.26	19.35	19.21							
10	16QAM	50	0	19.27	19.33	19.38							
10	16QAM	1	0	19.21	19.42	19.26	20.25	0					
10	16QAM	1	25	19.31	19.46	19.37							
10	16QAM	1	49	19.36	19.50	19.27							
10	16QAM	25	0	19.87	19.92	19.82	20	0.25					
10	16QAM	25	12	19.92	19.92	19.86							
10	16QAM	25	25	19.90	19.97	19.88							
10	16QAM	50	0	18.96	18.95	18.88	20	0.25					
Channel													
Frequency (MHz)													
5	QPSK	1	0	19.71	21.00	21.60	20.25	0					
5	QPSK	1	24	19.54	20.54	20.26							
5	QPSK	1	12	19.31	19.27	19.31	20.25	0					
5	QPSK	1	24	19.23	19.34	19.18							
5	QPSK	12	0	19.25	19.50	19.27							
5	QPSK	12	0	19.26	19.50	19.27	20.25	0					
5	QPSK	12	13	19.25	19.41	19.27							
5	QPSK	25	0	19.30	19.46	19.33							
5	16QAM	1	0	19.22	19.34	19.18	20.25	0					
5	16QAM	1	12	19.27	19.46	19.33							
5	16QAM	1	24	19.30	19.41	19.26							
5	16QAM	12	0	19.23	19.38	19.34	20.25	0					
5	16QAM	12	7	19.32	19.31	19.17							
5	16QAM	12	13	19.27	19.49	19.23							
5	16QAM	25	0	19.24	19.39	19.29	20	0.25					
5	16QAM	25	13	19.30	19.43	19.17							
5	16QAM	1	12	19.27	19.34	19.25							
5	16QAM	1	24	19.38	19.42	19.31	20	0.25					
5	16QAM	12	0	18.88	18.98	18.84							
5	16QAM	12	13	18.96	19.01	18.84							
5	16QAM	12	13	19.04	19.05	18.88	20	0.25					
5	16QAM	25	0	18.94	18.98	18.91							



Band 13_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch / Freq	Power/Main Ch / Freq	Power/High Ch / Freq	Turn-up last (dBm)	MPR (dB)			
Channel							23230				
Frequency (MHz)							782				
10	QPSK	1	0		23.99		25	0			
10	QPSK	1	25		23.88						
10	QPSK	1	49		23.98						
10	QPSK	25	0		23.10						
10	QPSK	25	12		23.02		24	1			
10	QPSK	25	25		23.07						
10	QPSK	50	0		23.08						
10	16QAM	1	0		23.91						
10	16QAM	1	25		23.95		24	1			
10	16QAM	1	49		23.97						
10	16QAM	25	0		22.16						
10	16QAM	25	12		22.15						
10	16QAM	25	25		22.13		23	2			
10	16QAM	50	0		22.16						
10	16QAM	1	0		22.42						
10	64QAM	1	25		22.32						
10	64QAM	1	49		22.32		23	2			
10	64QAM	25	0		21.15						
10	64QAM	25	12		21.16						
10	64QAM	25	25		21.14						
10	64QAM	50	0		21.15		Turn-up last (dBm)	MPR (dB)			
Channel									23205 23230 23255		
Frequency (MHz)							779.5 782 784.5				
5	QPSK	1	0		23.89	23.97	23.98	25	0		
5	QPSK	1	12		23.73	23.86	23.81				
5	QPSK	1	24		23.87	23.30	23.84				
5	QPSK	12	0		23.03	23.03	23.00				
5	QPSK	12	7		23.01	22.94	22.93	24	1		
5	QPSK	12	13		23.00	23.05	23.03				
5	QPSK	25	0		22.94	22.95	23.04				
5	16QAM	1	0		23.00	22.91	22.92				
5	16QAM	1	12		23.02	22.95	22.99	24	1		
5	16QAM	1	24		22.97	22.93	22.93				
5	16QAM	12	0		22.08	22.15	22.13				
5	16QAM	12	7		22.10	22.00	22.05				
5	16QAM	12	13		22.11	22.02	22.07	23	2		
5	16QAM	25	0		22.14	22.16	22.12				
5	64QAM	1	0		22.31	22.41	22.31				
5	64QAM	1	12		22.21	22.23	22.25				
5	64QAM	1	24		22.31	22.26	22.31	23	2		
5	64QAM	12	0		21.11	21.06	21.12				
5	64QAM	12	7		21.08	21.06	21.09				
5	64QAM	12	13		20.99	21.00	20.99				
5	64QAM	25	0		21.10	21.14	21.13	Turn-up last (dBm)	MPR (dB)		

Band 13_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up [dBm]	MPR (dB)			
Channel											
23230											
Frequency (MHz)											
10	QPSK	1	0		782		24.5	0			
10	QPSK	1	25		783.91						
10	QPSK	1	49		783.91						
10	QPSK	25	0		782.89						
10	QPSK	25	12		782.86		23.5	1			
10	QPSK	25	25		782.86						
10	QPSK	50	0		782.87						
10	16QAM	1	0		783.08						
10	16QAM	1	25		783.06		23.5	1			
10	16QAM	1	49		783.10						
10	16QAM	25	0		781.84						
10	16QAM	25	12		781.82						
10	16QAM	25	25		781.83		22.5	2			
10	16QAM	50	0		781.86						
10	16QAM	1	0		782.03						
10	64QAM	1	25		782.10						
10	64QAM	1	49		782.08		22.5	2			
10	64QAM	25	0		780.85						
10	64QAM	25	12		780.80						
10	64QAM	25	25		780.87						
10	64QAM	50	0		780.88		Turn-up (last line)	MPR (dB)			
Channel											
Frequency (MHz)							780.5	782	784.5		
5	QPSK	1	0		2384	2386	2388	24.5	0		
5	QPSK	1	12		2383	2384	2384				
5	QPSK	1	24		2395	2383	2385				
5	QPSK	12	0		2280	2282	2284				
5	QPSK	12	7		2280	2280	2278	23.5	1		
5	QPSK	12	13		2277	2279	2280				
5	QPSK	25	0		2280	2281	2278				
5	16QAM	1	0		2299	2301	2299				
5	16QAM	1	12		2301	2297	2299	23.5	1		
5	16QAM	1	24		2305	2300	2303				
5	16QAM	12	0		2178	2179	2178				
5	16QAM	12	7		2176	2175	2175				
5	16QAM	12	13		2177	2176	2174	22.5	2		
5	16QAM	25	0		2182	2179	2181				
5	64QAM	1	0		2196	2194	2195				
5	64QAM	1	12		2185	2180	2183				
5	64QAM	1	24		2200	2199	2198	22.5	2		
5	64QAM	12	0		2077	2076	2080				
5	64QAM	12	7		2079	2080	2077				
5	64QAM	12	13		2080	2079	2077				
5	64QAM	25	0		2083	2081	2080	Turn-up (last line)	MPR (dB)		

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up test (dB)	MPR (dB)				
Channel				23760	23766	23860						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.97	24.02	24.00	25	0				
10	QPSK	1	25	23.95	23.92	23.98						
10	QPSK	1	49	23.79	23.77	23.77						
10	QPSK	25	0	22.81	22.84	22.81						
10	QPSK	25	12	22.89	22.87	22.86	24	1				
10	QPSK	25	25	22.83	22.89	22.88						
10	QPSK	50	0	22.89	22.99	22.91						
10	16QAM	1	0	23.00	23.10	23.01						
10	16QAM	1	25	23.08	23.15	23.16	24	1				
10	16QAM	1	49	23.08	23.15	23.00						
10	16QAM	25	0	21.80	21.86	21.86						
10	16QAM	25	12	21.84	21.86	21.80						
10	16QAM	25	25	21.88	21.86	21.89	23	2				
10	16QAM	50	0	21.83	21.87	21.86	22	3				
10	16QAM	50	12	21.86	21.84	22.00						
10	16QAM	50	25	22.08	21.92	22.08						
10	16QAM	1	0	22.08	22.09	22.09						
10	16QAM	1	48	22.07	22.09	22.09	23	2				
10	16QAM	1	25	22.04	22.03	22.01						
10	16QAM	25	12	20.93	20.96	20.96						
10	16QAM	25	25	20.97	20.97	20.97						
10	16QAM	50	0	20.93	20.99	20.96	22	3				
Channel				23765	23766	23865						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.91	23.92	23.92			25	0		
5	QPSK	1	12	23.90	23.85	23.93						
5	QPSK	1	24	23.72	23.71	23.67						
5	QPSK	12	0	22.81	22.80	22.81						
5	QPSK	12	7	22.80	22.82	22.81	24	1				
5	QPSK	12	13	22.82	22.80	22.82						
5	QPSK	25	0	22.84	22.93	22.92						
5	QPSK	25	1	22.84	23.03	23.03						
5	16QAM	1	0	22.98	23.10	23.13	24	1				
5	16QAM	1	12	22.98	23.10	23.13						
5	16QAM	1	24	23.00	23.11	23.15						
5	16QAM	12	0	21.75	21.79	21.81						
5	16QAM	12	7	21.74	21.81	21.74	23	2				
5	16QAM	12	13	21.83	21.81	21.84						
5	16QAM	25	0	21.78	21.81	21.81						
5	16QAM	25	1	21.90	21.87	21.92						
5	16QAM	1	12	20.81	21.83	22.03	23	2				
5	16QAM	1	24	21.97	22.02	22.02						
5	16QAM	12	0	20.89	20.84	20.86						
5	16QAM	12	7	20.85	20.81	20.86						
5	16QAM	12	13	20.82	20.89	20.89	22	3				
5	16QAM	25	0	20.86	20.89	20.89						

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power High Ch. [dBm]	Power Power Max [dBm]	Power Power Typ [dBm]	Turn-up limit [dBm]	MPR [dB]		
Channel											
Frequency (MHz)				26765	26865	26965	26815				
15	QPSK	1	0	24.02	24.07	24.02	25	0			
15	QPSK	1	37	23.99	23.98	23.94					
15	QPSK	1	74	24.01	24.01	23.99					
15	QPSK	36	0	22.95	22.95	22.95					
15	QPSK	36	39	22.97	22.98	22.94					
15	QPSK	75	0	22.97	22.98	22.92	24	1			
15	16QAM	1	0	23.21	23.26	23.21					
15	16QAM	1	37	23.19	23.26	23.19					
15	16QAM	1	74	23.20	23.14	23.13					
15	16QAM	36	0	21.94	21.91	21.92					
15	16QAM	36	39	21.89	21.91	21.89	23	2			
15	16QAM	36	75	0	21.95	21.95					21.93
15	16QAM	75	0	22.00	21.95	22.00					
15	16QAM	1	37	22.03	22.13	22.09					
15	16QAM	1	74	22.06	21.94	21.96					
15	16QAM	36	0	20.95	20.93	20.97	22	3			
15	16QAM	36	20	20.91	20.95	20.92					
15	16QAM	36	39	20.98	20.97	20.96					
15	16QAM	75	0	20.97	20.95	20.92					
Channel											
Frequency (MHz)				819	831.5	844	Turn-up limit [dBm]	MPR [dB]			
15	QPSK	1	0	23.94	23.97	23.94	25	0			
15	QPSK	1	25	23.90	23.90	23.85					
15	QPSK	1	49	23.95	23.92	23.84					
15	QPSK	25	0	22.92	22.92	22.89					
15	QPSK	25	12	22.83	22.80	22.83					
15	QPSK	25	25	22.88	22.84	22.78	24	1			
15	QPSK	50	0	22.92	22.88	22.86					
15	QPSK	1	0	23.15	23.21	23.11					
15	16QAM	1	25	23.11	23.23	23.00					
15	16QAM	1	49	23.12	23.06	23.08					
15	16QAM	25	0	21.89	21.81	21.82	23	2			
15	16QAM	25	12	21.79	21.85	21.82					
15	16QAM	25	0	21.95	21.86	21.85					
15	16QAM	50	0	21.89	21.86	21.85					
15	16QAM	1	0	21.93	21.89	22.12					
15	16QAM	1	25	21.95	22.06	22.02	23	2			
15	16QAM	1	49	21.96	22.07	21.91					
15	16QAM	25	0	20.95	20.95	20.95					
15	16QAM	25	12	20.98	20.95	20.95					
15	16QAM	25	25	20.93	20.86	20.79					
15	16QAM	50	0	20.92	20.88	20.83	22	3			
Channel											
Frequency (MHz)				819.5	838.5	846.5	Turn-up limit [dBm]	MPR [dB]			
15	QPSK	1	0	23.97	24.00	23.95	25	0			
15	QPSK	1	12	23.97	23.92	23.84					
15	QPSK	1	24	23.96	23.96	23.84					
15	QPSK	12	0	22.91	22.90	22.86					
15	QPSK	12	7	22.83	22.81	22.80					
15	QPSK	12	13	22.88	22.84	22.77	24	1			
15	QPSK	25	0	22.89	22.79	22.84					
15	QPSK	1	0	23.14	23.19	23.15					
15	16QAM	1	12	23.12	23.18	23.09					
15	16QAM	1	24	23.14	23.05	23.08					
15	16QAM	12	0	21.88	21.85	21.85	23	2			
15	16QAM	12	7	21.83	21.86	21.79					
15	16QAM	12	13	21.86	21.86	21.77					
15	16QAM	25	0	21.90	21.90	21.86					
15	16QAM	1	0	21.93	21.87	22.10					
15	16QAM	1	12	21.97	22.04	22.02	23	2			
15	16QAM	1	24	21.96	22.04	21.97					
15	16QAM	12	0	20.87	20.84	20.92					
15	16QAM	12	7	20.83	20.88	20.86					
15	16QAM	12	13	20.91	20.88	20.81					
15	16QAM	25	0	20.87	20.89	20.85	22	3			
Channel											
Frequency (MHz)				816.5	831.5	847.5	Turn-up limit [dBm]	MPR [dB]			
3	QPSK	1	0	23.97	24.02	23.97	25	0			
3	QPSK	1	8	23.89	23.90	23.88					
3	QPSK	1	14	23.95	23.96	23.86					
3	QPSK	8	0	22.90	22.91	22.86					
3	QPSK	8	7	22.85	22.86	22.81					
3	QPSK	8	7	22.90	22.81	22.76	24	1			
3	16QAM	1	0	23.11	23.21	23.16					
3	16QAM	1	8	23.10	23.23	23.09					
3	16QAM	1	14	23.15	23.08	23.03					
3	16QAM	8	0	21.89	21.81	21.84					
3	16QAM	8	4	21.80	21.86	21.77	23	2			
3	16QAM	8	7	21.83	21.84	21.77					
3	16QAM	15	0	21.87	21.89	21.88					
3	16QAM	1	0	21.96	21.90	22.13					
3	16QAM	1	8	21.98	22.04	21.99					
3	16QAM	1	14	21.97	21.86	21.88	23	2			
3	16QAM	8	0	20.84	20.83	20.82					
3	16QAM	8	4	20.94	20.86	20.87					
3	16QAM	8	7	20.94	20.96	20.87					
3	16QAM	15	0	20.92	20.90	20.84					
Channel											
Frequency (MHz)				814.7	831.5	848.3	Turn-up limit [dBm]	MPR [dB]			
1.4	QPSK	1	0	23.95	24.00	23.94	25	0			
1.4	QPSK	1	3	23.90	23.88	23.86					
1.4	QPSK	1	3	23.92	23.95	23.89					
1.4	QPSK	3	0	22.92	22.90	22.91					
1.4	QPSK	3	3	23.94	23.90	23.88					
1.4	QPSK	3	3	23.91	23.95	23.82	24	1			
1.4	QPSK	6	0	22.92	22.90	22.92					
1.4	16QAM	1	0	23.16	23.18	23.16					
1.4	16QAM	3	0	23.14	23.21	23.03					
1.4	16QAM	1	5	23.13	23.09	23.05					
1.4	16QAM	3	0	22.93	22.92	22.90	24	1			
1.4	16QAM	3	3	22.86	22.84	22.79					
1.4	16QAM	3	3	22.86	22.83	22.75					
1.4	16QAM	3	7	21.86	21.87	21.83					
1.4	16QAM	1	0	21.91	21.89	22.08					
1.4	16QAM	1	3	21.95	22.06	22.00	23	2			
1.4	16QAM	1	5	21.98	21.87	21.87					
1.4	16QAM	3	0	21.88	21.94	21.84					
1.4	16QAM	3	3	21.79	21.82	21.84					
1.4	16QAM	3	3	21.81	21.84	21.77					
1.4	16QAM	6	0	20.98	20.89	20.85	22	3			

Band 26_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Mid Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				819	831.5	844				
15	QPSK	1	0	23.95	23.98	23.93	24.5	0		
15	QPSK	1	37	23.89	23.94	23.91				
15	QPSK	1	74	23.86	23.83	23.81				
15	QPSK	36	0	22.93	22.94	22.89				
15	QPSK	36	39	22.87	22.86	22.84				
15	QPSK	75	0	22.87	22.89	22.86	23.5	1		
15	16QAM	1	0	22.99	23.12	23.23				
15	16QAM	1	37	23.15	23.15	23.16				
15	16QAM	1	74	23.19	23.17	23.09				
15	16QAM	36	0	21.84	21.87	21.88				
15	16QAM	36	20	21.85	21.88	21.88	22.5	2		
15	16QAM	36	39	21.87	21.85	21.81				
15	16QAM	75	0	21.89	21.87	21.81				
15	16QAM	75	0	22.10	21.96	22.15				
15	16QAM	1	37	22.04	22.15	22.09				
15	16QAM	1	74	22.04	22.11	21.78	21.5	3		
15	16QAM	36	0	20.85	20.87	20.93				
15	16QAM	36	20	20.84	20.87	20.86				
15	16QAM	36	39	20.91	20.80	20.80				
15	16QAM	75	0	20.87	20.87	20.89				
Channel										
Frequency (MHz)				819	831.5	844	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.90	23.89	23.84	24.5	0		
15	QPSK	1	25	23.80	23.88	23.82				
15	QPSK	1	49	23.80	23.86	23.76				
15	QPSK	25	0	22.84	22.86	22.79				
15	QPSK	25	12	22.75	22.76	22.75				
15	QPSK	25	25	22.77	22.81	22.69	23.5	1		
15	QPSK	50	0	22.82	22.80	22.82				
15	16QAM	1	0	22.90	23.00	23.15				
15	16QAM	1	25	23.05	23.06	23.10				
15	16QAM	1	49	23.13	23.12	23.00				
15	16QAM	25	0	21.76	21.80	21.83	22.5	2		
15	16QAM	25	12	21.76	21.82	21.83				
15	16QAM	25	25	21.77	21.78	21.73				
15	16QAM	50	0	21.83	21.80	21.82				
15	16QAM	1	0	22.01	21.86	22.06				
15	16QAM	1	25	21.99	22.08	22.01	22.5	2		
15	16QAM	1	49	21.97	22.03	21.69				
15	16QAM	25	0	20.76	20.80	20.85				
15	16QAM	25	12	20.79	20.79	20.79				
15	16QAM	25	25	20.83	20.72	20.72				
15	16QAM	50	0	20.81	20.78	20.80	21.5	3		
Channel										
Frequency (MHz)				819.5	836.5	846.5	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.90	23.91	23.85	24.5	0		
15	QPSK	1	25	23.84	23.97	23.81				
15	QPSK	1	24	23.80	23.86	23.76				
15	QPSK	12	0	22.88	22.87	22.79				
15	QPSK	12	7	22.75	22.75	22.78				
15	QPSK	12	13	22.78	22.78	22.87	23.5	1		
15	QPSK	25	0	22.80	23.01	23.10				
15	QPSK	25	0	22.93	23.07	23.13				
15	16QAM	1	12	23.08	23.07	23.10				
15	16QAM	1	24	23.12	23.10	23.04				
15	16QAM	12	13	21.77	21.79	21.83	22.5	2		
15	16QAM	12	19	21.79	21.82	21.79				
15	16QAM	12	13	21.82	21.80	21.71				
15	16QAM	25	0	21.79	21.80	21.85				
15	16QAM	1	0	22.02	21.87	22.05				
15	16QAM	1	12	21.99	22.06	22.02	21.5	3		
15	16QAM	1	24	21.95	22.00	21.84				
15	16QAM	12	0	20.80	20.77	20.84				
15	16QAM	12	7	20.75	20.82	20.79				
15	16QAM	12	13	20.83	20.74	20.71				
15	16QAM	25	0	20.77	20.81	20.80				
Channel										
Frequency (MHz)				816.5	831.5	842.5	Turn-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.90	23.91	23.87	24.5	0		
3	QPSK	1	8	23.82	23.89	23.82				
3	QPSK	1	14	23.88	23.84	23.71				
3	QPSK	8	0	22.87	22.89	22.79				
3	QPSK	8	4	22.76	22.76	22.75				
3	QPSK	8	7	22.81	22.77	22.87	23.5	1		
3	QPSK	15	0	22.77	22.82	22.80				
3	16QAM	1	0	22.89	23.03	23.15				
3	16QAM	1	8	23.05	23.08	23.10				
3	16QAM	1	14	23.11	23.10	23.10				
3	16QAM	8	0	21.75	21.79	21.82	22.5	2		
3	16QAM	8	4	21.80	21.83	21.78				
3	16QAM	8	7	21.82	21.78	21.71				
3	16QAM	15	0	21.82	21.82	21.84				
3	16QAM	15	2	22.05	21.88	22.07				
3	16QAM	1	8	21.94	22.10	21.99	21.5	3		
3	16QAM	1	14	21.97	22.05	21.71				
3	16QAM	8	0	20.77	20.80	20.88				
3	16QAM	8	4	20.75	20.80	20.76				
3	16QAM	8	7	20.81	20.70	20.78				
3	16QAM	15	0	20.80	20.79	20.82				
Channel										
Frequency (MHz)				814.7	831.5	848.3	Turn-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.95	23.91	23.85	24.5	0		
1.4	QPSK	1	3	23.92	23.84	23.81				
1.4	QPSK	3	0	22.79	22.84	22.76				
1.4	QPSK	3	3	22.93	22.93	22.88				
1.4	QPSK	3	3	23.84	23.85	23.81				
1.4	QPSK	3	5	23.78	23.68	23.74	23.5	1		
1.4	QPSK	6	0	22.79	22.83	22.80				
1.4	16QAM	1	0	22.91	23.02	23.16				
1.4	16QAM	1	3	23.10	23.10	23.08				
1.4	16QAM	1	5	23.10	23.08	23.09				
1.4	16QAM	3	0	22.83	22.89	22.82	22.5	2		
1.4	16QAM	3	1	22.78	22.75	22.76				
1.4	16QAM	3	3	22.79	22.79	22.72				
1.4	16QAM	3	5	21.84	21.81	21.83				
1.4	16QAM	1	0	22.03	21.88	22.07				
1.4	16QAM	1	3	21.99	22.09	22.00	21.5	3		
1.4	16QAM	3	5	21.97	22.08	21.70				
1.4	16QAM	3	3	21.79	21.77	21.79				
1.4	16QAM	3	1	21.76	21.79	21.84				
1.4	16QAM	3	3	21.82	21.79	21.71				
1.4	16QAM	3	0	20.80	20.82	20.82	21.5	3		

Band 66_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Meas Ch. / Freq.	Power High Ch. / Freq.	Turn-up and (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1740	1770						
20	QPSK	1	0	20.20	20.27	20.11	20.75	0				
20	QPSK	1	49	20.25	20.23	20.15						
20	QPSK	1	99	20.24	20.32	20.19						
20	QPSK	50	0	20.26	20.32	20.17						
20	QPSK	50	24	20.16	20.24	20.14						
20	QPSK	50	50	20.27	20.24	20.13	20.75	0				
20	QPSK	100	0	20.25	20.30	20.19						
20	16QAM	1	0	20.14	20.29	20.20						
20	16QAM	1	49	20.20	20.29	20.15						
20	16QAM	1	99	20.22	20.24	20.17						
20	16QAM	50	0	20.27	20.27	20.17	20.75	0				
20	16QAM	50	24	20.27	20.24	20.16						
20	16QAM	50	50	20.28	20.23	20.07						
20	16QAM	100	0	20.14	20.32	20.17						
20	16QAM	1	0	20.13	20.20	20.08						
20	16QAM	1	49	20.22	20.24	20.14	20.75	0				
20	16QAM	1	99	20.16	20.32	20.19						
20	16QAM	50	0	20.24	20.19	20.20						
20	16QAM	50	24	20.24	20.21	20.15						
20	16QAM	50	50	20.20	20.32	20.12						
20	16QAM	100	0	20.15	20.31	20.06	20.75	0				
Channel												
Frequency (MHz)				13157	13232	13267			Turn-up and (dBm)	MPR (dB)		
15	QPSK	1	0	20.21	20.23	20.06			20.75	0		
15	QPSK	1	37	20.22	20.20	20.04						
15	QPSK	1	74	20.09	20.18	20.09						
15	QPSK	36	0	20.12	20.18	20.09						
15	QPSK	36	20	20.09	20.18	20.07						
15	QPSK	36	38	20.13	20.21	20.13	20.75	0				
15	QPSK	75	0	20.19	20.27	20.05						
15	16QAM	1	0	20.06	20.28	20.13						
15	16QAM	1	37	20.16	20.27	20.10						
15	16QAM	1	74	20.18	20.18	20.07						
15	16QAM	36	0	20.17	20.26	20.11	20.75	0				
15	16QAM	36	20	20.14	20.21	20.06						
15	16QAM	36	38	20.15	20.24	20.12						
15	16QAM	75	0	20.04	20.20	20.02						
15	16QAM	75	0	0.988	20.13	20.04						
15	16QAM	1	0	20.17	20.21	20.09	20.75	0				
15	16QAM	1	74	20.08	20.24	20.11						
15	16QAM	36	0	20.13	20.17	20.05						
15	16QAM	36	20	20.22	20.17	20.12						
15	16QAM	36	38	20.12	20.19	20.10						
15	16QAM	75	0	20.02	20.17	20.02	20.75	0				
Channel												
Frequency (MHz)				13203	13232	13267			Turn-up and (dBm)	MPR (dB)		
10	QPSK	1	0	20.13	20.27	20.19			20.75	0		
10	QPSK	1	26	20.18	20.22	20.04						
10	QPSK	1	49	20.17	20.28	20.12						
10	QPSK	25	0	20.13	20.28	20.08						
10	QPSK	25	12	20.15	20.27	20.04						
10	QPSK	25	12	20.22	20.09	20.03	20.75	0				
10	QPSK	50	0	20.12	20.28	20.09						
10	16QAM	1	0	20.00	20.26	20.11						
10	16QAM	1	25	20.14	20.22	20.03						
10	16QAM	1	49	20.15	20.22	20.06						
10	16QAM	25	0	20.17	20.21	20.11	20.75	0				
10	16QAM	25	0	20.17	20.21	20.11						
10	16QAM	25	12	20.12	20.12	20.00						
10	16QAM	25	25	20.15	20.18	19.93						
10	16QAM	50	0	20.11	20.28	20.11						
10	16QAM	1	0	20.06	20.15	20.01	20.75	0				
10	16QAM	1	24	20.15	20.21	20.07						
10	16QAM	1	49	20.02	20.20	20.09						
10	16QAM	25	0	20.19	20.11	20.12						
10	16QAM	25	12	20.13	20.15	20.06						
10	16QAM	25	25	20.16	20.17	20.07	20.75	0				
10	16QAM	50	0	20.08	20.27	20.02						
Channel												
Frequency (MHz)				13197	13232	13267			Turn-up and (dBm)	MPR (dB)		
5	QPSK	1	0	20.23	20.27	20.11			20.75	0		
5	QPSK	1	12	20.19	20.18	20.03						
5	QPSK	1	24	20.12	20.19	20.14						
5	QPSK	12	0	20.20	20.18	20.02						
5	QPSK	12	7	20.08	20.17	20.12						
5	QPSK	12	13	20.08	20.09	20.02	20.75	0				
5	QPSK	25	0	20.12	20.18	20.10						
5	16QAM	1	0	20.05	20.26	20.09						
5	16QAM	1	12	20.12	20.16	20.09						
5	16QAM	1	24	20.20	20.19	20.11						
5	16QAM	12	0	20.22	20.13	20.12	20.75	0				
5	16QAM	12	7	20.24	20.20	20.09						
5	16QAM	12	13	20.12	20.12	20.04						
5	16QAM	25	0	20.07	20.25	20.13						
5	16QAM	25	0	20.04	20.19	20.07						
5	16QAM	1	12	20.08	20.09	20.02	20.75	0				
5	16QAM	1	24	20.02	20.30	20.08						
5	16QAM	12	0	20.11	20.08	20.13						
5	16QAM	12	7	20.18	20.15	20.12						
5	16QAM	12	13	20.19	20.22	20.08						
5	16QAM	25	0	20.10	20.20	19.96	20.75	0				
5	16QAM	25	0	20.10	20.20	19.96						
Channel												
Frequency (MHz)				13197	1740	1778.5			Turn-up and (dBm)	MPR (dB)		
3	QPSK	1	0	20.23	20.24	20.06			20.75	0		
3	QPSK	1	8	20.14	20.17	20.02						
3	QPSK	1	14	20.10	20.24	20.08						
3	QPSK	1	20	20.14	20.21	20.02						
3	QPSK	8	4	20.11	20.21	20.09						
3	QPSK	8	7	20.09	20.16	20.10	20.75	0				
3	QPSK	15	0	20.10	20.19	20.15						
3	16QAM	1	0	20.08	20.23	20.08						
3	16QAM	1	8	20.12	20.24	20.12						
3	16QAM	1	14	20.14	20.27	20.08						
3	16QAM	8	0	20.14	20.22	20.06	20.75	0				
3	16QAM	8	4	20.18	20.11	20.07						
3	16QAM	8	7	20.18	20.13	20.06						
3	16QAM	15	0	20.11	20.20	20.11						
3	16QAM	1	0	20.11	20.09	19.96						
3	16QAM	1	8	20.20	20.11	20.02	20.75	0				
3	16QAM	1	14	20.13	20.25	20.00						
3	16QAM	8	0	20.17	20.09	20.11						
3	16QAM	8	4	20.09	20.21	20.13						
3	16QAM	8	7	20.11	20.22	20.11						
3	16QAM	15	0	20.09	20.28	19.94	20.75	0				
Channel												
Frequency (MHz)				13197	13232	13266			Turn-up and (dBm)	MPR (dB)		
1.4	QPSK	1	0	20.21	20.18	20.18			20.75	0		
1.4	QPSK	1	3	20.12	20.14	20.09						
1.4	QPSK	1	6	20.18	20.21	20.16						
1.4	QPSK	3	0	20.23	20.20	20.15						
1.4	QPSK	3	3	20.06	20.22	20.05						
1.4	QPSK	6	0	20.24	20.18	20.15	20.75	0				
1.4	QPSK	1	0	20.00	20.25	20.14						
1.4	16QAM	1	0	20.15	20.29	20.10						
1.4	16QAM	1	5	20.07	20.13	20.14						
1.4	16QAM	3	0	20.21	20.17	20.13						
1.4	16QAM	3	1	20.25	20.18	19.97	20.75	0				
1.4	16QAM	3	3	20.19	20.15	20.02						
1.4	16QAM	10	0	20.11	20.12	20.11						
1.4	16QAM	1	3	20.21	20.22	20.06						
1.4	16QAM	1	5	20.09	20.27	20.11						
1.4	16QAM	3	0	20.13	20.13	20.10	20.75	0				
1.4	16QAM	3	3	20.15	20.09	20.08						
1.4	16QAM	3	3	20.15	20.32	19.99						
1.4	16QAM	6	0	20.09	20.17	20.01						
1.4	16QAM	6	0	20.09	20.17	20.01						

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MPR (dB)
Channel				132072	132320	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.03	21.68	21.34	22	0
20	QPSK	1	49	21.53	21.82	21.67		
20	QPSK	1	99	21.49	21.81	21.67		
20	QPSK	50	0	21.62	21.85	21.73		
20	QPSK	50	24	21.56	21.84	21.62	22	0
20	QPSK	50	50	21.55	21.84	21.64		
20	QPSK	100	0	21.60	21.74	21.64		
20	16QAM	1	0	21.49	21.87	21.73		
20	16QAM	1	49	21.49	21.74	21.61	22	0
20	16QAM	1	99	21.62	21.79	21.73		
20	16QAM	50	0	21.60	21.82	21.60		
20	16QAM	50	24	21.50	21.78	21.62		
20	16QAM	50	50	21.49	21.77	21.71	22	0
20	16QAM	100	0	21.58	21.75	21.66		
20	64QAM	1	0	21.56	21.83	21.73		
20	64QAM	1	49	21.58	21.81	21.69	22	0
20	64QAM	1	99	21.55	21.82	21.67		
20	64QAM	50	0	20.24	20.48	20.63		
20	64QAM	50	24	20.24	20.53	20.68		
20	64QAM	50	50	20.18	20.57	20.58	21.5	0.5
20	64QAM	100	0	20.20	20.52	20.57		
Channel				132047	132320	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.54	21.77	21.67	22	0
15	QPSK	1	37	21.50	21.79	21.64		
15	QPSK	1	74	21.35	21.68	21.58		
15	QPSK	36	0	21.59	21.78	21.58		
15	QPSK	36	20	21.47	21.74	21.63	22	0
15	QPSK	36	36	21.49	21.83	21.52		
15	QPSK	75	0	21.50	21.73	21.54		
15	16QAM	1	0	21.39	21.75	21.60		
15	16QAM	1	37	21.46	21.61	21.49	22	0
15	16QAM	1	74	21.52	21.65	21.65		
15	16QAM	36	0	21.57	21.77	21.54		
15	16QAM	36	20	21.58	21.71	21.56		
15	16QAM	36	36	21.48	21.62	21.58	22	0
15	16QAM	75	0	21.43	21.78	21.53		
15	64QAM	1	0	21.44	21.77	21.64		
15	64QAM	1	37	21.49	21.73	21.56		
15	64QAM	1	74	21.50	21.81	21.52	22	0
15	64QAM	36	0	20.14	20.42	20.56		
15	64QAM	36	20	20.16	20.43	20.55		
15	64QAM	36	36	20.08	20.50	20.50		
15	64QAM	75	0	20.13	20.45	20.50	21.5	0.5
Channel				132022	132320	132622		
Frequency (MHz)				171.5	1745	1770		
10	QPSK	1	0	21.61	21.79	21.66		
10	QPSK	1	25	21.41	21.71	21.56	22	0
10	QPSK	1	49	21.34	21.71	21.59		
10	QPSK	25	0	21.58	21.79	21.70		
10	QPSK	25	12	21.63	21.80	21.69		
10	QPSK	25	25	21.54	21.82	21.52	22	0
10	QPSK	50	0	21.45	21.65	21.61		
10	16QAM	1	0	21.45	21.74	21.66		
10	16QAM	1	25	21.41	21.67	21.46		
10	16QAM	1	49	21.48	21.68	21.62	22	0
10	16QAM	25	0	21.49	21.78	21.60		
10	16QAM	25	12	21.40	21.70	21.57		
10	16QAM	25	25	21.35	21.62	21.70		
10	16QAM	50	0	21.51	21.73	21.58	22	0
10	64QAM	1	0	21.53	21.69	21.58		
10	64QAM	1	25	21.51	21.60	21.66		
10	64QAM	1	49	21.48	21.77	21.60		
10	64QAM	25	0	20.14	20.40	20.58	21.5	0.5
10	64QAM	25	12	20.19	20.45	20.52		
10	64QAM	25	25	20.11	20.47	20.53		
10	64QAM	50	0	20.14	20.41	20.47		
Channel				131997	132320	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.52	21.84	21.72	22	0
5	QPSK	1	12	21.45	21.76	21.53		
5	QPSK	1	24	21.37	21.75	21.57		
5	QPSK	12	0	21.58	21.70	21.69		
5	QPSK	12	7	21.47	21.82	21.57	22	0
5	QPSK	12	13	21.53	21.79	21.58		
5	QPSK	25	0	21.48	21.72	21.57		
5	16QAM	1	0	21.34	21.74	21.70		
5	16QAM	1	12	21.34	21.60	21.47	22	0
5	16QAM	1	24	21.48	21.69	21.58		
5	16QAM	12	0	21.56	21.80	21.58		
5	16QAM	12	7	21.49	21.64	21.59		
5	16QAM	12	13	21.38	21.62	21.63	22	0
5	16QAM	25	0	21.46	21.69	21.56		
5	64QAM	1	0	21.52	21.73	21.66		
5	64QAM	1	12	21.51	21.75	21.61		
5	64QAM	1	24	21.42	21.81	21.53	21.5	0.5
5	64QAM	12	0	20.19	20.40	20.53		
5	64QAM	12	7	20.15	20.47	20.55		
5	64QAM	12	13	20.08	20.52	20.48		
5	64QAM	25	0	20.13	20.43	20.50	21.5	0.5
Channel				131987	132320	132657		
Frequency (MHz)				1711.5	1745	1776.5		
3	QPSK	1	0	21.60	21.78	21.68		
3	QPSK	1	8	21.45	21.71	21.58	22	0
3	QPSK	1	14	21.35	21.70	21.52		
3	QPSK	8	0	21.51	21.76	21.70		
3	QPSK	8	4	21.51	21.65	21.60		
3	QPSK	8	7	21.50	21.83	21.58	22	0
3	QPSK	15	0	21.59	21.61	21.56		
3	16QAM	1	0	21.38	21.65	21.67		
3	16QAM	1	8	21.38	21.68	21.47		
3	16QAM	1	14	21.55	21.78	21.70	22	0
3	16QAM	8	0	21.47	21.73	21.49		
3	16QAM	8	4	21.36	21.65	21.58		
3	16QAM	8	7	21.37	21.75	21.64		
3	16QAM	15	0	21.53	21.67	21.56	21.5	0.5
3	64QAM	1	0	21.52	21.78	21.69		
3	64QAM	1	8	21.51	21.72	21.54		
3	64QAM	1	14	21.53	21.75	21.66		
3	64QAM	8	0	20.15	20.39	20.57	21.5	0.5
3	64QAM	8	4	20.15	20.44	20.50		
3	64QAM	8	7	20.08	20.47	20.51		
3	64QAM	15	0	20.11	20.44	20.49		
Channel				131979	132320	132668		
Frequency (MHz)				1710.7	1745	1775.3		
1.4	QPSK	1	0	21.57	21.74	21.68	22	0
1.4	QPSK	1	3	21.42	21.70	21.60		
1.4	QPSK	1	5	21.35	21.75	21.54		
1.4	QPSK	3	0	21.50	21.76	21.65		
1.4	QPSK	3	1	21.50	21.75	21.60	22	0
1.4	QPSK	3	3	21.51	21.80	21.48		
1.4	QPSK	6	0	21.58	21.72	21.51		
1.4	16QAM	1	0	21.45	21.65	21.71		
1.4	16QAM	1	3	21.43	21.59	21.60	22	0
1.4	16QAM	1	5	21.51	21.70	21.60		
1.4	16QAM	3	0	21.58	21.73	21.57		
1.4	16QAM	3	1	21.41	21.67	21.51		
1.4	16QAM	3	3	21.36	21.78	21.65	22	0
1.4	16QAM	6	0	21.47	21.71	21.51		
1.4	16QAM	1	0	21.46	21.77	21.60		
1.4	64QAM	1	3	21.47	21.75	21.54		
1.4	64QAM	1	5	21.44	21.78	21.57	22	0
1.4	64QAM	3	0	21.49	21.62	21.73		
1.4	64QAM	3	1	21.48	21.73	21.62		
1.4	64QAM	3	3	21.36	21.68	21.58		
1.4	64QAM	6	0	20.16	20.44	20.48	21.5	0.5

Band 38_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2575	2595	2615				
20	QPSK	1	0	20.58	20.53	20.48	21	0		
20	QPSK	1	49	20.47	20.41	20.38				
20	QPSK	1	99	20.49	20.51	20.37				
20	QPSK	50	0	20.55	20.50	20.40				
20	QPSK	50	24	20.43	20.48	20.38	21	0		
20	QPSK	50	50	20.44	20.45	20.33				
20	QPSK	100	0	20.52	20.43	20.33				
20	16QAM	1	0	20.52	20.39	20.42				
20	16QAM	1	49	20.55	20.40	20.35	21	0		
20	16QAM	1	99	20.43	20.39	20.39				
20	16QAM	50	0	20.55	20.45	20.40				
20	16QAM	50	24	20.50	20.43	20.37				
20	16QAM	50	50	20.51	20.52	20.31	21	0		
20	16QAM	100	0	20.47	20.41	20.33				
20	64QAM	1	0	20.52	20.49	20.38				
20	64QAM	1	49	20.53	20.50	20.35				
20	64QAM	1	99	20.45	20.50	20.31	21	0		
20	64QAM	50	0	20.56	20.51	20.35				
20	64QAM	50	24	20.52	20.52	20.31				
20	64QAM	50	50	20.45	20.38	20.32				
20	64QAM	100	0	20.42	20.27	20.22	Channel			
Frequency (MHz)				37825	38000	38175	Turn-up limit (dBm)	MPR (dB)		
				2577.5	2595	2612.5				
15	QPSK	1	0	20.56	20.49	20.42	21	0		
15	QPSK	1	37	20.32	20.29	20.28				
15	QPSK	1	74	20.47	20.36	20.33				
15	QPSK	36	0	20.53	20.43	20.34				
15	QPSK	36	20	20.36	20.36	20.31	21	0		
15	QPSK	36	39	20.37	20.43	20.26				
15	QPSK	75	0	20.47	20.42	20.23				
15	16QAM	1	0	20.39	20.36	20.34				
15	16QAM	1	37	20.47	20.34	20.28	21	0		
15	16QAM	1	74	20.32	20.35	20.30				
15	16QAM	36	0	20.40	20.42	20.30				
15	16QAM	36	20	20.38	20.36	20.28				
15	16QAM	36	39	20.48	20.43	20.27	21	0		
15	16QAM	75	0	20.35	20.34	20.24				
15	64QAM	1	0	20.48	20.45	20.33				
15	64QAM	1	37	20.52	20.38	20.30				
15	64QAM	1	74	20.31	20.45	20.26	21	0		
15	64QAM	36	0	20.41	20.46	20.28				
15	64QAM	36	20	20.39	20.37	20.30				
15	64QAM	36	39	20.40	20.25	20.30				
15	64QAM	75	0	20.33	20.19	20.17	Channel			
Frequency (MHz)				37800	38000	38200	Turn-up limit (dBm)	MPR (dB)		
				2575	2595	2615				
10	QPSK	1	0	20.45	20.38	20.32	21	0		
10	QPSK	1	25	20.35	20.36	20.23				
10	QPSK	1	49	20.42	20.39	20.35				
10	QPSK	25	0	20.43	20.38	20.31				
10	QPSK	25	12	20.31	20.45	20.32	21	0		
10	QPSK	25	25	20.29	20.36	20.19				
10	QPSK	50	0	20.51	20.29	20.19				
10	16QAM	1	0	20.51	20.26	20.34				
10	16QAM	1	25	20.50	20.30	20.33	21	0		
10	16QAM	1	49	20.34	20.26	20.35				
10	16QAM	25	0	20.48	20.36	20.30				
10	16QAM	25	12	20.35	20.32	20.28				
10	16QAM	25	25	20.41	20.46	20.21	21	0		
10	16QAM	50	0	20.34	20.33	20.26				
10	64QAM	1	0	20.39	20.43	20.29				
10	64QAM	1	25	20.50	20.38	20.31				
10	64QAM	1	49	20.31	20.44	20.16	21	0		
10	64QAM	25	0	20.43	20.49	20.26				
10	64QAM	25	12	20.44	20.47	20.16				
10	64QAM	25	25	20.31	20.23	20.24				
10	64QAM	50	0	20.30	20.17	20.18	Channel			
Frequency (MHz)				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)		
				2572.5	2595	2617.5				
5	QPSK	1	0	20.45	20.52	20.43	21	0		
5	QPSK	1	12	20.46	20.28	20.31				
5	QPSK	1	24	20.42	20.43	20.25				
5	QPSK	12	0	20.49	20.44	20.31				
5	QPSK	12	7	20.42	20.34	20.31	21	0		
5	QPSK	12	13	20.30	20.47	20.22				
5	QPSK	25	0	20.44	20.34	20.29				
5	16QAM	1	0	20.42	20.33	20.31				
5	16QAM	1	12	20.44	20.33	20.24	21	0		
5	16QAM	1	24	20.39	20.33	20.28				
5	16QAM	12	0	20.40	20.33	20.27				
5	16QAM	12	7	20.46	20.33	20.24				
5	16QAM	12	13	20.47	20.38	20.25	21	0		
5	16QAM	25	0	20.46	20.31	20.19				
5	64QAM	1	0	20.37	20.42	20.28				
5	64QAM	1	12	20.47	20.43	20.28				
5	64QAM	1	24	20.42	20.46	20.18	21	0		
5	64QAM	12	0	20.54	20.39	20.26				
5	64QAM	12	7	20.40	20.42	20.17				
5	64QAM	12	13	20.43	20.24	20.21				
5	64QAM	25	0	20.34	20.22	20.20				

Band 38_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.50	23.43	23.35	24	0		
20	QPSK	1	49	23.45	23.38	23.30				
20	QPSK	1	99	23.40	23.20	23.11				
20	QPSK	50	0	22.84	22.53	22.45	23	1		
20	QPSK	50	24	22.85	22.45	22.39				
20	QPSK	50	50	22.52	22.32	22.25				
20	QPSK	100	0	22.51	22.42	22.32	23	1		
20	16QAM	1	0	22.65	22.73	22.61				
20	16QAM	1	49	22.74	22.75	22.54				
20	16QAM	1	99	22.88	22.47	22.74	23	1		
20	16QAM	50	0	21.54	21.55	21.50				
20	16QAM	50	24	21.57	21.46	21.40				
20	16QAM	50	50	21.56	21.37	21.31	22	2		
20	16QAM	100	0	21.52	21.45	21.34				
20	64QAM	1	0	21.51	21.59	21.46				
20	64QAM	1	49	21.50	21.54	21.39	22	2		
20	64QAM	1	99	21.51	21.32	21.20				
20	64QAM	50	0	20.52	20.53	20.43				
20	64QAM	50	24	20.52	20.46	20.37	21	3		
20	64QAM	50	50	20.52	20.46	20.37				
20	64QAM	100	0	20.50	20.47	20.35				
Channel				37825	38000	38175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.37	23.35	23.37	24	0		
15	QPSK	1	37	23.41	23.38	23.22				
15	QPSK	1	75	23.31	23.14	23.06				
15	QPSK	36	0	22.53	22.52	22.40	23	1		
15	QPSK	36	24	22.52	22.36	22.31				
15	QPSK	36	39	22.48	22.23	22.22				
15	QPSK	75	0	22.54	22.50	22.31	23	1		
15	16QAM	1	0	22.53	22.60	22.38				
15	16QAM	1	37	22.69	22.64	22.44				
15	16QAM	1	74	22.55	22.44	22.22	22	2		
15	16QAM	36	0	21.52	21.49	21.37				
15	16QAM	36	24	21.53	21.39	21.29				
15	16QAM	36	39	21.53	21.34	21.16	22	2		
15	16QAM	75	0	21.49	21.37	21.31				
15	64QAM	1	0	21.36	21.45	21.42				
15	64QAM	1	37	21.50	21.46	21.39	22	2		
15	64QAM	1	74	21.47	21.38	21.11				
15	64QAM	36	0	20.45	20.45	20.32				
15	64QAM	36	20	20.41	20.38	20.34	21	3		
15	64QAM	36	39	20.39	20.30	20.11				
15	64QAM	75	0	20.39	20.30	20.20				
Channel				37800 <th>38000</th> <th>38200</th> <th>Turn-up limit (dBm)</th> <th colspan="3">MPR (dB)</th>	38000	38200	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2615				
10	QPSK	1	0	23.41	23.40	23.28	24	0		
10	QPSK	1	25	23.33	23.29	23.16				
10	QPSK	1	49	23.26	23.07	23.05				
10	QPSK	1	75	22.63	22.53	22.48	23	1		
10	QPSK	23	12	22.50	22.34	22.35				
10	QPSK	25	25	22.38	22.26	22.13				
10	QPSK	50	0	22.46	22.32	22.22	23	1		
10	16QAM	1	0	22.64	22.59	22.48				
10	16QAM	1	25	22.63	22.45	22.49				
10	16QAM	1	49	22.54	22.38	22.22	22	2		
10	16QAM	25	0	21.46	21.55	21.49				
10	16QAM	25	12	21.50	21.33	21.31				
10	16QAM	25	25	21.54	21.34	21.29	22	2		
10	16QAM	50	0	21.48	21.49	21.33				
10	64QAM	1	0	21.45	21.46	21.31				
10	64QAM	1	25	21.56	21.43	21.36	22	2		
10	64QAM	1	49	21.45	21.26	21.10				
10	64QAM	23	12	20.45	20.36	20.36				
10	64QAM	23	12	20.38	20.29	20.32	21	3		
10	64QAM	25	25	20.44	20.28	20.13				
10	64QAM	50	0	20.42	20.41	20.23				
Channel				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2625				
5	QPSK	1	0	23.39	23.42	23.30	24	0		
5	QPSK	1	12	23.34	23.23	23.06				
5	QPSK	1	24	23.34	23.08	23.00				
5	QPSK	12	0	22.62	22.51	22.39	23	1		
5	QPSK	12	7	22.42	22.32	22.38				
5	QPSK	13	23	22.35	22.23	22.20				
5	QPSK	25	0	22.41	22.32	22.23	23	1		
5	16QAM	1	0	22.60	22.59	22.39				
5	16QAM	1	12	22.70	22.65	22.49				
5	16QAM	1	24	22.86	22.41	22.23	23	1		
5	16QAM	13	6	22.65	22.44	21.48				
5	16QAM	12	7	21.53	21.37	21.28				
5	16QAM	12	13	21.49	21.32	21.28	22	2		
5	16QAM	25	0	21.51	21.43	21.29				
5	64QAM	1	0	21.45	21.45	21.38				
5	64QAM	1	12	21.59	21.45	21.36	22	2		
5	64QAM	1	24	21.43	21.25	21.17				
5	64QAM	12	0	20.41	20.40	20.40				
5	64QAM	12	7	20.40	20.35	20.31	21	3		
5	64QAM	13	6	20.42	20.35	20.14				
5	64QAM	25	0	20.35	20.41	20.27				

Band 41_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid Ch. Freq.	Power Mid Ch. Freq.	Power High Mid Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)		MPR (dB)			
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2501.5	2544.3	25903	2637.8	2682.5						
20	QPSK	1	0	19.81	20.12	20.40	20.18	20.31						
20	QPSK	1	49	19.82	20.17	20.30	20.09	20.22	20.75	0				
20	QPSK	1	99	19.87	20.20	20.43	20.24	20.35						
20	QPSK	50	0	19.80	20.05	20.37	20.09	20.26						
20	QPSK	50	24	19.73	20.06	20.28	20.12	20.20	20.75	0				
20	QPSK	50	50	19.85	20.18	20.41	20.14	20.30						
20	QPSK	100	0	19.80	20.10	20.37	20.20	20.34						
20	16QAM	1	0	19.81	20.12	20.38	20.11	20.24						
20	16QAM	1	49	19.82	20.19	20.29	20.20	20.26						
20	16QAM	1	99	19.79	20.07	20.36	20.12	20.23						
20	16QAM	50	0	19.86	20.05	20.34	20.19	20.21						
20	16QAM	50	24	19.77	20.05	20.37	20.23	20.28	20.75	0				
20	16QAM	50	50	19.77	20.10	20.31	20.10	20.25						
20	16QAM	100	0	19.84	20.06	20.38	20.10	20.22						
20	16QAM	1	0	19.79	20.06	20.30	20.13	20.23						
20	16QAM	1	49	19.80	20.12	20.30	20.13	20.22	20.75	0				
20	16QAM	1	99	19.84	20.18	20.28	20.12	20.28						
20	16QAM	50	0	19.76	20.16	20.37	20.19	20.23						
20	16QAM	50	24	19.75	20.19	20.32	20.20	20.24	20.75	0				
20	16QAM	50	50	19.72	20.15	20.33	20.13	20.23						
20	16QAM	100	0	19.83	20.11	20.42	20.09	20.24						
Channel				39725	40173	40620	41068	41515	Turn-up limit (dBm)		MPR (dB)			
Frequency (MHz)				2503.5	2548.3	25903	2637.8	2682.5						
15	QPSK	1	0	19.78	20.02	20.26	20.12	20.27						
15	QPSK	1	37	19.79	20.06	20.16	20.05	20.20						
15	QPSK	1	74	19.81	20.05	20.29	20.13	20.25						
15	QPSK	36	0	19.75	20.02	20.28	20.03	20.22						
15	QPSK	36	20	19.67	20.01	20.16	20.10	20.13						
15	QPSK	36	36	19.78	19.95	20.27	20.11	20.17						
15	QPSK	75	0	19.76	19.95	20.24	20.07	20.28						
15	16QAM	1	0	19.67	20.05	20.35	20.00	20.26						
15	16QAM	1	37	19.75	20.13	20.27	20.17	20.19	20.75	0				
15	16QAM	1	74	19.74	19.93	20.22	20.03	20.11						
15	16QAM	36	0	19.79	20.00	20.19	20.16	20.19						
15	16QAM	36	20	19.70	19.97	20.32	20.18	20.18						
15	16QAM	36	36	19.76	19.97	20.27	20.08	20.19						
15	16QAM	75	0	19.75	19.80	20.29	20.01	20.09						
15	16QAM	1	0	19.77	19.99	20.27	20.11	20.18						
15	16QAM	1	37	19.69	19.99	20.28	19.99	20.24	20.75	0				
15	16QAM	1	74	19.72	20.12	20.24	19.99	20.16						
15	16QAM	36	0	19.68	20.14	20.29	20.18	20.17						
15	16QAM	36	20	19.72	20.10	20.24	20.06	20.23	20.75	0				
15	16QAM	36	36	19.68	20.10	20.27	20.08	20.28						
15	16QAM	75	0	19.76	20.08	20.39	20.02	20.12						
Channel				39700	40160	40620	41080	41540	Turn-up limit (dBm)		MPR (dB)			
Frequency (MHz)				2501	2547	25903	2639	2685						
10	QPSK	1	0	19.66	20.05	20.25	20.11	20.28						
10	QPSK	1	25	19.69	20.08	20.38	19.98	20.20						
10	QPSK	1	49	19.85	20.06	20.35	20.23	20.20						
10	QPSK	25	0	19.65	20.02	20.35	20.02	20.18						
10	QPSK	25	12	19.63	19.91	20.26	20.09	20.19						
10	QPSK	25	25	19.63	19.95	20.38	20.13	20.28	20.75	0				
10	QPSK	50	0	19.79	20.05	20.31	20.09	20.19						
10	16QAM	1	0	19.70	20.03	20.33	19.98	20.20						
10	16QAM	1	25	19.79	20.11	20.19	20.15	20.12						
10	16QAM	1	49	19.74	20.03	20.34	20.05	20.17						
10	16QAM	25	0	19.75	20.04	20.30	20.18	20.20						
10	16QAM	25	12	19.66	20.10	20.22	20.11	20.17						
10	16QAM	25	25	19.72	19.95	20.25	20.03	20.21	20.75	0				
10	16QAM	50	0	19.70	20.03	20.35	20.00	20.25						
10	16QAM	1	0	19.73	20.03	20.19	20.15	20.23						
10	16QAM	1	25	19.65	20.05	20.28	20.10	20.12	20.75	0				
10	16QAM	1	49	19.70	20.08	20.14	20.07	20.14						
10	16QAM	25	0	19.67	20.08	20.33	20.04	20.09						
10	16QAM	25	12	19.61	20.10	20.30	20.15	20.19						
10	16QAM	25	25	19.65	20.01	20.18	20.02	20.19	20.75	0				
10	16QAM	50	0	19.72	19.96	20.30	19.99	20.17						
Channel				39675	40160	40620	41093	41565	Turn-up limit (dBm)		MPR (dB)			
Frequency (MHz)				2498.5	2545.3	25903	2640.3	2685.5						
5	QPSK	1	0	19.69	20.03	20.34	20.10	20.30						
5	QPSK	1	12	19.77	20.05	20.20	19.98	20.18	20.75	0				
5	QPSK	1	24	19.83	20.09	20.35	20.15	20.26						
5	QPSK	12	0	19.70	19.94	20.22	20.02	20.11						
5	QPSK	12	7	19.70	19.91	20.13	19.99	20.10						
5	QPSK	12	13	19.71	20.03	20.36	20.08	20.24	20.75	0				
5	QPSK	25	0	19.73	20.06	20.23	20.11	20.22						
5	16QAM	1	0	19.79	20.04	20.23	20.07	20.32						
5	16QAM	1	12	19.71	20.10	20.17	20.07	20.14						
5	16QAM	1	24	19.73	19.98	20.25	20.10	20.10						
5	16QAM	12	0	19.71	20.01	20.30	20.13	20.13						
5	16QAM	12	7	19.68	19.92	20.32	20.18	20.22						
5	16QAM	12	13	19.70	20.07	20.30	20.04	20.15	20.75	0				
5	16QAM	25	0	19.83	19.93	20.37	19.95	20.21						
5	16QAM	1	0	19.69	20.01	20.28	20.05	20.21	20.75	0				
5	16QAM	1	12	19.70	20.10	20.24	20.04	20.16						
5	16QAM	1	24	19.75	20.13	20.25	19.99	20.26						
5	16QAM	12	0	19.66	20.14	20.34	20.06	20.09						
5	16QAM	12	7	19.73	20.11	20.26	20.17	20.28						
5	16QAM	12	13	19.69	20.00	20.29	19.98	20.27						
5	16QAM	25	0	19.82	19.96	20.32	20.02	20.09						

Band 41_Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid Ch. Freq.	Power Mid Ch. Freq.	Power High Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40165	40620	41085	41490						
Frequency (MHz)				2501.5	2548.3	2593.8	2639.5	2685.5						
20	QPSK	1	0	24.47	24.30	23.68	23.03	23.14						
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13	25	0				
20	QPSK	1	99	24.76	24.38	23.68	23.03	23.16						
20	QPSK	50	0	23.69	23.51	22.86	22.24	22.16						
20	QPSK	50	24	23.76	23.59	22.73	22.23	22.17	24	1				
20	QPSK	50	59	23.82	23.67	22.73	22.23	22.25						
20	QPSK	100	0	23.70	23.53	22.75	22.18	22.17						
20	16QAM	1	0	23.75	23.75	23.05	22.30	22.38						
20	16QAM	1	49	23.87	23.70	22.85	22.38	22.37	24	1				
20	16QAM	50	24	23.86	23.66	22.85	22.38	22.37						
20	16QAM	50	0	22.70	22.66	21.89	21.23	21.28						
20	16QAM	50	24	22.82	22.81	21.80	21.20	21.26						
20	16QAM	50	50	22.86	22.60	21.71	21.21	21.16						
20	16QAM	100	0	22.79	22.56	21.78	21.21	21.19						
20	64QAM	1	0	22.81	22.58	21.78	21.21	21.24						
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24	23	2				
20	64QAM	1	99	22.82	22.62	21.64	21.06	21.15						
20	64QAM	50	0	21.68	21.60	20.85	20.24	20.22						
20	64QAM	50	24	21.78	21.59	20.78	20.19	20.24						
20	64QAM	50	50	21.82	21.97	20.88	20.16	20.13	22	3				
20	64QAM	100	0	21.80	21.55	20.77	20.17	20.18						
Channel				39725 <th>40173</th> <th>40620</th> <th>41068</th> <th>41515</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	24.34	24.18	23.64	23.14	23.05						
15	QPSK	1	49	24.62	24.24	23.58	23.03	23.08	25	0				
15	QPSK	1	74	24.65	24.24	23.64	23.16	23.15						
15	QPSK	36	0	23.68	23.44	22.74	22.30	22.01						
15	QPSK	36	20	23.72	23.54	22.61	22.42	22.04						
15	QPSK	36	39	23.72	23.58	22.61	22.40	22.13	24	1				
15	QPSK	36	59	23.75	23.61	22.61	22.11	22.11						
15	16QAM	1	0	23.69	23.73	23.00	22.45	22.34						
15	16QAM	1	37	23.62	23.58	22.83	22.65	22.30	24	1				
15	16QAM	1	74	23.82	23.50	22.79	22.29	22.14						
15	16QAM	36	0	22.56	22.56	21.83	21.27	21.25						
15	16QAM	36	24	22.74	22.56	21.78	21.27	21.26	23	2				
15	16QAM	36	39	22.80	22.45	21.66	21.32	21.01						
15	16QAM	75	0	22.75	22.47	21.73	21.26	21.07						
15	64QAM	1	0	22.60	22.62	21.76	21.37	21.14						
15	64QAM	1	37	22.68	22.56	21.65	21.27	21.17	23	2				
15	64QAM	1	74	22.69	22.31	21.54	21.24	21.09						
15	64QAM	36	0	21.67	21.52	20.81	20.37	20.15						
15	64QAM	36	20	21.65	21.47	20.64	20.34	20.16	22	3				
15	64QAM	36	20	21.75	21.46	20.53	20.25	20.13						
15	64QAM	75	0	21.60	21.54	20.80	20.30	20.13						
Channel				39760	40160	40620	41060	41560	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2501 <th>2547<th>2593</th><th>2639</th><th>2685</th><th></th><th></th></th>	2547 <th>2593</th> <th>2639</th> <th>2685</th> <th></th> <th></th>	2593	2639	2685						
10	QPSK	1	0	24.40	24.27	23.58	23.20	23.04						
10	QPSK	1	25	24.59	24.14	23.49	23.13	23.02						
10	QPSK	1	49	24.74	24.27	23.58	23.15	23.02	25	0				
10	QPSK	25	0	23.54	23.47	22.81	22.43	22.13						
10	QPSK	25	12	23.71	23.48	22.66	22.32	22.16	24	1				
10	QPSK	25	25	23.68	23.63	22.80	22.40	22.17						
10	QPSK	50	0	23.71	23.38	22.72	22.28	22.06						
10	QPSK	50	12	23.70	23.74	22.81	22.40	22.29						
10	16QAM	1	0	23.75	23.55	22.81	22.40	22.33	24	1				
10	16QAM	1	49	23.76	23.57	22.75	22.28	22.12						
10	16QAM	25	0	22.67	22.53	21.74	21.28	21.22						
10	16QAM	25	12	22.73	22.54	21.70	21.38	21.24	23	2				
10	16QAM	25	24	22.78	22.54	21.70	21.37	21.11						
10	16QAM	50	0	22.65	22.52	21.75	21.26	21.11						
10	64QAM	1	0	22.49	22.49	21.83	21.36	21.14						
10	64QAM	1	25	22.72	22.57	21.67	21.35	21.14	23	2				
10	64QAM	1	49	22.72	22.28	21.57	21.19	21.13						
10	64QAM	25	0	21.62	21.48	20.87	20.38	20.18						
10	64QAM	25	12	21.73	21.50	20.77	20.34	20.12						
10	64QAM	25	24	21.74	21.54	20.62	20.34	20.05						
10	64QAM	50	0	21.76	21.45	20.68	20.35	20.12						
Channel				39675 <th>40160</th> <th>40620</th> <th>41095.2</th> <th>41567.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40160	40620	41095.2	41567.5	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2498.5	2545.8	2591.3	2640.9	2687.7						
5	QPSK	1	0	24.44	24.26	23.55	23.15	23.11						
5	QPSK	1	12	24.58	24.16	23.57	23.22	23.07	25	0				
5	QPSK	1	24	24.67	24.30	23.54	23.25	23.12						
5	QPSK	12	0	23.66	23.45	22.84	22.30	22.01						
5	QPSK	12	7	23.76	23.53	22.83	22.32	22.00						
5	QPSK	13	0	23.74	23.53	22.77	22.45	22.20	24	1				
5	QPSK	25	0	23.76	23.48	22.63	22.31	22.17						
5	16QAM	1	0	23.60	23.65	22.98	22.44	22.34						
5	16QAM	1	12	23.65	23.64	22.85	22.51	22.30	24	1				
5	16QAM	12	7	23.71	23.46	22.75	22.37	22.16						
5	16QAM	12	0	22.61	22.56	21.87	21.39	21.14						
5	16QAM	12	7	22.72	22.51	21.79	21.36	21.24						
5	16QAM	12	13	22.71	22.59	21.60	21.26	21.01	23	2				
5	16QAM	25	0	22.73	22.58	21.73	21.31	21.09						
5	64QAM	1	0	22.46	22.46	21.80	21.37	21.22						
5	64QAM	1	12	22.67	22.53	21.63	21.33	21.16	23	2				
5	64QAM	1	24	22.69	22.31	21.56	21.13	21.14						
5	64QAM	12	0	21.53	21.55	20.84	20.38	20.14						
5	64QAM	12	7	21.73	21.55	20.87	20.39	20.16						
5	64QAM	12	13	21.75	21.55	20.57	20.35	20.02	22	3				
5	64QAM	25	0	21.65	21.45	20.64	20.29	20.13						

Band 2_Ant 4																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)									
Channel																	
Frequency (MHz)																	
				18700	18800	19100											
				18800	18800	19000											
20	QPSK	1	0	23.05	23.08	22.85	24.5	0									
20	QPSK	1	49	22.89	22.73	22.84											
20	QPSK	1	99	22.79	22.82	22.75											
20	QPSK	50	0	22.97	22.87	22.97											
20	QPSK	50	24	21.93	21.77	21.74	23.5	1									
20	QPSK	50	50	21.96	21.99	21.79											
20	QPSK	100	0	21.88	21.95	21.76											
20	16QAM	1	0	22.10	21.86	21.89											
20	16QAM	1	49	22.12	22.26	21.86	23.5	1									
20	16QAM	1	99	22.11	22.05	22.03											
20	16QAM	50	0	21.04	20.88	20.73											
20	16QAM	50	24	20.98	20.77	20.82											
20	16QAM	50	50	20.91	21.05	20.84	22.5	2									
20	16QAM	100	0	20.94	20.74	20.75											
20	84QAM	1	0	20.88	21.10	21.04											
20	84QAM	1	49	21.10	20.78	20.95											
20	84QAM	1	99	21.61	20.91	20.98	21.5	3									
20	84QAM	50	0	20.03	19.86	19.74											
20	84QAM	50	24	19.98	19.75	19.79											
20	84QAM	50	50	19.92	19.98	19.78											
20	84QAM	100	0	19.95	19.76	19.76											
Channel																	
Frequency (MHz)																	
				18675	18900	19125											
				18675	18800	19025											
15	QPSK	1	0	23.00	23.01	22.81	24.5	0									
15	QPSK	1	39	22.97	22.87	22.87											
15	QPSK	1	74	22.85	22.80	22.85											
15	QPSK	36	0	21.89	21.87	21.76											
15	QPSK	36	20	21.88	21.86	21.66	23.5	1									
15	QPSK	36	39	21.90	21.91	21.68											
15	QPSK	75	0	21.75	21.82	21.62											
15	16QAM	1	0	21.97	21.85	21.85											
15	16QAM	1	37	22.10	22.02	21.75	23.5	1									
15	16QAM	1	74	21.97	22.00	21.96											
15	16QAM	36	0	21.01	20.87	20.88											
15	16QAM	36	20	20.98	20.85	20.78											
15	16QAM	36	39	20.85	21.02	20.73	22.5	2									
15	16QAM	75	0	20.93	20.61	20.61											
15	84QAM	1	0	20.76	21.05	21.01											
15	84QAM	1	37	20.99	20.85	20.87											
15	84QAM	1	74	20.94	20.84	20.85	21.5	3									
15	84QAM	36	0	19.97	19.79	19.71											
15	84QAM	36	20	19.94	19.85	19.72											
15	84QAM	36	39	19.88	19.94	19.65											
15	84QAM	75	0	19.83	19.75	19.72											
Channel																	
Frequency (MHz)																	
				18650	18900	19150											
				18650	18800	19050											
10	QPSK	1	0	22.90	22.93	22.83	24.5	0									
10	QPSK	1	25	22.76	22.59	22.70											
10	QPSK	1	49	22.72	22.79	22.61											
10	QPSK	25	0	21.87	21.86	21.74											
10	QPSK	25	12	21.84	21.84	21.64	23.5	1									
10	QPSK	25	25	21.83	21.89	21.64											
10	QPSK	50	0	21.80	21.93	21.61											
10	16QAM	1	0	22.07	21.78	21.86											
10	16QAM	1	25	22.02	22.02	21.81	23.5	1									
10	16QAM	1	49	22.06	21.99	21.94											
10	16QAM	25	0	20.98	20.78	20.98											
10	16QAM	25	12	20.89	20.74	20.81											
10	16QAM	25	25	20.87	21.04	20.82	22.5	2									
10	16QAM	50	0	20.82	20.61	20.63											
10	84QAM	1	0	20.73	21.00	21.03											
10	84QAM	1	25	20.98	20.77	20.98											
10	84QAM	1	49	20.99	20.83	20.89	21.5	3									
10	84QAM	25	0	19.92	19.84	19.62											
10	84QAM	25	12	19.96	19.73	19.70											
10	84QAM	25	25	19.78	19.97	19.74											
10	84QAM	50	0	19.86	19.77	19.63											
Channel																	
Frequency (MHz)																	
				18625	18900	19175											
				18625	18800	19075											
5	QPSK	1	0	23.04	23.01	22.78	24.5	0									
5	QPSK	1	12	22.79	22.72	22.70											
5	QPSK	1	24	22.66	22.78	22.72											
5	QPSK	12	0	21.86	21.88	21.68											
5	QPSK	12	7	21.81	21.70	21.68	23.5	1									
5	QPSK	12	13	21.88	21.86	21.69											
5	QPSK	25	0	21.84	21.95	21.67											
5	16QAM	1	0	22.03	21.83	21.96											
5	16QAM	1	12	22.08	21.98	21.79	23.5	1									
5	16QAM	1	24	21.99	21.94	21.96											
5	16QAM	12	0	21.02	20.85	20.71											
5	16QAM	12	7	20.99	20.72	20.72											
5	16QAM	12	13	20.93	20.96	20.79	22.5	2									
5	16QAM	25	0	20.85	20.66	20.73											
5	84QAM	1	0	20.94	21.01	21.01											
5	84QAM	1	12	21.02	20.73	20.94											
5	84QAM	1	24	20.92	20.87	20.90	21.5	3									
5	84QAM	12	0	19.94	19.74	19.68											
5	84QAM	12	7	19.88	19.71	19.67											
5	84QAM	12	13	19.78	19.90	19.71											
5	84QAM	25	0	19.85	19.75	19.74											
Channel																	
Frequency (MHz)																	
				18615	18900	19165											
				18615	18800	19065											
3	QPSK	1	0	23.02	23.07	22.73	24.5	0									
3	QPSK	1	8	22.91	22.82	22.79											
3	QPSK	1	14	22.72	22.77	22.74											
3	QPSK	8	0	21.89	21.96	21.75											
3	QPSK	8	4	21.87	21.88	21.73	23.5	1									
3	QPSK	8	7	21.85	21.90	21.75											
3	QPSK	15	0	21.79	21.87	21.64											
3	16QAM	1	0	22.07	21.83	21.87											
3	16QAM	1	8	22.07	22.03	21.72	23.5	1									
3	16QAM	1	14	21.96	22.01	21.95											
3	16QAM	8	0	20.99	20.74	20.67											
3	16QAM	8	7	20.92	20.73	20.75											
3	16QAM	8	7	20.76	20.95	20.73	22.5	2									
3	16QAM	15	0	20.80	20.87	20.63											
3	84QAM	1	0	20.89	21.04	21.04											
3	84QAM	1	8	21.09	20.74	20.89											
3	84QAM	1	14	20.95	20.78	20.94	21.5	3									
3	84QAM	8	0	19.91	19.78	19.71											
3	84QAM	8	4	19.92	19.62	19.72											
3	84QAM	8	7	19.84	19.89	19.78											
3	84QAM	15	0	19.89	19.70	19.70											
Channel																	
Frequency (MHz)																	
				18607	18900	19163											
				18607	18800	19063											
1.4	QPSK	1	0	22.98	23.01	22.77	24.5	0									
1.4	QPSK	1	3	22.83	22.87	22.78											
1.4	QPSK	1	5	22.71	22.74	22.66											
1.4	QPSK	1	23.05	23.01	22.73												
1.4	QPSK	3	1	22.79	22.67	22.77	23.5	1									
1.4	QPSK	3	3	22.69	22.58	22.68											
1.4	QPSK	6	0	21.76	21.96	21.67											
1.4	16QAM	1	0	21.78	22.05	21.89											
1.4	16QAM	3	1	21.75	21.96	21.78	23.5	1									
1.4	16QAM	3	3	21.81	21.98	21.94											
1.4	16QAM	3	5	21.89	21.93	21.75											
1.4	16QAM	3	21.84	21.86	21.69												
1.4	16QAM	3	3	21.86	21.59	21.73	22.5	2									
1.4	16QAM	6	0	20.89	20.66	20.69											
1.4	84QAM	1	0	21.05	21.04	20.99											
1.4	84QAM	1	3	20.91	20.72	20.89											
1.4	84QAM	1	5	20.95	20.79	20.95	22.5	2									
1.4	84QAM	3	0	20.96	20.80	20.67											
1.4	84QAM	3	1	20.94	20.72	20.84											
1.4	84QAM	3	3	20.83	20.63	20.75											
1.4	84QAM	6	0	20.66	19.70	19.70	21.5	3									
1.4	84QAM	6	3	20.93	20.67	20.75											
1.4	84QAM	6	5	20.93	20.67	20.75											
1.4	84QAM	6	21.86	20.93	20.67	20.75											

Band 5_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2050	20500	20600						
10	QPSK	1	0	23.82	23.85	23.84	26	0				
10	QPSK	1	25	23.80	23.83	23.72						
10	QPSK	1	49	23.78	23.72	23.72						
10	QPSK	25	0	22.83	22.87	22.80						
10	QPSK	25	12	22.80	22.84	22.78						
10	QPSK	25	25	22.82	22.83	22.77	24	1				
10	QPSK	50	0	22.81	22.83	22.77						
10	16QAM	1	0	23.83	23.85	23.88						
10	16QAM	1	25	23.86	23.88	22.95						
10	16QAM	1	49	23.85	23.87	22.96						
10	16QAM	25	0	21.80	21.87	21.83	23	2				
10	16QAM	25	12	21.81	21.79	21.76						
10	16QAM	25	25	21.82	21.82	21.74						
10	16QAM	25	1	21.82	21.80	21.78						
10	16QAM	1	0	21.90	21.86	22.03						
10	64QAM	1	25	21.88	21.96	21.88	23	2				
10	64QAM	1	49	21.87	21.99	21.87						
10	64QAM	25	0	20.82	20.83	20.79						
10	64QAM	25	1	20.77	20.78	20.74						
10	64QAM	25	25	20.83	20.79	20.72						
10	64QAM	50	0	20.83	20.79	20.77						
Channel												
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.73	23.82	23.74	26			0		
5	QPSK	1	25	23.71	23.77	23.72						
5	QPSK	1	24	23.68	23.64	23.67						
5	QPSK	12	0	22.77	22.81	22.76						
5	QPSK	12	7	22.78	22.79	22.71						
5	QPSK	12	13	22.77	22.77	22.69	24	1				
5	QPSK	25	0	22.71	22.76	22.72						
5	16QAM	1	0	22.96	22.95	22.99						
5	16QAM	1	12	22.88	23.00	22.92						
5	16QAM	1	24	22.97	22.92	22.90						
5	16QAM	12	0	21.70	21.82	21.78	23	2				
5	16QAM	12	7	21.68	21.86	21.66						
5	16QAM	12	13	21.70	21.75	21.65						
5	16QAM	25	0	21.77	21.78	21.71						
5	64QAM	1	0	21.81	21.81	21.97						
5	64QAM	1	12	21.85	21.86	21.78	23	2				
5	64QAM	1	24	21.88	21.91	21.78						
5	64QAM	12	0	20.73	20.77	20.73						
5	64QAM	12	7	20.69	20.70	20.64						
5	64QAM	12	13	20.78	20.73	20.62						
5	64QAM	25	0	20.74	20.72	20.67						
Channel												
Frequency (MHz)				20415	20525	20635						
3	QPSK	1	0	23.73	23.83	23.77	26			0		
3	QPSK	1	8	23.74	23.74	23.62						
3	QPSK	1	14	23.72	23.68	23.64						
3	QPSK	8	0	22.76	22.79	22.75						
3	QPSK	8	7	22.77	22.76	22.73						
3	QPSK	15	0	22.73	22.78	22.67	24	1				
3	16QAM	1	0	22.96	22.98	22.98						
3	16QAM	1	8	22.89	22.98	22.92						
3	16QAM	1	14	22.98	22.89	22.89						
3	16QAM	8	0	21.78	21.77	21.74						
3	16QAM	8	4	21.72	21.71	21.71	23	2				
3	16QAM	8	7	21.75	21.76	21.65						
3	16QAM	15	0	21.77	21.76	21.68						
3	64QAM	1	0	21.85	21.81	21.87						
3	64QAM	1	5	21.81	21.88	21.80						
3	64QAM	1	14	21.89	21.90	21.77	22	3				
3	64QAM	8	0	20.78	20.78	20.71						
3	64QAM	8	4	20.72	20.66	20.65						
3	64QAM	8	7	20.73	20.69	20.66						
3	64QAM	15	0	20.74	20.75	20.72						
Channel												
Frequency (MHz)				20467	20525	20583						
1.4	QPSK	1	0	23.77	23.84	23.75	26			0		
1.4	QPSK	1	3	23.73	23.78	23.62						
1.4	QPSK	1	5	23.71	23.63	23.63						
1.4	QPSK	3	0	23.77	23.81	23.75						
1.4	QPSK	3	1	23.71	23.74	23.63						
1.4	QPSK	3	3	23.69	23.83	23.65	24	1				
1.4	QPSK	6	0	22.71	22.78	22.68						
1.4	16QAM	1	0	22.96	22.96	23.02						
1.4	16QAM	1	3	22.91	23.01	23.02						
1.4	16QAM	1	5	22.96	22.92	22.88						
1.4	16QAM	3	0	22.78	22.78	22.76	24	1				
1.4	16QAM	3	1	22.72	22.79	22.72						
1.4	16QAM	3	3	22.73	22.76	22.68						
1.4	16QAM	6	0	21.73	21.78	21.70						
1.4	16QAM	6	0	21.80	21.76	21.96						
1.4	64QAM	1	3	21.81	21.80	21.83	23	2				
1.4	64QAM	1	5	21.87	21.83	21.80						
1.4	64QAM	3	0	21.72	21.82	21.76						
1.4	64QAM	3	1	21.76	21.71	21.71						
1.4	64QAM	3	3	21.73	21.77	21.67						
1.4	64QAM	6	0	20.78	20.72	20.71	22	3				

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2610	2535	2565			
20	QPSK	1	0	23.61	23.66	23.29	24.5	0	
20	QPSK	1	49	23.60	23.30	22.96			
20	QPSK	1	99	23.60	23.25	23.08			
20	QPSK	50	0	22.73	22.77	22.59	23.5	1	
20	QPSK	50	24	22.72	22.48	21.90			
20	QPSK	50	50	22.83	22.34	22.01			
20	QPSK	100	0	22.82	22.63	22.05	22.5	1	
20	16QAM	1	0	22.94	22.49	22.51			
20	16QAM	1	49	22.40	22.46	21.81			
20	16QAM	1	99	22.41	22.21	21.95	22.5	2	
20	16QAM	50	0	21.54	21.57	20.97			
20	16QAM	50	24	21.88	21.46	20.96			
20	16QAM	50	50	21.70	21.34	20.85	22.5	2	
20	16QAM	100	0	21.54	21.58	20.88			
20	64QAM	1	0	21.59	21.54	20.94			
20	64QAM	1	49	21.83	21.72	20.87	22.5	2	
20	64QAM	1	99	21.88	21.26	20.82			
20	64QAM	50	0	20.59	20.68	19.80			
20	64QAM	50	24	20.87	20.40	19.97	21.5	3	
20	64QAM	50	50	20.74	20.31	19.95			
20	64QAM	100	0	20.87	20.42	19.86			
Channel				20625 <th>21100<th>21375<th>Turn-up time (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	21100 <th>21375<th>Turn-up time (dBm)</th><th colspan="2">MPR (dB)</th></th>	21375 <th>Turn-up time (dBm)</th> <th colspan="2">MPR (dB)</th>	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <th>2535<th>2562.5<th></th><th></th><th></th></th></th>	2535 <th>2562.5<th></th><th></th><th></th></th>	2562.5 <th></th> <th></th> <th></th>			
15	QPSK	1	0	23.53	23.60	23.18	24.5	0	
15	QPSK	1	37	23.52	23.40	22.85			
15	QPSK	1	74	23.56	23.22	22.95			
15	QPSK	36	0	22.63	22.72	21.99	23.5	1	
15	QPSK	36	20	22.60	22.38	21.95			
15	QPSK	36	59	22.62	22.25	21.88			
15	16QAM	1	0	22.54	22.58	21.93	22.5	1	
15	16QAM	1	0	22.45	22.43	21.91			
15	16QAM	1	37	22.25	22.38	21.89			
15	16QAM	1	74	22.26	22.13	21.80	22.5	2	
15	16QAM	36	0	21.40	21.47	20.82			
15	16QAM	36	20	21.66	21.33	20.90			
15	16QAM	36	59	21.66	21.19	20.87	22.5	2	
15	16QAM	75	0	21.55	21.30	20.90			
15	16QAM	1	0	21.50	21.42	20.92			
15	64QAM	1	37	21.60	21.58	20.82	22.5	2	
15	64QAM	1	74	21.63	21.18	20.82			
15	64QAM	36	0	20.57	20.55	19.90			
15	64QAM	36	20	20.59	20.31	19.82	21.5	3	
15	64QAM	36	59	20.56	20.17	19.83			
15	64QAM	75	0	20.55	20.35	19.93			
Channel				20600	21100	21400	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				25050	25350	2565			
10	QPSK	1	0	23.54	23.65	23.26	24.5	0	
10	QPSK	1	25	23.58	23.37	22.87			
10	QPSK	1	49	23.54	23.13	23.04			
10	QPSK	12	0	22.63	22.71	21.98	23.5	1	
10	QPSK	25	12	22.71	22.47	21.82			
10	QPSK	25	25	22.53	22.26	21.96			
10	QPSK	50	0	22.49	22.50	21.99	22.5	1	
10	16QAM	1	0	22.52	22.48	21.88			
10	16QAM	1	25	22.27	22.36	21.95			
10	16QAM	1	49	22.28	22.19	21.89	22.5	2	
10	16QAM	25	0	21.53	21.56	20.88			
10	16QAM	25	12	21.62	21.45	20.90			
10	16QAM	25	25	21.56	21.28	20.85	22.5	2	
10	16QAM	50	0	21.55	21.38	20.82			
10	64QAM	1	0	21.45	21.43	20.81			
10	64QAM	1	25	21.68	21.37	20.85	22.5	2	
10	64QAM	1	49	21.73	21.25	20.86			
10	64QAM	1	24	21.38	21.05	20.83			
10	64QAM	25	12	20.52	20.42	19.85	21.5	3	
10	64QAM	25	25	20.44	20.25	19.89			
10	64QAM	50	0	20.61	20.31	19.83			
Channel				20575 <th>21100<th>21425</th><th>Turn-up time (dBm)</th><th colspan="2">MPR (dB)</th></th>	21100 <th>21425</th> <th>Turn-up time (dBm)</th> <th colspan="2">MPR (dB)</th>	21425	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				25025 <th>25350</th> <th>25675</th> <th></th> <th></th> <th></th>	25350	25675			
5	QPSK	1	0	23.57	23.67	23.27	24.5	0	
5	QPSK	1	24	23.54	23.40	22.85			
5	QPSK	1	24	23.52	23.12	22.96			
5	QPSK	12	0	22.68	22.88	22.10	23.5	1	
5	QPSK	12	7	22.82	22.67	21.89			
5	QPSK	12	13	22.62	22.38	21.49			
5	QPSK	25	0	22.56	22.58	21.99	22.5	1	
5	16QAM	1	0	22.46	22.42	21.99			
5	16QAM	1	12	22.29	22.48	21.86			
5	16QAM	1	24	22.38	21.71	21.97	22.5	1	
5	16QAM	12	0	21.48	21.54	20.85			
5	16QAM	12	7	21.64	21.43	20.89			
5	16QAM	12	13	21.82	21.30	20.93	22.5	2	
5	16QAM	25	0	21.48	21.25	20.96			
5	16QAM	1	0	21.48	21.48	20.88			
5	64QAM	1	12	21.71	21.63	20.95	22.5	2	
5	64QAM	1	24	21.86	21.54	20.88			
5	64QAM	12	0	20.50	20.42	19.84			
5	64QAM	12	7	20.65	20.39	19.87	21.5	3	
5	64QAM	12	13	20.69	20.17	19.90			
5	64QAM	25	0	20.61	20.40	19.88			



Band 12_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Med Ch / Freqs	Power High Ch / Freqs	Turn-up (dB)	MPR (dB)			
Channel											
Frequency (MHz)				23060	23065	23150					
				704	707.5	711					
10	QPSK	1	0	23.35	23.40	23.35					
10	QPSK	1	25	23.20	23.23	23.32	24.5	0			
10	QPSK	1	40	23.30	23.33	23.33					
10	QPSK	25	0	22.23	22.27	22.25					
10	QPSK	25	12	22.20	22.23	22.20	23.5	1			
10	QPSK	25	25	22.21	22.26	22.25					
10	QPSK	50	0	22.23	22.32	22.31					
10	16QAM	1	0	22.36	22.29	22.59					
10	16QAM	1	25	22.34	22.47	22.51	23.5	1			
10	16QAM	1	40	22.40	22.49	22.60					
10	16QAM	25	0	21.17	21.18	21.27					
10	16QAM	25	12	21.14	21.23	21.26	22.5	2			
10	16QAM	25	25	21.17	21.26	21.33					
10	16QAM	50	0	21.10	21.16	21.29					
10	16QAM	1	0	21.32	21.36	21.37					
10	64QAM	1	25	21.22	21.44	21.48	22.5	2			
10	64QAM	1	40	21.33	21.41	21.52					
10	64QAM	25	0	20.21	20.20	20.27					
10	64QAM	25	12	20.20	20.28	20.34	21.5	3			
10	64QAM	25	25	20.24	20.27	20.31					
10	64QAM	50	0	20.22	20.27	20.31					
Channel											
Frequency (MHz)				23035	23065	23155	Turn-up (dB)	MPR (dB)			
				701.5	707.5	713.5					
5	QPSK	1	0	23.25	23.36	23.22					
5	QPSK	1	25	23.11	23.12	23.17	24.5	0			
5	QPSK	1	24	23.20	23.26	23.18					
5	QPSK	12	0	22.12	22.26	22.22					
5	QPSK	12	7	22.18	22.16	22.27	23.5	1			
5	QPSK	25	0	22.10	22.31	22.21					
5	16QAM	1	0	22.28	22.20	22.46					
5	16QAM	1	12	22.19	22.39	22.43	23.5	1			
5	16QAM	1	24	22.41	22.42	22.45					
5	16QAM	12	0	21.00	21.12	21.12					
5	16QAM	12	7	21.02	21.26	21.29	22.5	2			
5	16QAM	12	13	21.14	21.14	21.31					
5	16QAM	25	0	21.13	21.13	21.14					
5	64QAM	1	0	21.22	21.26	21.36					
5	64QAM	1	12	21.16	21.42	21.46	22.5	2			
5	64QAM	1	24	21.28	21.36	21.39					
5	64QAM	12	0	20.12	20.17	20.22					
5	64QAM	12	7	20.13	20.13	20.28	21.5	3			
5	64QAM	12	13	20.06	20.16	20.18					
5	64QAM	25	0	20.16	20.24	20.28					
Channel											
Frequency (MHz)				23025	23065	23165	Turn-up (dB)	MPR (dB)			
				701.5	707.5	713.5					
3	QPSK	1	0	23.20	23.30	23.30					
3	QPSK	1	8	23.19	23.11	23.25	24.5	0			
3	QPSK	1	14	23.25	23.19	23.28					
3	QPSK	8	0	22.24	22.24	22.29					
3	QPSK	8	4	22.12	22.10	22.21	23.5	1			
3	QPSK	8	7	22.10	22.18	22.18					
3	QPSK	15	0	22.20	22.26	22.29					
3	16QAM	1	0	22.22	22.21	22.40					
3	16QAM	1	8	22.29	22.28	22.44	23.5	1			
3	16QAM	1	14	22.36	22.42	22.36					
3	16QAM	8	0	21.10	21.10	21.19					
3	16QAM	8	4	21.11	21.10	21.13	22.5	2			
3	16QAM	8	7	21.11	21.18	21.25					
3	16QAM	15	0	21.10	21.17	21.20					
3	64QAM	1	0	21.19	21.23	21.35					
3	64QAM	1	5	21.10	21.31	21.45	22.5	2			
3	64QAM	1	14	21.27	21.29	21.47					
3	64QAM	8	0	20.15	20.11	20.16					
3	64QAM	8	4	20.15	20.09	20.23	21.5	3			
3	64QAM	8	7	20.23	20.16	20.21					
3	64QAM	15	0	20.12	20.15	20.24					
Channel											
Frequency (MHz)				23017	23065	23173	Turn-up (dB)	MPR (dB)			
				699.7	707.5	716.3					
1.4	QPSK	1	0	23.28	23.32	23.34					
1.4	QPSK	1	3	23.14	23.15	23.25	24.5	0			
1.4	QPSK	1	5	23.20	23.23	23.27					
1.4	QPSK	3	0	23.28	23.31	23.34					
1.4	QPSK	3	1	23.09	23.14	23.21					
1.4	QPSK	3	3	23.23	23.25	23.26					
1.4	QPSK	6	0	22.13	22.26	22.22	23.5	1			
1.4	16QAM	1	0	22.28	22.21	22.40					
1.4	16QAM	1	3	22.27	22.41	22.41					
1.4	16QAM	1	5	22.39	22.39	22.51	23.5	1			
1.4	16QAM	3	0	22.18	22.29	22.34					
1.4	16QAM	3	1	22.14	22.19	22.21					
1.4	16QAM	3	3	22.13	22.19	22.15	22.5	2			
1.4	16QAM	6	0	21.11	21.09	21.19					
1.4	64QAM	1	0	21.24	21.26	21.28					
1.4	64QAM	1	3	21.13	21.36	21.37					
1.4	64QAM	1	5	21.27	21.31	21.45	22.5	2			
1.4	64QAM	3	0	21.09	21.12	21.21					
1.4	64QAM	3	1	21.07	21.13	21.16					
1.4	64QAM	3	3	21.08	21.15	21.24					
1.4	64QAM	6	0	20.11	20.17	20.24	21.5	3			

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Middle Ch / Freqs	Power High Ch / Freqs	Turn-up (ant. dBm)	MPR (dB)			
Channel				26765	26865	26965		44.5			
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	23.72	23.77	23.72					
15	QPSK	1	37	23.69	23.68	23.64	25	0			
15	QPSK	1	74	23.71	23.71	23.60					
15	QPSK	36	0	22.65	22.70	22.65					
15	QPSK	36	20	22.63	22.59	22.58					
15	QPSK	36	39	22.65	22.61	22.54	24	1			
15	QPSK	75	0	22.67	22.68	22.62					
15	16QAM	1	0	22.91	22.96	22.91					
15	16QAM	1	37	22.92	22.96	22.79	24	1			
15	16QAM	1	74	22.92	22.84	22.83					
15	16QAM	36	0	21.67	21.61	21.62					
15	16QAM	36	20	21.59	21.61	21.59	23	2			
15	16QAM	36	39	21.66	21.64	21.55					
15	16QAM	75	0	21.65	21.65	21.63					
15	16QAM	1	0	21.70	21.65	21.68					
15	16QAM	1	37	21.73	21.63	21.79	23	2			
15	16QAM	1	74	21.76	21.64	21.66					
15	16QAM	36	0	20.65	20.63	20.67					
15	16QAM	36	20	20.61	20.65	20.62	22	3			
15	16QAM	36	39	20.67	20.65	20.56					
Channel				26760	26860	26960					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	23.65	23.73	23.58					
10	QPSK	1	25	23.68	23.68	23.60	25	0			
10	QPSK	1	49	23.69	23.64	23.46					
10	QPSK	36	0	22.58	22.64	22.59					
10	QPSK	25	12	22.58	22.49	22.47					
10	QPSK	25	25	22.53	22.51	22.51	24	1			
10	QPSK	50	0	22.65	22.54	22.51					
10	16QAM	1	0	22.83	22.91	22.77	24	1			
10	16QAM	1	49	22.80	22.73	22.72					
10	16QAM	25	0	21.80	21.48	21.61					
10	16QAM	25	12	21.55	21.58	21.47	23	2			
10	16QAM	25	25	21.62	21.60	21.41					
10	16QAM	50	0	21.62	21.62	21.40					
10	16QAM	1	0	21.63	21.50	21.84	23	2			
10	16QAM	1	25	21.65	21.71	21.72					
10	16QAM	1	49	21.74	21.58	21.64					
10	16QAM	25	0	20.51	20.67	20.64					
10	16QAM	25	12	20.54	20.54	20.41	22	3			
10	16QAM	25	25	20.52	20.59	20.55					
10	16QAM	50	0	20.59	20.54	20.47					
Channel				26765	26865	27015					
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	23.71	23.73	23.69					
5	QPSK	1	12	23.69	23.68	23.64	25	0			
5	QPSK	1	24	23.69	23.68	23.54					
5	QPSK	12	0	22.65	22.68	22.57					
5	QPSK	12	7	22.62	22.49	22.47	24	1			
5	QPSK	12	13	22.56	22.57	22.41					
5	QPSK	25	0	22.72	22.73	22.61					
5	16QAM	1	0	22.92	22.81	22.82					
5	16QAM	1	12	22.81	22.80	22.77	24	1			
5	16QAM	1	24	22.79	22.77	22.76					
5	16QAM	12	0	21.61	21.48	21.58					
5	16QAM	12	7	21.46	21.55	21.57	23	2			
5	16QAM	12	13	21.60	21.52	21.53					
5	16QAM	25	0	21.54	21.55	21.57					
5	16QAM	1	0	21.57	21.55	21.80	23	2			
5	16QAM	1	12	21.71	21.78	21.65					
5	16QAM	1	24	21.65	21.62	21.58	25	0			
5	16QAM	1	2	20.54	20.58	20.50					
5	16QAM	12	7	20.58	20.64	20.52	22	3			
5	16QAM	12	13	20.52	20.58	20.47					
5	16QAM	25	0	20.56	20.57	20.51					
Channel				26765	26865	27025					
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	23.84	23.88	23.82					
1.4	QPSK	1	3	23.58	23.56	23.56	25	0			
1.4	QPSK	1	5	23.50	23.63	23.50					
1.4	QPSK	3	0	22.81	22.88	22.82	24	1			
1.4	QPSK	3	1	23.62	23.58	23.56					
1.4	QPSK	3	3	23.59	23.63	23.50					
1.4	16QAM	1	0	22.80	22.56	22.54	24	1			
1.4	16QAM	1	0	22.81	22.86	22.84					
1.4	16QAM	1	2	22.82	22.78	22.71	23	2			
1.4	16QAM	1	5	22.81	22.77	22.73					
1.4	16QAM	3	0	22.81	22.60	22.58					
1.4	16QAM	3	3	22.54	22.52	22.47					
1.4	16QAM	6	0	21.54	21.58	21.43	23	2			
1.4	16QAM	6	0	21.59	21.57	21.76					
1.4	16QAM	1	3	21.63	21.74	21.68					
1.4	16QAM	1	5	21.66	21.55	21.55	23	2			
1.4	16QAM	3	0	21.56	21.52	21.54					
1.4	16QAM	3	1	21.47	21.50	21.42					
1.4	16QAM	3	3	21.59	21.52	21.45					
1.4	16QAM	6	0	20.56	20.57	20.53	22	3			

Band 66_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)		
Channel				132072	132252	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	22.65	22.68	22.83	24.5	0		
20	QPSK	1	49	22.80	22.85	22.99				
20	QPSK	1	99	22.83	22.87	22.94				
20	QPSK	50	0	21.85	21.88	21.76	23.5	1		
20	QPSK	50	24	21.74	21.83	21.87				
20	QPSK	50	50	21.78	21.75	21.57				
20	QPSK	100	0	21.83	21.85	21.88	22.5	2		
20	16QAM	1	0	21.78	21.77	21.87				
20	16QAM	1	49	21.82	21.83	21.85				
20	16QAM	1	99	21.78	21.79	21.87	23.5	1		
20	16QAM	50	0	20.51	20.80	20.59				
20	16QAM	50	24	20.84	20.80	20.58				
20	16QAM	50	50	20.80	20.87	20.57	22.5	2		
20	16QAM	100	0	20.51	20.86	20.52				
20	16QAM	1	0	20.54	20.56	20.58				
20	16QAM	1	49	20.56	20.82	20.53	22.5	2		
20	16QAM	1	99	20.53	20.58	20.51				
20	16QAM	50	0	19.83	19.83	19.57				
20	16QAM	50	24	19.86	19.86	19.81	21.5	3		
20	16QAM	50	50	19.59	19.80	19.57				
20	16QAM	50	100	0	19.58	19.80				19.55
Channel				132047	132222	132587				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.82	22.86	22.99	24.5	0		
15	QPSK	1	37	22.87	22.82	22.94				
15	QPSK	1	74	22.82	22.85	22.93				
15	QPSK	36	0	21.80	21.84	21.68	23.5	1		
15	QPSK	36	20	21.73	21.78	21.86				
15	QPSK	36	39	21.77	21.74	21.55				
15	QPSK	75	0	21.81	21.83	21.86	23.5	1		
15	16QAM	1	0	21.77	21.74	21.83				
15	16QAM	1	37	21.81	21.78	21.50				
15	16QAM	1	74	21.73	21.78	21.84	22.5	2		
15	16QAM	36	0	20.83	20.84	20.81				
15	16QAM	36	20	20.87	20.82	20.81				
15	16QAM	36	39	20.80	20.71	20.81	21.5	3		
15	16QAM	75	0	20.83	20.88	20.54				
15	16QAM	1	0	20.54	20.60	20.58				
15	16QAM	1	37	20.56	20.85	20.54	22.5	2		
15	16QAM	1	74	20.54	20.82	20.83				
15	16QAM	36	0	19.85	19.83	19.80				
15	16QAM	36	20	19.87	19.89	19.84	21.5	3		
15	16QAM	36	39	19.81	19.85	19.57				
15	16QAM	75	0	19.59	19.85	19.55				
Channel				132022	132282	132647				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	22.83	22.85	22.82	24.5	0		
10	QPSK	1	25	22.85	22.83	22.94				
10	QPSK	1	49	22.82	22.88	22.92				
10	QPSK	25	0	21.81	21.87	21.86	23.5	1		
10	QPSK	25	12	21.72	21.81	21.84				
10	QPSK	25	26	21.75	21.73	21.54				
10	QPSK	50	0	21.80	21.81	21.87	23.5	1		
10	16QAM	1	0	21.74	21.73	21.82				
10	16QAM	1	25	21.80	21.81	21.84				
10	16QAM	1	49	21.76	21.75	21.80	22.5	2		
10	16QAM	25	0	20.54	20.81	20.82				
10	16QAM	25	12	20.88	20.82	20.58				
10	16QAM	25	26	20.82	20.71	20.58	21.5	3		
10	16QAM	50	0	20.83	20.89	20.56				
10	16QAM	1	0	20.58	20.88	20.81				
10	16QAM	1	25	20.80	20.88	20.57	22.5	2		
10	16QAM	1	49	20.53	20.59	20.51				
10	16QAM	25	0	19.85	19.87	19.80				
10	16QAM	25	12	19.89	19.87	19.84	21.5	3		
10	16QAM	25	26	19.59	19.81	19.57				
10	16QAM	50	0	19.81	19.84	19.58				
Channel				131997	132282	132647				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.83	22.85	22.80	24.5	0		
5	QPSK	1	12	22.85	22.85	22.88				
5	QPSK	1	24	22.83	22.88	22.94				
5	QPSK	12	0	21.86	21.91	21.74	23.5	1		
5	QPSK	12	7	21.74	21.83	21.70				
5	QPSK	12	13	21.78	21.75	21.57				
5	QPSK	25	0	21.86	21.85	21.71	23.5	1		
5	16QAM	1	0	21.80	21.78	21.87				
5	16QAM	1	12	21.86	21.88	21.58				
5	16QAM	1	24	21.81	21.83	21.89	22.5	2		
5	16QAM	12	0	20.85	20.80	20.59				
5	16QAM	12	7	20.85	20.81	20.80				
5	16QAM	12	13	20.83	20.89	20.80	22.5	2		
5	16QAM	25	0	20.85	20.87	20.52				
5	16QAM	1	0	20.88	20.88	20.81				
5	16QAM	1	12	20.59	20.83	20.57	21.5	3		
5	16QAM	1	24	20.87	20.59	20.52				
5	16QAM	12	0	19.84	19.83	19.58				
5	16QAM	12	7	19.86	19.89	19.82	21.5	3		
5	16QAM	12	13	19.83	19.81	19.59				
5	16QAM	25	0	19.82	19.81	19.58				
Channel				131987	132282	132857				
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.83	22.86	22.99	24.5	0		
3	QPSK	1	8	22.89	22.80	22.85				
3	QPSK	1	14	22.83	22.85	22.82				
3	QPSK	8	0	21.81	21.84	21.89	23.5	1		
3	QPSK	8	4	21.70	21.78	21.84				
3	QPSK	8	7	21.77	21.73	21.53				
3	QPSK	15	0	21.79	21.81	21.84	23.5	1		
3	16QAM	1	0	21.74	21.78	21.83				
3	16QAM	1	8	21.77	21.80	21.50				
3	16QAM	1	14	21.75	21.78	21.84	22.5	2		
3	16QAM	8	0	20.83	20.85	20.58				
3	16QAM	8	4	20.80	20.89	20.53				
3	16QAM	8	7	20.85	20.82	20.54	21.5	3		
3	16QAM	15	0	20.83	20.83	20.83				
3	16QAM	1	0	20.84	20.81	20.87				
3	16QAM	1	8	20.52	20.88	20.52	22.5	2		
3	16QAM	1	14	20.80	20.80	20.52				
3	16QAM	8	0	19.80	19.81	19.83				
3	16QAM	8	4	19.85	19.83	19.89	21.5	3		
3	16QAM	8	7	19.84	19.87	19.82				
3	16QAM	15	0	19.83	19.89	19.59				
Channel				131979	132282	133089				
Frequency (MHz)				1710.7	1745	1779.5				
1.4	QPSK	1	0	22.83	22.87	22.80	24.5	0		
1.4	QPSK	1	3	22.88	22.82	22.85				
1.4	QPSK	1	6	22.83	22.85	22.82				
1.4	QPSK	3	0	21.83	21.84	21.89	23.5	1		
1.4	QPSK	3	3	21.77	21.80	21.50				
1.4	QPSK	3	6	21.77	21.72	21.53				
1.4	16QAM	1	5	21.80	21.84	21.87	23.5	1		
1.4	16QAM	3	0	21.83	21.84	21.87				
1.4	16QAM	3	1	21.73	21.82	21.86				
1.4	16QAM	3	3	21.75	21.72	21.54	22.5	2		
1.4	16QAM	3	6	20.52	20.81	20.56				
1.4	16QAM	1	5	20.83	20.88	20.54				
1.4	16QAM	1	5	20.82	20.86	20.58	22.5	2		
1.4	16QAM	1	8	20.80	20.84	20.59				
1.4	16QAM	3	3	20.87	20.86	20.54				
1.4	16QAM	6	0	19.82	19.83	19.52	21.5	3		

Band 38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.50	23.43	23.39	23	1	
20	QPSK	1	49	23.45	23.38	23.30			
20	QPSK	1	99	23.40	23.20	23.11			
20	QPSK	50	0	22.64	22.53	22.45	23	1	
20	QPSK	50	24	22.55	22.45	22.39			
20	QPSK	50	50	22.52	22.36	22.25			
20	QPSK	100	0	22.51	22.42	22.32	23	1	
20	16QAM	1	0	22.65	22.73	22.51			
20	16QAM	1	49	22.74	22.70	22.54			
20	16QAM	1	99	22.68	22.47	22.34	22	2	
20	16QAM	50	0	21.54	21.56	21.50			
20	16QAM	50	24	21.57	21.46	21.40			
20	16QAM	50	50	21.56	21.37	21.31	22	2	
20	16QAM	100	0	21.52	21.45	21.34			
20	64QAM	1	0	21.51	21.59	21.46			
20	64QAM	1	49	21.60	21.54	21.39	22	2	
20	64QAM	1	99	21.51	21.32	21.20			
20	64QAM	50	0	20.52	20.53	20.43			
20	64QAM	50	24	20.52	20.46	20.37	21	3	
20	64QAM	50	50	20.52	20.36	20.26			
20	64QAM	100	0	20.50	20.47	20.32			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24	0	
15	QPSK	1	0	23.37	23.36	23.37			
15	QPSK	1	37	23.41	23.36	23.22	23	1	
15	QPSK	1	74	23.31	23.15	22.96			
15	QPSK	36	0	22.53	22.52	22.40			
15	QPSK	36	20	22.52	22.36	22.31	23	1	
15	QPSK	36	39	22.48	22.23	22.22			
15	QPSK	75	0	22.44	22.30	22.31			
15	16QAM	1	0	22.53	22.60	22.38	23	1	
15	16QAM	1	37	22.69	22.64	22.44			
15	16QAM	1	74	22.55	22.44	22.22			
15	16QAM	36	0	21.52	21.49	21.37	22	2	
15	16QAM	36	20	21.53	21.35	21.39			
15	16QAM	36	39	21.53	21.34	21.16			
15	16QAM	75	0	21.49	21.37	21.33	22	2	
15	64QAM	1	0	21.36	21.45	21.42			
15	64QAM	1	37	21.50	21.49	21.31			
15	64QAM	1	74	21.47	21.26	21.11	21	3	
15	64QAM	36	0	20.45	20.48	20.32			
15	64QAM	36	20	20.41	20.38	20.34			
15	64QAM	36	39	20.39	20.30	20.11	21		
15	64QAM	75	0	20.45	20.43	20.20			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24	0	
10	QPSK	1	0	23.41	23.40	23.28			
10	QPSK	1	25	23.33	23.29	23.16	23	1	
10	QPSK	1	49	23.26	23.07	23.05			
10	QPSK	25	0	22.63	22.48	22.38			
10	QPSK	25	12	22.50	22.34	22.35	23	1	
10	QPSK	25	25	22.38	22.26	22.13			
10	QPSK	50	0	22.46	22.32	22.30			
10	16QAM	1	0	22.64	22.59	22.48	23	1	
10	16QAM	1	25	22.62	22.55	22.48			
10	16QAM	1	49	22.54	22.38	22.22			
10	16QAM	25	0	21.46	21.55	21.49	22	2	
10	16QAM	25	12	21.50	21.33	21.31			
10	16QAM	25	25	21.54	21.34	21.28			
10	16QAM	50	0	21.48	21.40	21.33	22	2	
10	64QAM	1	0	21.45	21.46	21.32			
10	64QAM	1	25	21.56	21.43	21.36			
10	64QAM	1	49	21.45	21.26	21.10	21	3	
10	64QAM	25	0	20.41	20.49	20.36			
10	64QAM	25	12	20.38	20.39	20.32			
10	64QAM	25	25	20.44	20.28	20.13	21		
10	64QAM	50	0	20.42	20.41	20.23			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	23.35	23.42	23.30			
5	QPSK	1	12	23.34	23.23	23.26	23	1	
5	QPSK	1	24	23.32	23.08	23.00			
5	QPSK	12	0	22.62	22.51	22.39			
5	QPSK	12	7	22.42	22.32	22.38	23	1	
5	QPSK	12	13	22.47	22.35	22.20			
5	QPSK	25	0	22.41	22.32	22.23			
5	16QAM	1	0	22.60	22.59	22.39	23	1	
5	16QAM	1	12	22.70	22.65	22.49			
5	16QAM	1	24	22.56	22.41	22.23			
5	16QAM	12	0	21.43	21.44	21.46	22	2	
5	16QAM	12	7	21.53	21.38	21.30			
5	16QAM	12	13	21.49	21.32	21.28			
5	16QAM	25	0	21.51	21.43	21.29	22	2	
5	64QAM	1	0	21.45	21.56	21.38			
5	64QAM	1	12	21.59	21.45	21.36			
5	64QAM	1	24	21.43	21.25	21.17	21	3	
5	64QAM	12	0	20.41	20.44	20.40			
5	64QAM	12	7	20.40	20.35	20.31			
5	64QAM	12	13	20.44	20.26	20.14	21		
5	64QAM	25	0	20.35	20.41	20.27			

Band 41_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	25	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.47	24.30	23.66	23.03	23.14				
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13	24	1		
20	QPSK	1	99	24.76	24.38	23.68	23.06	23.16				
20	QPSK	50	0	23.69	23.51	22.86	22.24	22.16				
20	QPSK	50	24	23.75	23.59	22.73	22.23	22.17	24	1		
20	QPSK	50	50	23.82	23.67	22.91	22.28	22.23				
20	QPSK	100	0	23.79	23.53	22.75	22.18	22.18				
20	16QAM	1	0	23.75	23.75	23.05	22.32	22.38	24	1		
20	16QAM	1	49	23.87	23.70	22.95	22.36	22.37				
20	16QAM	1	99	23.86	23.60	22.80	22.19	22.24				
20	16QAM	50	0	22.70	22.66	21.89	21.23	21.28	23	2		
20	16QAM	50	24	22.82	22.61	21.80	21.20	21.26				
20	16QAM	50	50	22.86	22.60	21.71	21.21	21.16				
20	16QAM	100	0	22.79	22.56	21.78	21.21	21.19	23	2		
20	64QAM	1	0	22.61	22.58	21.88	21.19	21.24				
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24				
20	64QAM	1	99	22.82	22.42	21.64	21.05	21.15	22	3		
20	64QAM	50	0	21.68	21.60	20.85	20.24	20.22				
20	64QAM	50	24	21.78	21.59	20.79	20.19	20.24				
20	64QAM	50	50	21.82	21.57	20.68	20.16	20.13	22	3		
20	64QAM	100	0	21.80	21.55	20.77	20.17	20.18				
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25	0		
15	QPSK	1	0	24.34	24.18	23.64	23.14	23.05				
15	QPSK	1	37	24.62	24.24	23.68	23.20	23.08				
15	QPSK	1	74	24.65	24.24	23.64	23.16	23.15	24	1		
15	QPSK	36	0	23.68	23.44	22.74	22.30	22.01				
15	QPSK	36	20	23.72	23.54	22.61	22.42	22.04				
15	QPSK	36	39	23.72	23.58	22.61	22.40	22.13	24	1		
15	QPSK	75	0	23.72	23.45	22.67	22.32	22.11				
15	16QAM	1	0	23.69	23.73	23.00	22.45	22.34				
15	16QAM	1	37	23.62	23.58	22.83	22.55	22.30	24	1		
15	16QAM	1	74	23.82	23.50	22.70	22.29	22.14				
15	16QAM	36	0	22.55	22.56	21.83	21.34	21.25				
15	16QAM	36	20	22.74	22.56	21.70	21.27	21.20	23	2		
15	16QAM	36	39	22.80	22.45	21.66	21.32	21.01				
15	16QAM	75	0	22.75	22.47	21.73	21.29	21.07				
15	64QAM	1	0	22.60	22.57	21.78	21.37	21.14	23	2		
15	64QAM	1	37	22.68	22.50	21.66	21.31	21.17				
15	64QAM	1	74	22.69	22.31	21.54	21.24	21.09				
15	64QAM	36	0	21.67	21.52	20.81	20.37	20.15	22	3		
15	64QAM	36	20	21.65	21.47	20.64	20.34	20.16				
15	64QAM	36	39	21.75	21.46	20.53	20.35	20.03				
15	64QAM	75	0	21.69	21.54	20.72	20.28	20.13	22	3		
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685			25	0
10	QPSK	1	0	24.40	24.27	23.58	23.20	23.04				
10	QPSK	1	25	24.59	24.14	23.49	23.13	23.02				
10	QPSK	1	49	24.74	24.27	23.56	23.16	23.02	24	1		
10	QPSK	25	0	23.54	23.47	22.73	22.43	22.13				
10	QPSK	25	12	23.71	23.48	22.66	22.32	22.16				
10	QPSK	25	25	23.68	23.63	22.90	22.40	22.17	24	1		
10	QPSK	50	0	23.71	23.38	22.72	22.28	22.06				
10	16QAM	1	0	23.70	23.74	22.92	22.43	22.29				
10	16QAM	1	25	23.75	23.55	22.91	22.49	22.33	24	1		
10	16QAM	1	49	23.76	23.57	22.75	22.28	22.12				
10	16QAM	25	0	22.67	22.53	21.74	21.28	21.22				
10	16QAM	25	12	22.73	22.54	21.70	21.38	21.24	23	2		
10	16QAM	25	25	22.78	22.55	21.70	21.33	21.11				
10	16QAM	50	0	22.65	22.52	21.75	21.26	21.11				
10	64QAM	1	0	22.49	22.49	21.83	21.36	21.14	23	2		
10	64QAM	1	25	22.72	22.57	21.67	21.35	21.14				
10	64QAM	1	49	22.72	22.28	21.57	21.19	21.13				
10	64QAM	25	0	21.62	21.48	20.84	20.37	20.18	22	3		
10	64QAM	25	12	21.73	21.50	20.77	20.34	20.12				
10	64QAM	25	25	21.74	21.54	20.82	20.34	20.05				
10	64QAM	50	0	21.76	21.45	20.68	20.35	20.12	22	3		
Channel				39675	40148	40620	41066.2	41567.2			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.60	2687.7			25	0
5	QPSK	1	0	24.44	24.26	23.55	23.15	23.11				
5	QPSK	1	12	24.58	24.16	23.57	23.22	23.07				
5	QPSK	1	24	24.67	24.30	23.54	23.25	23.12	24	1		
5	QPSK	12	0	23.66	23.45	22.84	22.30	22.01				
5	QPSK	12	7	23.70	23.51	22.63	22.42	22.02				
5	QPSK	12	13	23.76	23.53	22.77	22.44	22.20	24	1		
5	QPSK	25	0	23.76	23.48	22.63	22.31	22.17				
5	16QAM	1	0	23.60	23.65	22.98	22.44	22.34				
5	16QAM	1	12	23.85	23.64	22.85	22.51	22.30	24	1		
5	16QAM	1	24	23.71	23.45	22.78	22.27	22.16				
5	16QAM	12	0	22.61	22.56	21.87	21.39	21.14				
5	16QAM	12	7	22.72	22.51	21.79	21.39	21.24	23	2		
5	16QAM	12	13	22.71	22.59	21.60	21.26	21.01				
5	16QAM	25	0	22.73	22.55	21.73	21.31	21.16				
5	64QAM	1	0	22.46	22.54	21.84	21.37	21.22	23	2		
5	64QAM	1	12	22.67	22.53	21.63	21.33	21.09				
5	64QAM	1	24	22.69	22.31	21.56	21.13	21.14				
5	64QAM	12	0	21.53	21.55	20.84	20.36	20.14	22	3		
5	64QAM	12	7	21.71	21.47	20.77	20.27	20.16				
5	64QAM	12	13	21.75	21.55	20.57	20.35	20.02				
5	64QAM	25	0	21.65	21.45	20.64	20.29	20.13	22	3		

Band 2_Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.42	20.44	20.20				
20	QPSK	1	49	20.28	20.17	20.23	21.75	0		
20	QPSK	1	99	20.16	20.20	20.09				
20	QPSK	50	0	20.32	20.33	20.17				
20	QPSK	50	24	20.24	19.92	20.12	21.75	0		
20	QPSK	50	50	20.06	20.13	20.03				
20	QPSK	100	0	20.36	20.37	20.24				
20	16QAM	1	0	20.10	20.02	20.14				
20	16QAM	1	49	20.04	20.15	20.08	21.75	0		
20	16QAM	1	99	20.25	20.40	20.21				
20	16QAM	50	0	20.13	20.13	20.20				
20	16QAM	50	24	20.12	20.13	19.99	21.75	0		
20	16QAM	50	50	20.40	20.28	20.18				
20	64QAM	1	0	20.17	19.99	20.10				
20	64QAM	1	49	20.36	20.31	20.20	21.75	0		
20	64QAM	1	99	20.17	19.99	20.18				
20	64QAM	50	0	19.89	19.75	19.62				
20	64QAM	50	24	19.93	19.80	19.86	21.50	0.25		
20	64QAM	50	50	19.97	19.82	19.70				
20	64QAM	100	0	19.89	19.71	19.60				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.875	18.880	19.025				
15	QPSK	1	37	20.22	20.31	20.22				
15	QPSK	1	74	20.15	20.08	20.15	21.75	0		
15	QPSK	36	0	20.17	20.17	19.95				
15	QPSK	36	20	20.14	19.86	19.97	21.75	0		
15	QPSK	36	36	19.98	20.04	19.98				
15	QPSK	75	0	20.07	20.17	20.11				
15	16QAM	1	0	19.94	19.86	20.08				
15	16QAM	1	37	19.98	20.04	20.00	21.75	0		
15	16QAM	1	74	20.20	20.34	20.10				
15	16QAM	36	0	19.97	20.04	20.12				
15	16QAM	36	20	19.97	19.89	19.94	21.75	0		
15	16QAM	36	36	20.34	20.17	20.05				
15	16QAM	75	0	20.06	19.86	20.00				
15	64QAM	1	0	19.90	19.97	19.99				
15	64QAM	1	37	20.22	20.18	20.07	21.75	0		
15	64QAM	1	74	20.20	20.06	20.04				
15	64QAM	36	0	20.02	19.86	19.79				
15	64QAM	36	20	20.01	19.78	19.77	21.50	0.25		
15	64QAM	36	36	19.96	19.94	19.87				
15	64QAM	75	0	20.06	19.84	19.69				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.650	18.650	19.050				
10	QPSK	1	25	20.14	20.09	20.14	21.75	0		
10	QPSK	1	49	20.03	20.06	20.01				
10	QPSK	25	0	20.26	20.22	19.96				
10	QPSK	25	12	20.17	19.77	20.06	21.75	0		
10	QPSK	25	25	20.16	19.84	20.01				
10	QPSK	50	0	20.20	20.14	20.19				
10	16QAM	1	0	19.95	19.92	20.04				
10	16QAM	1	25	19.91	20.07	20.01	21.75	0		
10	16QAM	1	49	20.10	20.33	20.15				
10	16QAM	25	0	20.08	20.08	20.05				
10	16QAM	25	12	19.98	19.97	19.86	21.75	0		
10	16QAM	25	25	20.35	20.14	20.11				
10	16QAM	50	0	20.12	19.91	19.97				
10	64QAM	1	0	19.96	20.04	20.00	21.75	0		
10	64QAM	1	25	20.31	20.15	20.15				
10	64QAM	1	49	20.03	19.88	20.07				
10	64QAM	25	0	20.09	19.87	19.71				
10	64QAM	25	12	19.95	19.78	19.83	21.50	0.25		
10	64QAM	25	25	20.02	20.01	19.81				
10	64QAM	50	0	20.07	19.87	19.79				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.34	20.33	20.15				
5	QPSK	1	12	20.21	20.03	20.08	21.75	0		
5	QPSK	1	24	20.03	20.06	20.04				
5	QPSK	12	0	20.17	20.23	20.06				
5	QPSK	12	7	20.09	19.77	20.03	21.75	0		
5	QPSK	12	13	19.90	19.99	19.90				
5	QPSK	25	0	20.28	20.22	20.08				
5	16QAM	1	0	20.03	19.87	20.08				
5	16QAM	1	12	19.88	20.08	20.06	21.75	0		
5	16QAM	1	24	20.12	20.28	20.08				
5	16QAM	12	0	19.90	20.01	20.11				
5	16QAM	12	7	20.00	20.03	19.84	21.75	0		
5	16QAM	12	13	20.32	20.18	20.04				
5	16QAM	25	0	20.05	19.93	20.01				
5	64QAM	1	0	20.00	20.00	20.00				
5	64QAM	1	12	20.31	20.21	20.06	21.75	0		
5	64QAM	1	24	20.09	19.86	20.07				
5	64QAM	12	0	19.91	19.82	19.82				
5	64QAM	12	7	19.98	19.69	19.80	21.50	0.25		
5	64QAM	12	13	20.04	19.92	19.80				
5	64QAM	25	0	19.98	19.89	19.78				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.615	18.600	19.065				
3	QPSK	1	8	20.37	20.33	20.18				
3	QPSK	1	14	20.21	20.08	20.16	21.75	0		
3	QPSK	8	0	20.25	20.22	19.93				
3	QPSK	8	4	20.09	19.82	20.02	21.75	0		
3	QPSK	15	0	19.94	19.99	19.92				
3	16QAM	1	0	20.04	19.98	20.03				
3	16QAM	1	8	19.96	20.06	19.97	21.75	0		
3	16QAM	1	14	20.10	20.26	20.06				
3	16QAM	8	0	20.03	20.06	20.11				
3	16QAM	8	4	20.09	20.02	19.94				
3	16QAM	8	7	20.28	20.17	20.03	21.75	0		
3	16QAM	15	0	20.06	19.87	19.98				
3	64QAM	1	0	19.97	19.96	19.91				
3	64QAM	1	8	20.28	20.22	20.09	21.75	0		
3	64QAM	1	14	20.12	19.99	20.07				
3	64QAM	8	0	20.05	19.94	19.74				
3	64QAM	8	4	19.97	19.80	19.82	21.50	0.25		
3	64QAM	8	7	20.07	20.01	19.86				
3	64QAM	15	0	20.00	19.83	19.80				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.607	18.600	19.063				
1.4	QPSK	1	3	20.16	20.04	20.12	21.75	0		
1.4	QPSK	1	5	20.02	20.07	19.93				
1.4	QPSK	3	0	20.21	20.21	19.97				
1.4	QPSK	3	1	20.06	19.84	19.98				
1.4	QPSK	3	3	19.95	19.98	19.98				
1.4	QPSK	6	0	20.25	20.21	20.16	21.75	0		
1.4	16QAM	1	0	19.96	19.88	20.06				
1.4	16QAM	1	3	19.94	20.05	19.99				
1.4	16QAM	1	5	20.09	20.27	20.14	21.75	0		
1.4	16QAM	3	0	19.98	20.07	20.13				
1.4	16QAM	3	1	20.05	19.97	19.89				
1.4	16QAM	3	3	20.31	20.12	20.09	21.75	0		
1.4	16QAM	6	0	19.96	20.06	19.93				
1.4	64QAM	1	0	19.91	19.94	20.06	21.75	0		
1.4	64QAM	3	0	20.03	19.84	19.84				
1.4	64QAM	3	1	19.97	19.76	19.84				
1.4	64QAM	3	3	20.07	19.85	19.82	21.50	0.25		
1.4	64QAM	6	0	20.08	19.83	19.78				

Reduced Power Mode for ECI 1 ENDC										
Band 4_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.24	19.46	19.17				
20	QPSK	1	49	19.09	19.18	18.98	19.75	0		
20	QPSK	1	99	19.21	19.20	19.94				
20	QPSK	50	0	19.03	19.23	19.93				
20	QPSK	50	24	18.96	19.04	19.90	19.75	0		
20	QPSK	50	120	19.05	19.16	19.91				
20	QPSK	100	0	19.15	19.20	19.92				
20	16QAM	1	0	18.98	19.18	19.86				
20	16QAM	1	49	18.98	19.20	19.86	19.75	0		
20	16QAM	1	99	19.05	19.26	19.92				
20	16QAM	50	0	19.05	19.26	19.92				
20	16QAM	50	24	19.03	19.12	19.92	19.75	0		
20	16QAM	50	120	19.10	19.20	19.94				
20	16QAM	100	0	18.93	19.07	19.87				
20	64QAM	1	0	18.86	19.22	19.88				
20	64QAM	1	49	19.20	19.26	19.98	19.75	0		
20	64QAM	1	99	19.04	19.05	19.91				
20	64QAM	50	0	19.11	19.12	19.88				
20	64QAM	50	24	19.05	19.18	19.97				
20	64QAM	50	120	19.07	19.15	19.99	19.75	0		
20	64QAM	100	0	19.09	19.11	19.98				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.08	19.32	19.10				
15	QPSK	1	37	19.01	19.03	18.99	19.75	0		
15	QPSK	1	74	19.05	19.04	18.86				
15	QPSK	1	111	19.02	19.14	19.08				
15	QPSK	36	20	18.86	18.96	18.77	19.75	0		
15	QPSK	36	39	18.93	19.14	18.97				
15	QPSK	75	0	19.07	19.18	19.07				
15	16QAM	1	0	18.85	19.12	19.78				
15	16QAM	1	37	19.05	19.06	19.71	19.75	0		
15	16QAM	1	74	19.02	19.10	19.83				
15	16QAM	36	0	18.99	18.97	18.87				
15	16QAM	36	20	18.89	19.06	19.83	19.75	0		
15	16QAM	36	39	19.04	19.05	19.84				
15	16QAM	75	0	19.06	19.17	19.76				
15	16QAM	1	1	19.08	19.13	19.76				
15	64QAM	1	37	19.15	19.19	19.92	19.75	0		
15	64QAM	1	74	19.05	19.06	19.83				
15	64QAM	36	0	18.97	19.05	19.72				
15	64QAM	36	20	18.80	19.07	19.89	19.75	0		
15	64QAM	36	39	18.97	19.06	19.92				
15	64QAM	75	0	18.97	18.98	19.77				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.08	19.30	19.03				
10	QPSK	1	25	19.03	19.06	18.83	19.75	0		
10	QPSK	1	50	19.08	19.14	19.80				
10	QPSK	25	0	18.99	19.07	19.92				
10	QPSK	25	12	18.80	18.92	19.81	19.75	0		
10	QPSK	25	25	18.92	19.06	19.82				
10	QPSK	50	0	18.99	19.15	19.96				
10	16QAM	1	0	18.85	19.13	19.77				
10	16QAM	1	25	18.88	19.14	19.82				
10	16QAM	1	49	19.02	19.17	19.90				
10	16QAM	25	0	18.98	18.90	19.81	19.75	0		
10	16QAM	25	12	18.86	19.07	19.79				
10	16QAM	25	24	19.04	19.05	19.79				
10	16QAM	50	0	18.85	19.00	19.71				
10	64QAM	1	0	18.98	19.13	19.83				
10	64QAM	1	25	19.08	19.20	19.96	19.75	0		
10	64QAM	1	49	19.00	18.95	19.80				
10	64QAM	25	0	18.95	18.96	19.79				
10	64QAM	25	12	18.97	19.07	19.91	19.75	0		
10	64QAM	25	25	18.98	19.04	19.88				
10	64QAM	50	0	18.98	19.06	19.80				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.14	19.30	19.04				
5	QPSK	1	24	19.08	19.13	19.84	19.75	0		
5	QPSK	12	0	19.02	19.10	19.93				
5	QPSK	12	7	18.89	18.97	19.82	19.75	0		
5	QPSK	12	13	19.01	19.15	19.82				
5	QPSK	15	0	19.07	19.21	19.07				
5	16QAM	1	0	18.84	19.07	19.87				
5	16QAM	1	12	18.85	19.06	19.74	19.75	0		
5	16QAM	1	24	18.97	19.19	19.76				
5	16QAM	12	0	18.89	18.86	19.79				
5	16QAM	12	7	18.98	19.02	19.81	19.75	0		
5	16QAM	12	13	19.07	19.07	19.83				
5	16QAM	25	0	18.84	18.90	19.75				
5	16QAM	1	0	19.00	19.08	19.79				
5	64QAM	1	12	19.08	19.16	19.92	19.75	0		
5	64QAM	1	24	19.06	19.17	19.84				
5	64QAM	12	0	19.04	19.00	19.79				
5	64QAM	12	7	18.89	19.02	19.86	19.75	0		
5	64QAM	12	13	18.97	18.97	19.83				
5	64QAM	25	0	18.99	19.04	19.76				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.08	19.33	19.12				
3	QPSK	1	8	18.99	19.07	19.92	19.75	0		
3	QPSK	1	14	19.05	19.06	19.81				
3	QPSK	8	0	18.97	19.09	19.89				
3	QPSK	8	7	18.97	19.04	19.83	19.75	0		
3	QPSK	8	14	19.04	19.14	19.90				
3	QPSK	15	0	19.04	19.15	19.89				
3	16QAM	1	0	18.86	19.02	19.87				
3	16QAM	1	8	18.93	19.13	19.77	19.75	0		
3	16QAM	1	14	19.06	19.16	19.92				
3	16QAM	8	0	18.89	18.96	19.80				
3	16QAM	8	7	18.99	19.06	19.82	19.75	0		
3	16QAM	8	14	18.88	18.96	19.82				
3	16QAM	8	7	19.10	19.10	19.91				
3	16QAM	15	0	18.88	19.05	19.74				
3	64QAM	1	0	18.98	19.16	19.77				
3	64QAM	1	24	19.05	19.13	19.92	19.75	0		
3	64QAM	1	14	18.88	18.94	19.84				
3	64QAM	8	0	19.03	19.01	19.82				
3	64QAM	8	4	19.04	19.05	19.92	19.75	0		
3	64QAM	8	7	19.03	18.95	19.84				
3	64QAM	15	0	19.08	18.97	19.92				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.17	19.38	19.01				
1.4	QPSK	1	3	19.02	19.12	19.87	19.75	0		
1.4	QPSK	1	5	19.15	19.06	19.86				
1.4	QPSK	1	7	19.02	19.14	19.89				
1.4	QPSK	3	3	18.91	18.90	19.79	19.75	0		
1.4	QPSK	6	0	18.81	19.17	19.88				
1.4	QPSK	6	0	18.91	19.11	19.71				
1.4	16QAM	1	0	19.04	19.10	19.82				
1.4	16QAM	1	5	19.03	19.23	19.95	19.75	0		
1.4	16QAM	3	0	19.91	18.91	19.77				
1.4	16QAM	3	1	19.03	18.96	19.78				
1.4	16QAM	6	0	18.85	19.20	19.73	19.75	0		
1.4	64QAM	1	0	18.91	19.17	19.83				
1.4	64QAM	1	3	19.05	19.17	19.99				
1.4	64QAM	1	5	18.97	18.93	19.85				
1.4	64QAM	3	0	19.06	18.96	19.75				
1.4	64QAM	3	1	19.11	19.16	19.89	19.75	0		
1.4	64QAM	6	0	19.03	19.06	19.90				
1.4	64QAM	6	0	19.02	18.97	19.74	19.75	0		



Band 5_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power/Power Ch / Freq	Power/Power Ch / Freq	Power/Power Ch / Freq	Turn-up time (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
				20450	20500	20600								
				826.5	836.5	846.5								
10	QPSK	1	0	23.33	23.37	23.30	24.5	0						
10	QPSK	1	25	23.20	23.20	23.07								
10	QPSK	1	49	23.12	23.14	23.14								
10	QPSK	25	0	22.74	22.76	22.69								
10	QPSK	25	12	22.76	22.76	22.76	24	0.5						
10	QPSK	25	25	22.73	22.71	22.68								
10	QPSK	50	0	22.73	22.73	22.71								
10	16QAM	1	0	22.94	22.89	23.01								
10	16QAM	1	25	22.96	22.94	22.85	24	0.5						
10	16QAM	1	49	22.95	22.94	22.87								
10	16QAM	25	0	21.73	21.71	21.78								
10	16QAM	25	12	21.73	21.67	21.61								
10	16QAM	25	25	21.77	21.68	21.58	23	1.5						
10	16QAM	25	39	21.76	21.76	21.60								
10	16QAM	1	0	21.79	21.75	21.88								
10	64QAM	1	25	21.74	21.87	21.76								
10	64QAM	1	49	21.86	21.91	21.78	22	2.5						
10	64QAM	25	0	20.73	20.76	20.65								
10	64QAM	25	12	20.71	20.73	20.60								
10	64QAM	25	25	20.68	20.72	20.56								
10	64QAM	50	0	20.67	20.68	20.72								
Channel														
Frequency (MHz)														
				20425	20525	20625	Turn-up time (dBm)	MPR (dB)						
				826.5	836.5	846.5								
5	QPSK	1	0	23.16	23.22	23.23	24.5	0						
5	QPSK	1	25	23.09	23.11	23.07								
5	QPSK	1	24	23.03	23.03	23.04								
5	QPSK	12	0	22.72	22.60	22.53								
5	QPSK	12	7	22.67	22.61	22.53	24	0.5						
5	QPSK	12	13	22.62	22.65	22.59								
5	QPSK	25	0	22.68	22.76	22.62								
5	16QAM	1	0	22.87	22.77	22.94								
5	16QAM	1	12	22.80	22.88	22.89	24	0.5						
5	16QAM	1	24	22.88	22.72	22.79								
5	16QAM	12	0	21.69	21.66	21.65								
5	16QAM	12	7	21.64	21.60	21.59								
5	16QAM	12	13	21.68	21.58	21.45	23	1.5						
5	16QAM	25	0	21.63	21.60	21.53								
5	64QAM	1	0	21.64	21.65	21.60								
5	64QAM	1	12	21.61	21.61	21.60								
5	64QAM	1	24	21.72	21.75	21.66	22	2.5						
5	64QAM	12	0	20.57	20.67	20.59								
5	64QAM	12	7	20.57	20.64	20.55								
5	64QAM	12	13	20.61	20.60	20.41								
5	64QAM	25	0	20.55	20.54	20.67								
Channel														
Frequency (MHz)														
				20415	20525	20635	Turn-up time (dBm)	MPR (dB)						
				825.5	836.5	847.5								
3	QPSK	1	0	23.15	23.13	23.21	24.5	0						
3	QPSK	1	8	23.09	23.14	22.91								
3	QPSK	1	14	22.98	23.04	23.07								
3	QPSK	8	0	22.64	22.68	22.55								
3	QPSK	8	7	22.63	22.65	22.54	24	0.5						
3	QPSK	8	7	22.63	22.59	22.53								
3	QPSK	15	0	22.64	22.72	22.65								
3	16QAM	1	0	22.78	22.77	22.93								
3	16QAM	1	8	22.87	22.89	22.75	24	0.5						
3	16QAM	1	14	22.87	22.77	22.64								
3	16QAM	8	0	21.67	21.66	21.62								
3	16QAM	8	4	21.59	21.55	21.49								
3	16QAM	8	7	21.62	21.59	21.48	23	1.5						
3	16QAM	15	0	21.64	21.60	21.51								
3	64QAM	1	0	21.67	21.64	21.79								
3	64QAM	1	5	21.67	21.74	21.64								
3	64QAM	1	14	21.71	21.65	21.65	22	2.5						
3	64QAM	8	0	20.61	20.67	20.49								
3	64QAM	8	4	20.64	20.62	20.46								
3	64QAM	8	7	20.63	20.56	20.41								
3	64QAM	15	0	20.58	20.51	20.64								
Channel														
Frequency (MHz)														
				20427	20525	20643	Turn-up time (dBm)	MPR (dB)						
				824.7	836.5	848.3								
1.4	QPSK	1	0	23.27	23.34	23.25	24.5	0						
1.4	QPSK	1	3	23.23	23.28	23.12								
1.4	QPSK	1	5	23.21	23.13	23.13								
1.4	QPSK	3	0	23.27	23.31	23.35								
1.4	QPSK	3	1	23.21	23.24	23.13	24	0.5						
1.4	QPSK	3	3	23.19	23.13	23.15								
1.4	QPSK	6	0	22.71	22.78	22.68								
1.4	16QAM	1	0	22.86	22.96	23.02								
1.4	16QAM	1	3	22.91	23.01	23.02	24	0.5						
1.4	16QAM	1	5	22.96	22.92	22.88								
1.4	16QAM	3	0	22.78	22.78	22.76								
1.4	16QAM	3	1	22.72	22.79	22.72								
1.4	16QAM	3	3	22.73	22.76	22.68	23	1.5						
1.4	16QAM	6	0	21.73	21.78	21.70								
1.4	64QAM	1	0	21.85	21.76	21.96								
1.4	64QAM	1	3	21.81	21.80	21.83								
1.4	64QAM	1	5	21.87	21.93	21.80	23	1.5						
1.4	64QAM	3	0	21.72	21.82	21.76								
1.4	64QAM	3	1	21.76	21.71	21.71								
1.4	64QAM	3	3	21.73	21.77	21.67								
1.4	64QAM	6	0	20.78	20.72	20.71	22	2.5						

Band 7_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power High Ch [dBm]	Power High [dBm]	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20850	21100	21350						
				2510	2535	2560						
20	QPSK	1	0	19.87	19.83	19.88	20.75	0				
20	QPSK	1	49	19.86	19.83	19.27						
20	QPSK	1	99	19.85	19.89	19.34						
20	QPSK	50	0	19.78	19.86	19.35						
20	QPSK	50	24	19.84	19.77	19.12	20.75	0				
20	QPSK	50	50	19.82	19.42	19.22						
20	QPSK	100	0	19.70	19.30	19.59						
20	16QAM	1	0	19.75	19.73	19.13						
20	16QAM	1	49	19.83	19.44	19.28	20.75	0				
20	16QAM	1	99	19.72	19.74	19.10						
20	16QAM	50	0	19.79	19.78	19.15						
20	16QAM	50	24	19.73	19.43	19.35						
20	16QAM	50	50	19.76	19.85	19.62	20.75	0				
20	16QAM	100	0	19.72	19.63	19.18						
20	16QAM	1	0	19.74	19.38	19.30						
20	64QAM	1	49	19.83	19.82	19.47	20.75	0				
20	64QAM	1	99	19.72	19.74	19.10						
20	64QAM	50	0	19.77	19.37	19.24						
20	64QAM	50	24	19.89	19.96	19.42						
20	64QAM	50	50	19.80	19.80	19.15	20.75	0				
20	64QAM	100	0	19.83	19.54	19.19						
Channel												
Frequency (MHz)				20825	21100	21375				Turn-up time (dBm)	MPR (dB)	
				2505	2535	2560.5						
15	QPSK	1	0	19.92	19.94	19.96	20.75	0				
15	QPSK	1	49	19.88	19.90	19.27						
15	QPSK	1	99	19.89	19.93	19.30						
15	QPSK	1	74	19.95	19.94	19.41						
15	QPSK	36	0	19.78	19.88	19.62	20.75	0				
15	QPSK	36	20	19.82	19.69	19.15						
15	QPSK	36	39	19.89	19.38	19.28						
15	QPSK	36	59	19.79	19.43	19.49						
15	16QAM	1	0	19.78	19.74	19.11	20.75	0				
15	16QAM	1	37	19.81	19.46	19.30						
15	16QAM	1	74	19.83	19.94	19.48						
15	16QAM	36	0	19.76	19.86	19.61						
15	16QAM	36	20	19.75	19.33	19.30	20.75	0				
15	16QAM	36	39	19.83	19.62	19.53						
15	16QAM	75	0	19.74	19.63	19.16						
15	16QAM	1	0	19.84	19.45	19.34						
15	64QAM	1	49	19.79	19.43	19.49	20.75	0				
15	64QAM	1	74	19.74	19.74	19.18						
15	64QAM	36	0	19.87	19.44	19.28						
15	64QAM	36	20	19.71	19.78	19.43						
15	64QAM	36	39	19.78	19.69	19.17	20.75	0				
15	64QAM	36	59	19.85	19.39	19.27						
Channel												
Frequency (MHz)				20800	21100	21425				Turn-up time (dBm)	MPR (dB)	
				2055	2035	2060						
10	QPSK	1	0	19.94	20.01	19.97	20.75	0				
10	QPSK	1	25	19.89	19.81	19.20						
10	QPSK	1	49	19.88	19.92	19.47						
10	QPSK	25	0	19.89	19.89	19.47						
10	QPSK	25	12	19.86	19.68	19.15	20.75	0				
10	QPSK	25	25	19.87	19.38	19.21						
10	QPSK	50	0	19.75	19.88	19.50						
10	16QAM	1	0	19.74	19.71	19.11						
10	16QAM	25	0	19.79	19.79	19.14	20.75	0				
10	16QAM	25	12	19.80	19.51	19.35						
10	16QAM	25	24	19.79	19.65	19.12						
10	16QAM	50	0	19.73	19.65	19.12						
10	16QAM	1	0	19.77	19.41	19.32	20.75	0				
10	16QAM	1	25	19.83	19.79	19.45						
10	16QAM	1	49	19.82	19.67	19.17						
10	16QAM	25	12	19.80	19.26	19.27						
10	64QAM	25	12	19.73	19.79	19.43	20.75	0				
10	64QAM	25	25	19.76	19.70	19.21						
10	64QAM	50	0	19.80	19.91	19.27						
Channel												
Frequency (MHz)				20775	21100	21425	Turn-up time (dBm)	MPR (dB)				
				2055	2035	2060						
5	QPSK	1	0	19.91	19.97	19.93	20.75	0				
5	QPSK	1	12	19.84	19.79	19.21						
5	QPSK	12	0	19.79	19.83	19.50						
5	QPSK	12	13	19.82	19.43	19.30						
5	QPSK	25	0	19.71	19.86	19.51	20.75	0				
5	16QAM	1	0	19.73	19.67	19.15						
5	16QAM	1	12	19.79	19.39	19.35						
5	16QAM	12	0	19.81	19.81	19.44						
5	16QAM	12	13	19.82	19.43	19.30	20.75	0				
5	16QAM	25	0	19.72	19.82	19.55						
5	16QAM	12	7	19.82	19.45	19.23						
5	16QAM	12	13	19.79	19.89	19.50						
5	64QAM	25	0	19.70	19.62	19.15	20.75	0				
5	64QAM	1	0	19.75	19.50	19.39						
5	64QAM	1	12	19.79	19.80	19.48						
5	64QAM	1	24	19.74	19.70	19.17						
5	64QAM	12	0	19.88	19.35	19.27	20.75	0				
5	64QAM	12	7	19.83	19.42	19.45						
5	64QAM	12	13	19.77	19.65	19.12						
5	64QAM	25	0	19.84	19.43	19.28						

Band 12_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				23060	23065	23150					
				701.5	707.5	713.5					
5	QPSK	1	0	23.35	23.36	23.32	24.5	0			
5	QPSK	1	25	23.20	23.23	23.32					
5	QPSK	1	49	23.30	23.33	23.33					
5	QPSK	25	0	22.23	22.27	22.31					
5	QPSK	25	12	22.20	22.23	22.26	23.5	1			
5	QPSK	25	25	22.21	22.26	22.25					
5	QPSK	50	0	22.23	22.32	22.31					
5	16QAM	1	0	22.36	22.29	22.59					
5	16QAM	1	25	22.34	22.47	22.51	23.5	1			
5	16QAM	1	49	22.40	22.49	22.60					
5	16QAM	25	0	21.17	21.18	21.27					
5	16QAM	25	12	21.14	21.23	21.26					
5	16QAM	25	25	21.17	21.26	21.33	22.5	2			
5	16QAM	50	0	21.10	21.16	21.29					
5	16QAM	1	0	21.32	21.36	21.37					
5	64QAM	1	25	21.22	21.44	21.48					
5	64QAM	1	49	21.33	21.41	21.52	21.5	3			
5	64QAM	25	0	20.21	20.20	20.27					
5	64QAM	25	12	20.20	20.28	20.34					
5	64QAM	25	25	20.34	20.27	20.31					
5	64QAM	50	0	20.22	20.27	20.31					
Channel											
Frequency (MHz)											
				23035	23065	23155	Turn-up time (dBm)	MPR (dB)			
				701.5	707.5	713.5					
5	QPSK	1	0	23.25	23.36	23.22	24.5	0			
5	QPSK	1	25	23.11	23.12	23.17					
5	QPSK	1	24	23.20	23.26	23.18					
5	QPSK	12	0	22.12	22.36	22.22					
5	QPSK	12	7	22.18	22.16	22.27	23.5	1			
5	QPSK	12	13	22.11	22.18	22.21					
5	QPSK	25	0	22.10	22.31	22.16					
5	16QAM	1	0	22.28	22.20	22.46					
5	16QAM	1	12	22.19	22.39	22.43	23.5	1			
5	16QAM	1	24	22.41	22.42	22.45					
5	16QAM	12	0	21.08	21.12	21.12					
5	16QAM	12	7	21.02	21.26	21.29					
5	16QAM	12	13	21.14	21.14	21.31	22.5	2			
5	16QAM	25	0	21.13	21.13	21.14					
5	64QAM	1	0	21.22	21.26	21.36					
5	64QAM	1	12	21.16	21.42	21.46					
5	64QAM	1	24	21.28	21.36	21.39	21.5	3			
5	64QAM	12	0	20.12	20.17	20.22					
5	64QAM	12	7	20.13	20.13	20.28					
5	64QAM	12	13	20.06	20.16	20.18					
5	64QAM	25	0	20.16	20.24	20.28	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				23025	23065	23165	Turn-up time (dBm)	MPR (dB)			
				700.5	707.5	714.5					
1.4	QPSK	1	0	23.28	23.32	23.34	24.5	0			
1.4	QPSK	1	3	23.19	23.15	23.25					
1.4	QPSK	1	5	23.20	23.23	23.27					
1.4	QPSK	3	0	22.28	22.31	22.34					
1.4	QPSK	3	1	23.08	23.14	23.21	23.5	1			
1.4	QPSK	3	3	23.23	23.25	23.26					
1.4	QPSK	3	5	22.13	22.26	22.22					
1.4	16QAM	1	0	22.28	22.21	22.40					
1.4	16QAM	1	3	22.27	22.41	22.41	23.5	1			
1.4	16QAM	1	5	22.38	22.39	22.51					
1.4	16QAM	3	0	22.18	22.29	22.34					
1.4	16QAM	3	1	22.14	22.16	22.21					
1.4	16QAM	3	3	22.13	22.19	22.19	22.5	2			
1.4	16QAM	1	5	21.10	21.31	21.45					
1.4	64QAM	1	0	21.24	21.26	21.28					
1.4	64QAM	1	3	21.13	21.36	21.37					
1.4	64QAM	1	5	21.27	21.31	21.45	21.5	3			
1.4	64QAM	3	0	21.09	21.12	21.21					
1.4	64QAM	3	1	21.07	21.13	21.16					
1.4	64QAM	3	3	21.08	21.15	21.24					
1.4	64QAM	6	0	20.11	20.17	20.24	21.5	3			

Band 26_Ant 0													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
				26765	26865	26965							
				821.5	831.5	841.5							
15	QPSK	1	0	23.72	23.77	23.72	25	0					
15	QPSK	1	37	23.69	23.68	23.64							
15	QPSK	1	74	23.71	23.71	23.60							
15	QPSK	36	0	22.58	22.70	22.58							
15	QPSK	36	20	22.63	22.59	22.58	24	1					
15	QPSK	36	39	22.65	22.61	22.54							
15	QPSK	75	0	22.87	22.68	22.62							
15	16QAM	1	0	22.91	22.86	22.81							
15	16QAM	1	37	22.86	22.96	22.79	24	1					
15	16QAM	1	74	22.90	22.84	22.83							
15	16QAM	36	0	21.84	21.61	21.62							
15	16QAM	36	20	21.59	21.61	21.59							
15	16QAM	36	39	21.66	21.64	21.65	23	2					
15	16QAM	75	0	21.86	21.65	21.63							
15	16QAM	1	0	21.70	21.65	21.88							
15	64QAM	1	37	21.73	21.83	21.79							
15	64QAM	1	74	21.78	21.64	21.66	23	2					
15	64QAM	36	0	20.65	20.63	20.67							
15	64QAM	36	20	20.81	20.66	20.62							
15	64QAM	36	39	20.69	20.65	20.56							
15	64QAM	75	0	20.87	20.65	20.62	22	3					
Channel													
Frequency (MHz)													
				26740	26865	26960			Turn-up time (dBm)	MPR (dB)			
				819	831.5	844							
10	QPSK	1	0	23.69	23.73	23.68	25	0					
10	QPSK	1	25	23.68	23.68	23.60							
10	QPSK	1	49	23.69	23.64	23.46							
10	QPSK	25	0	22.56	22.67	22.58							
10	QPSK	25	12	22.58	22.40	22.47	24	1					
10	QPSK	25	25	22.53	22.51	22.51							
10	QPSK	50	0	22.66	22.64	22.51							
10	16QAM	1	0	22.79	22.89	22.77							
10	16QAM	1	25	22.83	22.97	22.79	24	1					
10	16QAM	1	49	22.80	22.73	22.72							
10	16QAM	25	0	21.60	21.48	21.61							
10	16QAM	25	12	21.55	21.69	21.47							
10	16QAM	25	25	21.52	21.60	21.41	23	2					
10	16QAM	50	0	21.62	21.60	21.54							
10	16QAM	1	0	21.53	21.50	21.84							
10	16QAM	1	25	21.66	21.71	21.72							
10	16QAM	1	49	21.74	21.68	21.64	22	3					
10	16QAM	25	0	20.51	20.57	20.64							
10	16QAM	25	12	20.46	20.54	20.51							
10	16QAM	25	25	20.52	20.59	20.56							
10	16QAM	50	0	20.59	20.54	20.47							
Channel													
Frequency (MHz)													
				26615	26865	27015	Turn-up time (dBm)	MPR (dB)					
				816.5	831.5	846.5							
5	QPSK	1	0	23.71	23.73	23.69	25	0					
5	QPSK	1	12	23.69	23.66	23.68							
5	QPSK	1	24	23.59	23.48	23.44							
5	QPSK	12	0	22.66	22.66	22.57							
5	QPSK	12	7	22.82	22.49	22.47	24	1					
5	QPSK	12	13	22.86	22.57	22.41							
5	QPSK	25	0	22.56	22.63	22.49							
5	16QAM	1	0	22.82	22.81	22.83							
5	16QAM	1	12	22.81	22.86	22.77	24	1					
5	16QAM	1	24	22.79	22.77	22.76							
5	16QAM	12	0	21.61	21.46	21.58							
5	16QAM	12	7	21.48	21.65	21.58							
5	16QAM	12	13	21.69	21.52	21.53	23	2					
5	16QAM	25	0	21.54	21.65	21.57							
5	64QAM	1	0	21.57	21.55	21.80							
5	64QAM	1	12	21.71	21.78	21.65							
5	64QAM	1	24	21.62	21.62	21.59	22	3					
5	64QAM	12	0	20.54	20.58	20.60							
5	64QAM	12	7	20.58	20.64	20.52							
5	64QAM	12	13	20.62	20.58	20.47							
5	64QAM	25	0	20.65	20.57	20.51							
Channel													
Frequency (MHz)													
				26705	26865	27025	Turn-up time (dBm)	MPR (dB)					
				813.5	831.5	849.5							
1.4	QPSK	1	0	23.64	23.88	23.62	25	0					
1.4	QPSK	1	5	23.58	23.56	23.56							
1.4	QPSK	1	5	23.50	23.63	23.50							
1.4	QPSK	3	0	22.86	22.88	22.82							
1.4	QPSK	1	5	23.52	23.58	23.56	24	1					
1.4	QPSK	3	0	23.59	23.63	23.50							
1.4	QPSK	6	0	22.80	22.58	22.54							
1.4	16QAM	1	0	22.81	22.86	22.84							
1.4	16QAM	1	5	22.86	22.89	22.81	24	1					
1.4	16QAM	1	5	22.81	22.77	22.73							
1.4	16QAM	3	0	22.61	22.60	22.58							
1.4	16QAM	3	1	22.54	22.51	22.43							
1.4	16QAM	6	0	21.54	21.58	21.58	23	2					
1.4	16QAM	1	0	21.59	21.57	21.76							
1.4	16QAM	3	1	21.63	21.74	21.68							
1.4	16QAM	3	1	21.66	21.66	21.55							
1.4	16QAM	3	0	21.56	21.52	21.54	23	2					
1.4	16QAM	6	0	21.47	21.50	21.52							
1.4	16QAM	3	1	21.59	21.52	21.45							
1.4	16QAM	6	0	20.56	20.57	20.53							

Band 66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MPRR (dB)	
Channel				132072	132222	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.62	19.71	19.82	21.25	0	
20	QPSK	1	49	19.56	19.70	19.58			
20	QPSK	1	99	19.50	19.55	19.59	21.25	0	
20	QPSK	50	0	19.81	19.67	19.75			
20	QPSK	50	24	19.46	19.60	19.54	21.25	0	
20	QPSK	50	50	19.41	19.46	19.52			
20	QPSK	100	0	19.56	19.66	19.54	21.25	0	
20	16QAM	1	0	19.62	19.65	19.55			
20	16QAM	1	49	19.53	19.60	19.50	21.25	0	
20	16QAM	1	99	19.40	19.51	19.58			
20	16QAM	50	0	19.51	19.59	19.56	21.25	0	
20	16QAM	50	24	19.46	19.59	19.45			
20	16QAM	50	50	19.39	19.37	19.42	21.25	0	
20	16QAM	100	0	19.47	19.66	19.44			
20	64QAM	1	0	19.59	19.67	19.55	21.25	0	
20	64QAM	1	49	19.52	19.62	19.51			
20	64QAM	1	99	19.49	19.53	19.55	21.25	0	
20	64QAM	50	0	19.58	19.62	19.58			
20	64QAM	50	24	19.37	19.50	19.45	21.25	0	
20	64QAM	50	50	19.39	19.39	19.42			
20	64QAM	100	0	19.46	19.63	19.46			
Channel				132047	132222	132567			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.56	19.65	19.61	21.25	0	
15	QPSK	1	37	19.50	19.60	19.50			
15	QPSK	1	74	19.41	19.51	19.53	21.25	0	
15	QPSK	36	0	19.58	19.57	19.51			
15	QPSK	36	20	19.45	19.52	19.46	21.25	0	
15	QPSK	36	39	19.34	19.45	19.42			
15	QPSK	75	0	19.55	19.58	19.48	21.25	0	
15	16QAM	1	0	19.58	19.57	19.45			
15	16QAM	1	37	19.45	19.56	19.46	21.25	0	
15	16QAM	1	74	19.36	19.46	19.35			
15	16QAM	36	0	19.42	19.54	19.47	21.25	0	
15	16QAM	36	20	19.37	19.50	19.37			
15	16QAM	36	39	19.31	19.33	19.41	21.25	0	
15	16QAM	75	0	19.43	19.63	19.38			
15	64QAM	1	0	19.57	19.56	19.50	21.25	0	
15	64QAM	1	37	19.45	19.55	19.46			
15	64QAM	1	74	19.40	19.50	19.46	21.25	0	
15	64QAM	36	0	19.52	19.50	19.53			
15	64QAM	36	20	19.33	19.51	19.35	21.25	0	
15	64QAM	36	39	19.33	19.36	19.40			
15	64QAM	75	0	19.44	19.60	19.43			
Channel				132022	132222	132622			
Frequency (MHz)				1715 <th>1745<th>1775</th></th>	1745 <th>1775</th>	1775			
10	QPSK	1	0	19.56	19.66	19.53	21.25	0	
10	QPSK	1	25	19.55	19.67	19.49			
10	QPSK	1	49	19.43	19.48	19.50	21.25	0	
10	QPSK	25	0	19.51	19.57	19.48			
10	QPSK	25	12	19.41	19.53	19.46	21.25	0	
10	QPSK	25	24	19.33	19.42	19.47			
10	QPSK	50	0	19.51	19.58	19.45	21.25	0	
10	16QAM	1	0	19.57	19.60	19.54			
10	16QAM	1	25	19.46	19.57	19.41	21.25	0	
10	16QAM	1	49	19.36	19.50	19.53			
10	16QAM	25	0	19.48	19.50	19.46	21.25	0	
10	16QAM	25	12	19.44	19.54	19.37			
10	16QAM	25	25	19.31	19.36	19.39	21.25	0	
10	16QAM	50	0	19.41	19.65	19.41			
10	64QAM	1	0	19.54	19.62	19.53	21.25	0	
10	64QAM	1	25	19.44	19.57	19.44			
10	64QAM	1	49	19.41	19.47	19.49	21.25	0	
10	64QAM	25	0	19.57	19.59	19.55			
10	64QAM	25	12	19.27	19.50	19.35	21.25	0	
10	64QAM	25	25	19.35	19.35	19.40			
10	64QAM	50	0	19.42	19.53	19.40			
Channel				131997	132222	132647			
Frequency (MHz)				1712.5 <th>1745<th>1777.5</th></th>	1745 <th>1777.5</th>	1777.5			
5	QPSK	1	0	19.57	19.63	19.60	21.25	0	
5	QPSK	1	12	19.46	19.67	19.56			
5	QPSK	1	24	19.41	19.46	19.51	21.25	0	
5	QPSK	12	0	19.56	19.50	19.50			
5	QPSK	12	7	19.37	19.59	19.44	21.25	0	
5	QPSK	12	13	19.38	19.40	19.49			
5	QPSK	25	0	19.54	19.62	19.50	21.25	0	
5	16QAM	1	0	19.59	19.64	19.50			
5	16QAM	1	12	19.43	19.50	19.44	21.25	0	
5	16QAM	1	24	19.38	19.43	19.55			
5	16QAM	12	0	19.43	19.51	19.49	21.25	0	
5	16QAM	12	7	19.39	19.54	19.40			
5	16QAM	12	13	19.31	19.32	19.35	21.25	0	
5	16QAM	25	0	19.39	19.63	19.42			
5	64QAM	1	0	19.58	19.62	19.53	21.25	0	
5	64QAM	1	12	19.44	19.53	19.49			
5	64QAM	1	24	19.39	19.52	19.53	21.25	0	
5	64QAM	12	0	19.50	19.61	19.46			
5	64QAM	12	7	19.28	19.57	19.41	21.25	0	
5	64QAM	12	13	19.37	19.35	19.32			
5	64QAM	25	0	19.36	19.50	19.36			
Channel				131967	132222	132657			
Frequency (MHz)				1711.5 <th>1745<th>1776.5</th></th>	1745 <th>1776.5</th>	1776.5			
3	QPSK	1	0	19.58	19.66	19.54	21.25	0	
3	QPSK	1	8	19.49	19.60	19.57			
3	QPSK	1	14	19.43	19.45	19.54	21.25	0	
3	QPSK	8	0	19.53	19.63	19.51			
3	QPSK	8	4	19.38	19.53	19.45	21.25	0	
3	QPSK	8	7	19.37	19.42	19.47			
3	QPSK	15	0	19.50	19.43	19.50	21.25	0	
3	16QAM	1	0	19.60	19.62	19.54			
3	16QAM	1	8	19.49	19.51	19.48	21.25	0	
3	16QAM	1	14	19.31	19.43	19.50			
3	16QAM	8	0	19.42	19.52	19.53	21.25	0	
3	16QAM	8	4	19.36	19.50	19.36			
3	16QAM	8	7	19.38	19.32	19.34	21.25	0	
3	16QAM	15	0	19.44	19.65	19.39			
3	64QAM	1	0	19.58	19.59	19.48	21.25	0	
3	64QAM	1	8	19.45	19.54	19.48			
3	64QAM	1	14	19.42	19.50	19.49	21.25	0	
3	64QAM	8	0	19.52	19.59	19.52			
3	64QAM	8	4	19.29	19.55	19.40	21.25	0	
3	64QAM	8	7	19.31	19.33	19.33			
3	64QAM	15	0	19.43	19.54	19.37			
Channel				131979	132222	132669			
Frequency (MHz)				1710.7	1745 <th>1779.3</th>	1779.3			
1.4	QPSK	1	0	19.56	19.70	19.58	21.25	0	
1.4	QPSK	1	3	19.51	19.66	19.49			
1.4	QPSK	1	5	19.40	19.52	19.57	21.25	0	
1.4	QPSK	3	0	19.51	19.55	19.54			
1.4	QPSK	3	1	19.36	19.58	19.45	21.25	0	
1.4	QPSK	3	3	19.33	19.40	19.46			
1.4	QPSK	6	0	19.46	19.64	19.44	21.25	0	
1.4	QPSK	6	1	19.53	19.67	19.45			
1.4	16QAM	1	0	19.60	19.64	19.54	21.25	0	
1.4	16QAM	1	5	19.33	19.46	19.51			
1.4	16QAM	3	0	19.47	19.50	19.50	21.25	0	
1.4	16QAM	3	1	19.43	19.53	19.35			
1.4	16QAM	3	3	19.38	19.32	19.35	21.25	0	
1.4	16QAM	6	0	19.42	19.58	19.37			
1.4	64QAM	1	0	19.51	19.60	19.47	21.25	0	
1.4	64QAM	1	3	19.42	19.61	19.48			
1.4	64QAM	1	5	19.40	19.48	19.47	21.25	0	
1.4	64QAM	3	0	19.49	19.52	19.53			
1.4	64QAM	3	1	19.29	19.50	19.44	21.25	0	
1.4	64QAM	3	3	19.29	19.38	19.37			
1.4	64QAM	6	0	19.36	19.55	19.43	21.25	0	

Band 38_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	20.5	0		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.04	19.93	19.90				
20	QPSK	1	49	19.92	19.86	19.83	20.5	0		
20	QPSK	1	99	19.86	19.70	19.60				
20	QPSK	50	0	20.01	19.88	19.86				
20	QPSK	50	24	19.84	19.85	19.77	20.5	0		
20	QPSK	50	50	19.81	19.62	19.52				
20	QPSK	100	0	19.99	19.92	19.86				
20	16QAM	1	0	20.01	19.92	19.88	20.5	0		
20	16QAM	1	49	19.89	19.78	19.80				
20	16QAM	1	99	19.83	19.61	19.53				
20	16QAM	50	0	19.94	19.78	19.83	20.5	0		
20	16QAM	50	24	19.82	19.76	19.67				
20	16QAM	50	50	19.72	19.54	19.48				
20	16QAM	100	0	19.94	19.82	19.81	20.5	0		
20	64QAM	1	0	20.02	19.88	19.81				
20	64QAM	1	49	19.89	19.77	19.74				
20	64QAM	1	99	19.78	19.65	19.52	20.5	0		
20	64QAM	50	0	20.00	19.83	19.83				
20	64QAM	50	24	19.83	19.80	19.73				
20	64QAM	50	50	19.77	19.54	19.49	20.5	0		
20	64QAM	100	0	19.91	19.90	19.77				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5	20.5	0		
15	QPSK	1	0	19.99	19.87	19.80				
15	QPSK	1	37	19.83	19.79	19.75				
15	QPSK	1	74	19.81	19.60	19.54	20.5	0		
15	QPSK	36	0	20.00	19.79	19.82				
15	QPSK	36	20	19.76	19.84	19.76				
15	QPSK	36	39	19.78	19.56	19.44	20.5	0		
15	QPSK	75	0	19.99	19.88	19.83				
15	16QAM	1	0	19.99	19.91	19.83				
15	16QAM	1	37	19.88	19.68	19.76	20.5	0		
15	16QAM	1	74	19.77	19.57	19.47				
15	16QAM	36	0	19.93	19.68	19.73				
15	16QAM	36	20	19.79	19.67	19.64	20.5	0		
15	16QAM	36	39	19.65	19.45	19.45				
15	16QAM	75	0	19.90	19.77	19.74				
15	64QAM	1	0	19.95	19.82	19.76	20.5	0		
15	64QAM	1	37	19.83	19.75	19.66				
15	64QAM	1	74	19.71	19.61	19.44				
15	64QAM	36	0	19.95	19.76	19.81	20.5	0		
15	64QAM	36	20	19.77	19.77	19.69				
15	64QAM	36	39	19.71	19.44	19.40				
15	64QAM	75	0	19.87	19.81	19.76	20.5	0		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615	20.5	0		
10	QPSK	1	0	20.01	19.91	19.82				
10	QPSK	1	25	19.90	19.77	19.75				
10	QPSK	1	49	19.80	19.62	19.57	20.5	0		
10	QPSK	25	0	19.94	19.85	19.76				
10	QPSK	25	12	19.83	19.84	19.74				
10	QPSK	25	25	19.73	19.60	19.48	20.5	0		
10	QPSK	50	0	19.97	19.85	19.82				
10	16QAM	1	0	19.93	19.86	19.82				
10	16QAM	1	25	19.82	19.70	19.74	20.5	0		
10	16QAM	1	49	19.79	19.58	19.51				
10	16QAM	25	0	19.91	19.68	19.81				
10	16QAM	25	12	19.80	19.66	19.57	20.5	0		
10	16QAM	25	25	19.63	19.49	19.46				
10	16QAM	50	0	19.92	19.75	19.75				
10	64QAM	1	0	19.99	19.85	19.73	20.5	0		
10	64QAM	1	25	19.86	19.74	19.68				
10	64QAM	1	49	19.71	19.61	19.46				
10	64QAM	25	0	19.90	19.76	19.76	20.5	0		
10	64QAM	25	12	19.74	19.76	19.71				
10	64QAM	25	25	19.76	19.52	19.42				
10	64QAM	50	0	19.84	19.82	19.73	20.5	0		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5	20.5	0		
5	QPSK	1	0	20.02	19.84	19.88				
5	QPSK	1	12	19.90	19.80	19.75				
5	QPSK	1	24	19.80	19.68	19.53	20.5	0		
5	QPSK	12	0	19.99	19.81	19.82				
5	QPSK	12	7	19.83	19.80	19.72				
5	QPSK	12	13	19.75	19.56	19.51	20.5	0		
5	QPSK	25	0	19.91	19.85	19.76				
5	16QAM	1	0	19.98	19.88	19.82				
5	16QAM	1	12	19.80	19.76	19.75	20.5	0		
5	16QAM	1	24	19.76	19.60	19.44				
5	16QAM	12	0	19.85	19.73	19.74				
5	16QAM	12	7	19.79	19.67	19.58	20.5	0		
5	16QAM	12	13	19.62	19.46	19.47				
5	16QAM	25	0	19.88	19.81	19.78				
5	64QAM	1	0	19.93	19.80	19.74	20.5	0		
5	64QAM	1	12	19.86	19.68	19.73				
5	64QAM	1	24	19.75	19.56	19.44				
5	64QAM	12	0	19.98	19.80	19.74	20.5	0		
5	64QAM	12	7	19.76	19.75	19.63				
5	64QAM	12	13	19.75	19.51	19.43				
5	64QAM	25	0	19.81	19.83	19.69	20.5	0		

Band 41_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21.25	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.94	20.85	20.11	19.54	19.62		
20	QPSK	1	49	21.16	20.75	20.13	19.50	19.60	21.25	0
20	QPSK	1	99	21.25	20.87	20.19	19.57	19.65		
20	QPSK	50	0	20.85	20.75	20.09	19.48	19.59		
20	QPSK	50	24	21.14	20.72	20.03	19.44	19.58	21.25	0
20	QPSK	50	50	21.15	20.82	20.11	19.51	19.61		
20	QPSK	100	0	20.86	20.77	20.07	19.52	19.64		
20	16QAM	1	0	20.84	20.84	20.04	19.51	19.59	21.25	0
20	16QAM	1	49	21.14	20.70	20.09	19.40	19.59		
20	16QAM	1	99	21.22	20.86	20.15	19.52	19.60		
20	16QAM	50	0	20.82	20.66	20.01	19.39	19.51	21.25	0
20	16QAM	50	24	21.08	20.64	20.02	19.42	19.57		
20	16QAM	50	50	21.13	20.81	20.04	19.41	19.53		
20	16QAM	100	0	20.84	20.71	19.99	19.46	19.55	21.25	0
20	64QAM	1	0	20.74	20.81	20.01	19.41	19.50		
20	64QAM	1	49	21.10	20.66	20.01	19.36	19.52	21.25	0
20	64QAM	1	99	21.17	20.85	20.05	19.47	19.50		
20	64QAM	50	0	20.75	20.58	19.96	19.31	19.43	21.25	0
20	64QAM	50	24	21.05	20.54	19.99	19.37	19.56		
20	64QAM	50	50	21.05	20.74	19.96	19.32	19.48		
20	64QAM	100	0	20.78	20.63	19.98	19.43	19.50		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.88	20.79	20.03	19.53	19.59	21.25	0
15	QPSK	1	37	21.10	20.69	20.09	19.46	19.55		
15	QPSK	1	74	21.16	20.86	20.16	19.51	19.55		
15	QPSK	36	0	20.84	20.68	19.99	19.40	19.50	21.25	0
15	QPSK	36	20	21.10	20.71	19.98	19.34	19.56		
15	QPSK	36	39	21.14	20.80	20.02	19.43	19.59		
15	QPSK	75	0	20.82	20.69	20.04	19.49	19.58	21.25	0
15	16QAM	1	0	20.78	20.82	20.00	19.43	19.52		
15	16QAM	1	37	21.08	20.61	20.02	19.39	19.52		
15	16QAM	1	74	21.12	20.83	20.12	19.44	19.51		
15	16QAM	36	0	20.72	20.61	19.91	19.32	19.45		
15	16QAM	36	20	21.07	20.61	19.93	19.40	19.49	21.25	0
15	16QAM	36	39	21.08	20.74	20.01	19.31	19.47		
15	16QAM	75	0	20.78	20.68	19.93	19.38	19.47		
15	64QAM	1	0	20.65	20.74	19.94	19.35	19.41	21.25	0
15	64QAM	1	37	21.08	20.65	19.97	19.30	19.51		
15	64QAM	1	74	21.11	20.78	19.98	19.46	19.46		
15	64QAM	36	0	20.70	20.55	19.88	19.29	19.33	21.25	0
15	64QAM	36	20	21.04	20.47	19.90	19.30	19.47		
15	64QAM	36	39	21.02	20.73	19.95	19.37	19.46		
15	64QAM	75	0	20.77	20.59	19.97	19.41	19.44		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.84	20.77	20.01	19.47	19.57	21.25	0
10	QPSK	1	25	21.11	20.67	20.09	19.43	19.56		
10	QPSK	1	49	21.19	20.79	20.10	19.56	19.62		
10	QPSK	25	0	20.84	20.71	20.04	19.46	19.49	21.25	0
10	QPSK	25	12	21.13	20.70	20.02	19.34	19.57		
10	QPSK	25	25	21.10	20.77	20.02	19.48	19.59		
10	QPSK	50	0	20.80	20.70	20.06	19.51	19.62	21.25	0
10	16QAM	1	0	20.78	20.83	19.98	19.44	19.50		
10	16QAM	1	25	21.07	20.65	20.07	19.31	19.58		
10	16QAM	1	49	21.14	20.81	20.10	19.46	19.53		
10	16QAM	25	0	20.80	20.58	19.95	19.36	19.44		
10	16QAM	25	12	20.98	20.60	19.98	19.34	19.53	21.25	0
10	16QAM	25	25	21.09	20.71	19.95	19.36	19.45		
10	16QAM	50	0	20.76	20.70	19.97	19.37	19.54		
10	64QAM	1	0	20.72	20.80	20.00	19.32	19.40	21.25	0
10	64QAM	1	25	21.09	20.65	19.92	19.31	19.46		
10	64QAM	1	49	21.12	20.77	19.99	19.39	19.41		
10	64QAM	25	0	20.74	20.49	19.89	19.25	19.39	21.25	0
10	64QAM	25	12	21.04	20.53	19.98	19.29	19.54		
10	64QAM	25	25	21.02	20.69	19.87	19.28	19.40		
10	64QAM	50	0	20.76	20.57	19.90	19.41	19.45		
Channel				39675	40148	40620	41066.2	41567.2		
Frequency (MHz)				2498.5	2545.8	2593	2640.60	2687.7	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.87	20.77	20.03	19.49	19.54	21.25	0
5	QPSK	1	12	21.08	20.70	20.10	19.48	19.57		
5	QPSK	1	24	21.21	20.86	20.12	19.51	19.58		
5	QPSK	12	0	20.79	20.66	20.06	19.46	19.57	21.25	0
5	QPSK	12	7	21.10	20.69	19.99	19.37	19.52		
5	QPSK	12	13	21.14	20.72	20.06	19.49	19.59		
5	QPSK	25	0	20.82	20.68	19.99	19.49	19.61	21.25	0
5	16QAM	1	0	20.78	20.78	19.98	19.43	19.53		
5	16QAM	1	12	21.09	20.68	20.05	19.39	19.56		
5	16QAM	1	24	21.15	20.83	20.06	19.42	19.50	21.25	0
5	16QAM	12	0	20.75	20.61	19.91	19.34	19.50		
5	16QAM	12	7	21.04	20.55	19.98	19.36	19.48		
5	16QAM	12	13	21.12	20.73	19.97	19.37	19.50		
5	16QAM	25	0	20.76	20.68	19.98	19.44	19.50		
5	64QAM	1	0	20.65	20.72	19.94	19.39	19.47	21.25	0
5	64QAM	1	12	21.00	20.64	19.99	19.32	19.44		
5	64QAM	1	24	21.14	20.75	20.02	19.39	19.48		
5	64QAM	12	0	20.67	20.56	19.90	19.30	19.42	21.25	0
5	64QAM	12	7	20.98	20.48	19.94	19.35	19.51		
5	64QAM	12	13	20.98	20.72	19.90	19.45	19.46		
5	64QAM	25	0	20.76	20.61	19.94	19.38	19.45		

Band 2_Ant4														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
				18700	18800	19100								
				18800	18800	19000								
20	QPSK	1	0	23.05	23.08	22.85	24.5	0						
20	QPSK	1	49	22.89	22.73	22.84								
20	QPSK	1	99	22.79	22.82	22.75								
20	QPSK	50	0	21.99	22.01	21.93								
20	QPSK	50	24	21.96	21.77	21.74	23.5	1						
20	QPSK	50	50	21.96	21.99	21.79								
20	QPSK	100	0	21.88	21.95	21.76								
20	16QAM	1	0	22.10	21.86	21.89								
20	16QAM	1	49	22.12	22.26	21.96	23.5	1						
20	16QAM	1	99	22.11	22.05	22.03								
20	16QAM	50	0	21.04	20.88	20.73								
20	16QAM	50	24	20.99	20.77	20.82								
20	16QAM	50	50	20.91	21.05	20.84	22.5	2						
20	16QAM	100	0	20.94	20.74	20.75								
20	16QAM	1	1	0	20.88	21.10	21.04							
20	16QAM	1	49	21.10	20.78	20.95	22.5				2			
20	16QAM	1	99	21.01	20.91	20.98								
20	16QAM	50	0	20.03	19.86	19.74	21.5	3						
20	16QAM	50	24	19.98	19.75	19.79								
20	16QAM	50	50	19.92	19.98	19.78								
20	16QAM	100	0	19.95	19.78	19.76								
Channel														
Frequency (MHz)														
				18875	18900	19125								
				18875	18800	19025								
15	QPSK	1	0	23.00	23.01	22.81	24.5				0			
15	QPSK	1	99	22.87	22.87	22.70								
15	QPSK	1	74	22.65	22.80	22.65								
15	QPSK	36	0	21.89	21.87	21.76								
15	QPSK	36	20	21.88	21.86	21.68	23.5	1						
15	QPSK	36	39	21.90	21.91	21.68								
15	QPSK	75	0	21.76	21.82	21.71								
15	16QAM	1	0	21.97	21.85	21.85								
15	16QAM	1	37	22.10	22.02	21.75	23.5	1						
15	16QAM	1	74	21.97	22.00	21.96								
15	16QAM	36	0	21.01	20.87	20.88								
15	16QAM	36	20	20.98	20.85	20.84								
15	16QAM	36	39	20.85	21.02	20.73	22.5	2						
15	16QAM	75	0	20.93	20.81	20.61								
15	16QAM	1	0	20.76	21.05	21.01								
15	16QAM	1	37	20.99	20.85	20.87								
15	16QAM	1	74	20.98	20.84	20.84	21.5	3						
15	16QAM	36	0	19.97	19.79	19.71								
15	16QAM	36	20	19.94	19.85	19.72								
15	16QAM	36	39	19.88	19.94	19.65								
15	16QAM	75	0	19.83	19.75	19.72								
Channel														
Frequency (MHz)														
				18650	18900	19150								
				18650	18800	19050								
10	QPSK	1	0	22.90	22.93	22.83	24.5	0						
10	QPSK	1	25	22.78	22.59	22.70								
10	QPSK	1	49	22.72	22.79	22.61								
10	QPSK	25	0	21.87	21.86	21.74								
10	QPSK	25	12	21.84	21.84	21.64	23.5	1						
10	QPSK	25	25	21.83	21.89	21.74								
10	QPSK	50	0	21.80	21.93	21.61								
10	16QAM	1	0	22.07	21.78	21.86								
10	16QAM	1	25	22.02	22.02	21.81	23.5	1						
10	16QAM	1	49	22.06	21.99	21.94								
10	16QAM	25	0	20.98	20.78	20.98								
10	16QAM	25	12	20.89	20.74	20.81								
10	16QAM	25	25	20.87	21.04	20.82	22.5	2						
10	16QAM	50	0	20.82	20.61	20.63								
10	16QAM	1	0	20.73	21.00	21.03								
10	16QAM	1	25	20.98	20.77	20.98								
10	16QAM	1	49	20.99	20.83	20.89	21.5	3						
10	16QAM	25	0	19.92	19.84	19.62								
10	16QAM	25	12	19.96	19.73	19.70								
10	16QAM	25	25	19.78	19.97	19.74								
10	16QAM	50	0	19.86	19.72	19.63								
Channel														
Frequency (MHz)														
				18625	18900	19175								
				18625	18800	19075								
5	QPSK	1	0	23.04	23.01	22.78	24.5	0						
5	QPSK	1	12	22.79	22.72	22.70								
5	QPSK	1	24	22.65	22.78	22.72								
5	QPSK	12	0	21.86	21.88	21.68								
5	QPSK	12	7	21.81	21.70	21.68	23.5	1						
5	QPSK	12	13	21.88	21.86	21.69								
5	QPSK	25	0	21.84	21.95	21.67								
5	16QAM	1	0	22.03	21.83	21.96								
5	16QAM	1	12	21.98	21.98	21.94	23.5	1						
5	16QAM	1	24	21.99	21.94	21.96								
5	16QAM	12	0	21.02	20.85	20.71								
5	16QAM	12	7	20.99	20.72	20.72								
5	16QAM	12	13	20.93	20.96	20.79	22.5	2						
5	16QAM	25	0	20.85	20.66	20.70								
5	16QAM	1	0	20.94	21.01	21.01								
5	16QAM	1	12	21.02	20.73	20.94								
5	16QAM	1	24	20.92	20.87	20.90	22.5	2						
5	16QAM	12	0	19.94	19.74	19.68								
5	16QAM	12	7	19.88	19.71	19.67								
5	16QAM	12	13	19.78	19.90	19.71								
5	16QAM	25	0	19.85	19.75	19.74	21.5	3						
Channel														
Frequency (MHz)														
				18615	18900	19165								
				18615	18800	19065								
3	QPSK	1	0	23.02	23.07	22.73	24.5	0						
3	QPSK	1	8	22.91	22.82	22.74								
3	QPSK	1	14	22.72	22.77	22.74								
3	QPSK	8	0	21.89	21.96	21.75								
3	QPSK	8	4	21.87	21.88	21.73	23.5	1						
3	QPSK	8	7	21.85	21.90	21.75								
3	QPSK	15	0	21.78	21.87	21.64								
3	16QAM	1	0	22.07	21.83	21.87								
3	16QAM	1	8	22.07	22.03	21.72	23.5	1						
3	16QAM	1	14	21.96	22.01	21.95								
3	16QAM	8	0	20.99	20.74	20.67								
3	16QAM	8	7	20.92	20.72	20.75								
3	16QAM	8	7	20.76	20.95	20.73	22.5	2						
3	16QAM	15	0	20.80	20.87	20.83								
3	16QAM	1	0	20.86	21.04	21.01								
3	16QAM	1	8	21.09	20.74	20.89								
3	16QAM	1	14	20.95	20.78	20.84	22.5	2						
3	16QAM	8	0	20.01	19.78	19.71								
3	16QAM	8	4	19.92	19.82	19.72								
3	16QAM	8	7	19.84	19.85	19.66								
3	16QAM	15	0	19.89	19.70	19.70	21.5	3						
Channel														
Frequency (MHz)														
				18598	18800	19063								
1.4	QPSK	1	0	22.98	23.01	22.77	24.5	0						
1.4	QPSK	1	8	22.83	22.67	22.78								
1.4	QPSK	1	5	22.71	22.58	22.66								
1.4	QPSK	3	0	22.60	22.61	22.76								
1.4	QPSK	3	1	22.79	22.67	22.67	23.5	1						
1.4	QPSK	3	3	22.69	22.58	22.68								
1.4	QPSK	6	0	21.76	21.90	21.67								
1.4	16QAM	1	0	21.78	22.06	21.87								
1.4	16QAM	1	3	21.70	21.99	21.76	23.5	1						
1.4	16QAM	1	5	21.81	21.98	21.84								
1.4	16QAM	3	0	21.89	21.93	21.75								
1.4	16QAM	3	3	21.84	21.69	21.64								
1.4	16QAM	3	3	21.86	21.59	21.73	22.5	2						
1.4	16QAM	6	0	20.97	20.89	20.89								
1.4	16QAM	1	0	21.05	21.04	20.93								
1.4	16QAM	1	3	20.91	20.72	20.89								
1.4	16QAM	1	5	20.96	20.79	20.85	22.5	2						
1.4	16QAM	3	0	20.95	20.80	20.67								
1.4	16QAM	3	1	20.96	20.72	20.74								
1.4	16QAM	3	3	20.83	20.63	20.70								
1.4	16QAM	6	0	19.86	19.70	19.70	21.5	3						

Band 5_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power/Power Ch / Freq	Power/Power Ch / Freq	Power/Power Ch / Freq	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
				20450	20500	20600						
				826.5	836.5	846.5						
10	QPSK	1	0	23.82	23.85	23.84	25	0				
10	QPSK	1	25	23.80	23.83	23.72						
10	QPSK	1	49	23.78	23.72	23.72						
10	QPSK	25	0	22.83	22.87	22.80						
10	QPSK	25	12	22.80	22.84	22.80						
10	QPSK	25	25	22.82	22.83	22.77	24	1				
10	QPSK	50	0	22.81	22.83	22.77						
10	16QAM	1	0	23.83	23.85	23.88						
10	16QAM	1	25	23.79	23.76	23.79						
10	16QAM	1	49	23.80	22.97	22.95						
10	16QAM	25	0	21.80	21.87	21.83	23	2				
10	16QAM	25	12	21.78	21.79	21.76						
10	16QAM	25	25	21.82	21.82	21.74						
10	16QAM	50	0	21.80	21.86	21.80						
10	16QAM	50	12	21.80	21.86	22.03						
10	64QAM	1	25	21.88	21.96	21.88	23	2				
10	64QAM	1	49	21.97	21.99	21.87						
10	64QAM	25	0	20.82	20.83	20.79						
10	64QAM	25	12	20.77	20.78	20.74						
10	64QAM	25	25	20.83	20.79	20.72						
10	64QAM	50	0	20.83	20.79	20.77						
Channel												
Frequency (MHz)												
				20425	20525	20625	Turn-up time (dBm)	MPR (dB)				
				826.5	836.5	846.5						
5	QPSK	1	0	23.73	23.82	23.74	25	0				
5	QPSK	1	25	23.71	23.77	23.72						
5	QPSK	1	24	23.68	23.64	23.67						
5	QPSK	12	0	22.77	22.81	22.76						
5	QPSK	12	7	22.76	22.79	22.71						
5	QPSK	12	13	22.77	22.77	22.69	24	1				
5	QPSK	25	0	22.71	22.76	22.72						
5	16QAM	1	0	22.98	22.95	22.99						
5	16QAM	1	12	22.88	23.00	22.92						
5	16QAM	1	24	22.97	22.92	22.90						
5	16QAM	12	0	21.70	21.82	21.78	23	2				
5	16QAM	12	7	21.68	21.86	21.66						
5	16QAM	12	13	21.70	21.75	21.65						
5	16QAM	25	0	21.77	21.78	21.71						
5	64QAM	1	0	21.81	21.81	21.97						
5	64QAM	1	12	21.83	21.86	21.78	23	2				
5	64QAM	1	24	21.88	21.91	21.78						
5	64QAM	12	0	20.73	20.77	20.73						
5	64QAM	12	7	20.69	20.70	20.64						
5	64QAM	12	13	20.78	20.73	20.62						
5	64QAM	25	0	20.74	20.72	20.67						
Channel												
Frequency (MHz)												
				20415	20525	20635	Turn-up time (dBm)	MPR (dB)				
				825.5	836.5	847.5						
3	QPSK	1	0	23.73	23.83	23.77	25	0				
3	QPSK	1	8	23.74	23.74	23.62						
3	QPSK	1	14	23.72	23.68	23.64						
3	QPSK	8	0	22.76	22.79	22.75						
3	QPSK	8	7	22.77	22.76	22.72						
3	QPSK	15	0	22.73	22.78	22.67	24	1				
3	16QAM	1	0	22.96	22.98	22.98						
3	16QAM	1	8	22.89	22.98	22.92						
3	16QAM	1	14	22.98	22.89	22.89						
3	16QAM	8	0	21.78	21.77	21.74						
3	16QAM	8	4	21.72	21.71	21.71	23	2				
3	16QAM	8	7	21.75	21.76	21.65						
3	16QAM	15	0	21.77	21.76	21.68						
3	64QAM	1	0	21.85	21.81	21.87						
3	64QAM	1	8	21.81	21.89	21.80						
3	64QAM	1	14	21.89	21.90	21.77	22	3				
3	64QAM	8	0	20.78	20.78	20.71						
3	64QAM	8	4	20.72	20.66	20.65						
3	64QAM	8	7	20.73	20.69	20.66						
3	64QAM	15	0	20.74	20.75	20.72						
Channel												
Frequency (MHz)												
				20427	20525	20643	Turn-up time (dBm)	MPR (dB)				
				824.7	836.5	848.3						
1.4	QPSK	1	0	23.77	23.84	23.75	25	0				
1.4	QPSK	1	3	23.73	23.78	23.62						
1.4	QPSK	1	5	23.71	23.63	23.63						
1.4	QPSK	3	0	23.77	23.81	23.75						
1.4	QPSK	3	1	23.71	23.74	23.63						
1.4	QPSK	3	3	23.69	23.83	23.65	24	1				
1.4	QPSK	6	0	22.71	22.78	22.68						
1.4	16QAM	1	0	22.96	22.96	23.02						
1.4	16QAM	1	3	22.91	23.01	23.02						
1.4	16QAM	1	5	22.96	22.92	22.88						
1.4	16QAM	3	0	22.78	22.78	22.76	24	1				
1.4	16QAM	3	1	22.72	22.79	22.72						
1.4	16QAM	3	3	22.73	22.76	22.68						
1.4	16QAM	6	0	21.73	21.78	21.70						
1.4	16QAM	6	0	21.83	21.76	21.96						
1.4	64QAM	1	3	21.81	21.80	21.83	23	2				
1.4	64QAM	1	5	21.87	21.87	21.80						
1.4	64QAM	3	0	21.72	21.82	21.76						
1.4	64QAM	3	1	21.76	21.71	21.71						
1.4	64QAM	3	3	21.73	21.77	21.67						
1.4	64QAM	6	0	20.78	20.72	20.71	22	3				

Band 7_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
				20850	21100	21350						
				2610	2635	2660						
20	QPSK	1	0	23.81	23.88	23.79	24.5	0				
20	QPSK	1	49	23.80	23.50	22.96						
20	QPSK	1	99	23.80	23.25	23.08						
20	QPSK	50	0	22.77	22.77	22.59						
20	QPSK	50	24	22.72	22.48	21.90						
20	QPSK	50	50	22.83	22.34	22.01	23.5	1				
20	QPSK	100	0	22.82	22.63	22.05						
20	16QAM	1	0	22.54	22.49	22.51						
20	16QAM	1	49	22.40	22.46	21.81						
20	16QAM	1	99	22.41	22.21	21.95						
20	16QAM	50	0	21.54	21.57	20.97	22.5	2				
20	16QAM	50	24	21.88	21.46	20.96						
20	16QAM	50	50	21.70	21.34	20.85						
20	16QAM	100	0	21.83	21.43	20.88						
20	16QAM	1	99	21.59	21.54	20.94						
20	64QAM	1	49	21.83	21.72	20.87	22.5	2				
20	64QAM	1	99	21.88	21.26	20.82						
20	64QAM	50	0	20.59	20.68	19.80						
20	64QAM	50	24	20.87	20.46	19.97						
20	64QAM	50	50	20.74	20.31	19.95						
20	64QAM	100	0	20.87	20.42	19.86						
Channel												
Frequency (MHz)												
				20825	21100	21375	Turn-up time (dBm)	MPR (dB)				
				2587.5	2635	2682.5						
20	QPSK	1	0	23.81	23.88	23.78	24.5	0				
20	QPSK	1	49	23.80	23.45	22.95						
20	QPSK	1	99	23.80	23.25	23.08						
20	QPSK	50	0	22.77	22.77	22.59						
20	QPSK	50	24	22.72	22.48	21.90						
20	QPSK	50	50	22.83	22.34	22.01	23.5	1				
20	QPSK	100	0	22.82	22.63	22.05						
20	16QAM	1	0	22.54	22.49	22.51						
20	16QAM	1	49	22.40	22.46	21.81						
20	16QAM	1	99	22.41	22.21	21.95						
20	16QAM	50	0	21.54	21.57	20.97	22.5	2				
20	16QAM	50	24	21.88	21.46	20.96						
20	16QAM	50	50	21.70	21.34	20.85						
20	16QAM	100	0	21.83	21.43	20.88						
20	16QAM	1	99	21.59	21.54	20.94						
20	64QAM	1	49	21.83	21.72	20.87	22.5	2				
20	64QAM	1	99	21.88	21.26	20.82						
20	64QAM	50	0	20.59	20.68	19.80						
20	64QAM	50	24	20.87	20.46	19.97						
20	64QAM	50	50	20.74	20.31	19.95						
20	64QAM	100	0	20.87	20.42	19.86						
Channel												
Frequency (MHz)												
				20825	21100	21375	Turn-up time (dBm)	MPR (dB)				
				2587.5	2635	2682.5						
20	QPSK	1	0	23.81	23.88	23.78	24.5	0				
20	QPSK	1	25	23.88	23.37	22.87						
20	QPSK	1	49	23.84	23.23	23.04						
20	QPSK	50	0	22.83	22.45	22.05						
20	QPSK	50	12	22.71	22.47	21.82						
20	QPSK	25	12	22.53	22.26	21.96	23.5	1				
20	QPSK	50	0	22.49	22.35	21.99						
20	QPSK	50	24	22.52	22.18	21.88						
20	16QAM	1	25	22.27	22.38	21.95						
20	16QAM	1	49	22.26	22.19	21.89						
20	16QAM	25	0	21.53	21.56	20.85	22.5	2				
20	16QAM	25	12	21.62	21.45	20.90						
20	16QAM	25	24	21.56	21.28	20.90						
20	16QAM	50	0	21.55	21.38	20.82						
20	64QAM	1	0	21.45	21.43	20.81						
20	64QAM	1	25	21.68	21.57	20.85	22.5	2				
20	64QAM	1	49	21.73	21.25	20.88						
20	64QAM	25	0	20.48	20.53	19.93						
20	64QAM	25	12	20.52	20.42	19.85						
20	64QAM	25	24	20.44	20.25	19.89						
20	64QAM	50	0	20.81	20.31	19.83						
Channel												
Frequency (MHz)												
				20825	21100	21425	Turn-up time (dBm)	MPR (dB)				
				2587.5	2635	2732.5						
20	QPSK	1	0	23.87	23.87	23.87	24.5	0				
20	QPSK	1	24	23.54	23.40	22.85						
20	QPSK	12	0	22.82	22.88	22.83						
20	QPSK	12	7	22.68	22.68	22.69						
20	QPSK	12	13	22.60	22.38	21.89						
20	QPSK	25	0	22.56	22.58	21.99	23.5	1				
20	16QAM	1	0	22.46	22.42	21.99						
20	16QAM	1	12	22.29	22.46	21.86						
20	16QAM	1	24	22.38	21.78	21.91						
20	16QAM	12	0	21.48	21.54	20.85						
20	16QAM	12	7	21.64	21.43	20.89	22.5	2				
20	16QAM	12	13	21.82	21.32	20.93						
20	16QAM	25	0	21.48	21.29	20.96						
20	16QAM	1	12	21.48	21.48	21.00						
20	16QAM	1	12	21.71	21.63	20.95						
20	64QAM	1	24	21.64	21.14	20.88	22.5	3				
20	64QAM	12	0	20.80	20.42	19.84						
20	64QAM	12	7	20.94	20.26	19.81						
20	64QAM	12	13	20.69	20.17	19.80						
20	64QAM	25	0	20.61	20.40	19.86						



Band 12_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Med Ch / Freqs	Power High Ch / Freqs	Turn-up (dB)	MPR (dB)			
Channel											
Frequency (MHz)				23060	23065	23130					
				704	707.5	711					
10	QPSK	1	0	23.35	23.40	23.35					
10	QPSK	1	25	23.20	23.23	23.32	24.5	0			
10	QPSK	1	40	23.30	23.33	23.33					
10	QPSK	25	0	22.23	22.27	22.25					
10	QPSK	25	12	22.23	22.23	22.23	23.5	1			
10	QPSK	25	25	22.21	22.26	22.25					
10	QPSK	50	0	22.23	22.32	22.31					
10	16QAM	1	0	22.36	22.29	22.59					
10	16QAM	1	25	22.34	22.47	22.51	23.5	1			
10	16QAM	1	40	22.40	22.49	22.60					
10	16QAM	25	0	21.17	21.18	21.27					
10	16QAM	25	12	21.14	21.23	21.26	22.5	2			
10	16QAM	25	25	21.17	21.26	21.33					
10	64QAM	1	0	21.30	21.27	21.37					
10	64QAM	1	40	21.32	21.36	21.37					
10	64QAM	1	25	21.22	21.44	21.48	22.5	2			
10	64QAM	1	40	21.33	21.41	21.52					
10	64QAM	25	0	20.21	20.20	20.27					
10	64QAM	25	15	20.20	20.25	20.34	21.5	3			
10	64QAM	25	25	20.24	20.27	20.31					
10	64QAM	50	0	20.22	20.27	20.31					
Channel											
Frequency (MHz)				23035	23065	23155	Turn-up (dB)	MPR (dB)			
				701.5	707.5	713.5					
5	QPSK	1	0	23.25	23.36	23.22					
5	QPSK	1	25	23.11	23.17	23.17	24.5	0			
5	QPSK	1	24	23.20	23.26	23.18					
5	QPSK	12	0	22.12	22.26	22.22					
5	QPSK	12	7	22.18	22.16	22.27	23.5	1			
5	QPSK	25	0	22.19	22.31	22.19					
5	16QAM	1	0	22.28	22.20	22.40					
5	16QAM	1	12	22.19	22.39	22.43	23.5	1			
5	16QAM	1	24	22.41	22.42	22.45					
5	16QAM	12	0	21.08	21.12	21.12					
5	16QAM	12	7	21.02	21.26	21.29	22.5	2			
5	16QAM	12	13	21.14	21.14	21.31					
5	64QAM	1	0	21.22	21.26	21.36					
5	64QAM	1	12	21.16	21.42	21.46	22.5	2			
5	64QAM	1	24	21.28	21.36	21.39					
5	64QAM	12	0	20.12	20.17	20.22					
5	64QAM	12	7	20.13	20.13	20.28	21.5	3			
5	64QAM	12	13	20.08	20.16	20.18					
5	64QAM	25	0	20.16	20.24	20.28					
Channel											
Frequency (MHz)				23025	23065	23155	Turn-up (dB)	MPR (dB)			
				700.5	707.5	714.5					
1.4	QPSK	1	0	23.28	23.32	23.30					
1.4	QPSK	1	8	23.14	23.15	23.25	24.5	0			
1.4	QPSK	1	5	23.20	23.23	23.27					
1.4	QPSK	3	0	22.28	22.31	22.29					
1.4	QPSK	3	1	22.09	22.14	22.21	23.5	1			
1.4	QPSK	3	3	22.23	22.25	22.26					
1.4	QPSK	3	0	22.13	22.26	22.22	23.5	1			
1.4	16QAM	1	0	22.28	22.21	22.40					
1.4	16QAM	1	3	22.27	22.41	22.41					
1.4	16QAM	1	5	22.38	22.39	22.51	23.5	1			
1.4	16QAM	3	0	22.18	22.29	22.24					
1.4	16QAM	3	1	22.14	22.19	22.21					
1.4	16QAM	3	3	22.13	22.19	22.15					
1.4	64QAM	1	0	21.11	21.09	21.19	22.5	2			
1.4	64QAM	1	0	21.24	21.26	21.28					
1.4	64QAM	1	3	21.13	21.36	21.37					
1.4	64QAM	1	5	21.27	21.31	21.45	22.5	2			
1.4	64QAM	3	0	21.08	21.12	21.21					
1.4	64QAM	3	1	21.07	21.13	21.16					
1.4	64QAM	3	3	21.08	21.15	21.24					
1.4	64QAM	6	0	20.11	20.17	20.24	21.5	3			

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Med Ch / Freqs	Power High Ch / Freqs	Turn-up (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
				26765	26865	26965					
				819	831.5	844					
15	QPSK	1	0	23.72	23.77	23.72					
15	QPSK	1	37	23.69	23.68	23.64	25	0			
15	QPSK	1	74	23.71	23.71	23.60					
15	QPSK	36	0	22.65	22.70	22.65					
15	QPSK	36	20	22.63	22.59	22.58	24	1			
15	QPSK	36	39	22.65	22.61	22.54					
15	QPSK	75	0	22.67	22.68	22.62					
15	16QAM	1	0	22.91	22.86	22.81					
15	16QAM	1	37	22.89	22.86	22.79	24	1			
15	16QAM	1	74	22.92	22.84	22.83					
15	16QAM	36	0	21.84	21.61	21.62					
15	16QAM	36	20	21.59	21.61	21.59	23	2			
15	16QAM	36	39	21.66	21.64	21.65					
15	16QAM	75	0	21.65	21.65	21.63					
15	64QAM	1	37	21.70	21.65	21.68	23	2			
15	64QAM	1	74	21.73	21.83	21.79					
15	64QAM	36	0	20.65	20.63	20.67					
15	64QAM	36	20	20.81	20.65	20.62	22	3			
15	64QAM	36	39	20.69	20.65	20.56					
15	64QAM	75	0	20.67	20.65	20.62					
Channel											
Frequency (MHz)											
				26740	26865	26960	Turn-up (dB)	MPR (dB)			
				819	831.5	844					
10	QPSK	1	0	23.66	23.73	23.68					
10	QPSK	1	25	23.58	23.58	23.57	25	0			
10	QPSK	1	40	23.69	23.64	23.46					
10	QPSK	25	0	22.55	22.64	22.59					
10	QPSK	25	12	22.58	22.49	22.47	24	1			
10	QPSK	25	25	22.53	22.51	22.51					
10	QPSK	50	0	22.56	22.54	22.61					
10	16QAM	1	0	22.79	22.80	22.77					
10	16QAM	1	25	22.83	22.91	22.76	24	1			
10	16QAM	25	0	21.80	21.48	21.61					
10	16QAM	25	12	21.58	21.58	21.47	23	2			
10	16QAM	25	25	21.62	21.60	21.41					
10	16QAM	50	0	21.87	21.62	21.50					
10	16QAM	50	0	21.63	21.50	21.84					
10	16QAM	1	25	21.65	21.71	21.72	23	2			
10	16QAM	1	49	21.74	21.58	21.64					
10	16QAM	25	0	20.51	20.67	20.64					
10	16QAM	25	12	20.53	20.54	20.51	22	3			
10	16QAM	25	25	20.52	20.50	20.55					
10	16QAM	50	0	20.59	20.54	20.47					
Channel											
Frequency (MHz)											
				26715	26865	27015	Turn-up (dB)	MPR (dB)			
				816.5	831.5	846.5					
5	QPSK	1	0	23.71	23.73	23.69					
5	QPSK	1	25	23.59	23.68	23.64	25	0			
5	QPSK	1	24	23.59	23.68	23.54					
5	QPSK	12	0	22.65	22.68	22.57					
5	QPSK	12	7	22.62	22.49	22.47	24	1			
5	QPSK	12	13	22.58	22.57	22.41					
5	QPSK	12	25	22.56	22.43	22.41					
5	16QAM	1	0	22.92	22.81	22.82					
5	16QAM	1	12	22.81	22.88	22.77	24	1			
5	16QAM	1	24	22.79	22.77	22.76					
5	16QAM	12	0	21.61	21.48	21.58					
5	16QAM	12	7	21.46	21.55	21.51	23	2			
5	16QAM	12	13	21.60	21.52	21.53					
5	16QAM	25	0	21.54	21.55	21.57					
5	16QAM	1	0	21.57	21.55	21.80					
5	16QAM	1	12	21.71	21.79	21.65	23	2			
5	16QAM	1	24	21.65	21.62	21.65					
5	16QAM	12	0	20.54	20.58	20.50					
5	16QAM	12	7	20.58	20.64	20.52	22	3			
5	16QAM	12	13	20.62	20.58	20.47					
5	16QAM	25	0	20.66	20.57	20.51					
Channel											
Frequency (MHz)											
				26705	26865	27025	Turn-up (dB)	MPR (dB)			
				814	831.5	848.5					
1.4	QPSK	1	0	23.71	23.66	23.70					
1.4	QPSK	1	8	23.59	23.65	23.51	25	0			
1.4	QPSK	1	14	23.62	23.64	23.49					
1.4	QPSK	8	0	22.85	22.62	22.52					
1.4	QPSK	8	4	22.53	22.45	22.50	24	1			
1.4	QPSK	8	7	22.64	22.62	22.43					
1.4	QPSK	15	0	22.60	22.53	22.60					
1.4	16QAM	1	0	22.88	22.84	22.88					
1.4	16QAM	1	8	22.75	22.82	22.72	24	1			
1.4	16QAM	1	14	22.86	22.82	22.80					
1.4	16QAM	8	0	21.53	21.56	21.61	23	2			
1.4	16QAM	8	4	21.53	21.52	21.57					
1.4	16QAM	8	7	21.60	21.52	21.44					
1.4	16QAM	15	0	21.59	21.52	21.59					
1.4	16QAM	1	0	21.57	21.51	21.76	23	2			
1.4	16QAM	1	8	21.62	21.78	21.64					
1.4	16QAM	1	14	21.71	21.50	21.65					
1.4	16QAM	8	0	20.52	20.57	20.52					
1.4	16QAM	8	4	20.52	20.50	20.48	22	3			
1.4	16QAM	8	7	20.62	20.64	20.54					
1.4	16QAM	15	0	20.56	20.50	20.59					
Channel											
Frequency (MHz)											
				26697	26855	27023	Turn-up (dB)	MPR (dB)			
				814.7	831.5	848.3					
1.4	QPSK	1	0	23.84	23.88	23.82					
1.4	QPSK	1	5	23.58	23.56	23.56	25	0			
1.4	QPSK	1	5	23.50	23.63	23.50					
1.4	QPSK	1	23	23.81	23.68	23.62					
1.4	QPSK	3	1	23.52	23.58	23.56					
1.4	QPSK	3	3	23.59	23.63	23.50					
1.4	QPSK	6	0	22.80	22.56	22.54	24	1			
1.4	16QAM	1	0	22.81	22.86	22.84					
1.4	16QAM	1	23	22.87	22.89	22.81	24	1			
1.4	16QAM	3	0	22.81	22.77	22.73					
1.4	16QAM	3	1	22.54	22.52	22.43	23	2			
1.4	16QAM	3	3	22.54	22.51	22.43					
1.4	16QAM	6	0	21.54	21.58	21.58					
1.4	16QAM	6	0	21.59	21.57	21.76					
1.4	16QAM	1	3	21.63	21.74	21.68					
1.4	16QAM	1	5	21.66	21.56	21.55	23	2			
1.4	16QAM	3	0	21.56	21.62	21.54					
1.4	16QAM	3	1	21.47	21.50	21.32					
1.4	16QAM	3	3	21.59	21.62	21.45					
1.4	16QAM	6	0	20.56	20.57	20.53	22	3			

Band 66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	20.75		
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.10	19.23	19.10	20.75	0	
20	QPSK	1	49	19.09	19.13	19.05			
20	QPSK	1	99	19.05	19.07	18.99	20.75	0	
20	QPSK	50	0	19.09	19.17	19.08			
20	QPSK	50	24	19.07	19.11	19.02	20.75	0	
20	QPSK	50	50	19.08	19.16	19.05			
20	QPSK	100	0	19.09	19.16	19.04	20.75	0	
20	16QAM	1	0	19.08	19.21	19.10			
20	16QAM	1	49	19.05	19.09	18.98	20.75	0	
20	16QAM	1	99	19.03	19.07	18.97			
20	16QAM	50	0	19.05	19.08	19.01	20.75	0	
20	16QAM	50	24	19.03	19.01	18.95			
20	16QAM	50	50	19.05	19.14	19.01	20.75	0	
20	16QAM	100	0	18.99	19.16	18.97			
20	64QAM	1	0	19.04	19.20	19.02	20.75	0	
20	64QAM	1	49	19.08	19.05	19.02			
20	64QAM	1	99	19.03	19.07	18.97	20.75	0	
20	64QAM	50	0	19.03	19.10	18.98			
20	64QAM	50	24	19.05	19.06	19.01	20.75	0	
20	64QAM	50	50	18.99	19.10	19.04			
20	64QAM	100	0	19.03	19.15	18.95	20.75		
Channel				132022	132322	132592			
Frequency (MHz)				1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.01	19.21	19.05	20.75	0	
15	QPSK	1	37	19.05	19.11	18.99			
15	QPSK	1	74	18.98	18.98	18.94	20.75	0	
15	QPSK	36	0	19.06	19.12	19.06			
15	QPSK	36	20	19.01	19.05	19.01	20.75	0	
15	QPSK	36	36	19.05	19.07	19.03			
15	QPSK	75	0	19.03	19.11	19.02	20.75	0	
15	16QAM	1	0	18.99	19.18	19.06			
15	16QAM	1	37	19.04	19.03	18.95	20.75	0	
15	16QAM	1	74	19.01	18.88	18.91			
15	16QAM	36	0	19.09	19.00	18.97	20.75	0	
15	16QAM	36	20	18.98	19.04	18.95			
15	16QAM	36	36	19.04	19.07	18.92	20.75	0	
15	16QAM	75	0	18.95	19.08	18.91			
15	64QAM	1	0	18.96	19.12	18.91	20.75	0	
15	64QAM	1	37	19.02	19.00	18.93			
15	64QAM	1	74	18.98	18.92	18.94	20.75	0	
15	64QAM	36	0	18.94	19.07	18.88			
15	64QAM	36	20	18.99	19.04	18.95	20.75	0	
15	64QAM	36	36	18.98	19.05	18.95			
15	64QAM	75	0	18.97	19.11	18.88	20.75		
Channel				132022	132322	132592			
Frequency (MHz)				1712.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.09	19.14	19.11	20.75	0	
10	QPSK	1	25	19.05	19.04	18.98			
10	QPSK	1	49	19.01	19.06	18.90	20.75	0	
10	QPSK	25	0	19.00	19.13	19.05			
10	QPSK	25	12	18.99	19.04	18.98	20.75	0	
10	QPSK	25	25	19.02	19.06	19.04			
10	QPSK	50	0	19.08	19.13	18.97	20.75	0	
10	16QAM	1	0	19.04	19.18	19.07			
10	16QAM	1	25	18.98	19.08	18.88	20.75	0	
10	16QAM	1	49	18.94	18.95	18.95			
10	16QAM	25	0	18.97	19.07	18.92	20.75	0	
10	16QAM	25	12	18.94	18.99	18.85			
10	16QAM	25	25	19.03	19.13	18.97	20.75	0	
10	16QAM	50	0	18.91	19.06	18.96			
10	64QAM	1	0	18.98	19.11	18.99	20.75	0	
10	64QAM	1	25	19.05	19.02	18.98			
10	64QAM	1	49	19.01	18.95	18.94	20.75	0	
10	64QAM	25	0	18.99	19.01	18.94			
10	64QAM	25	12	19.02	18.96	18.94	20.75	0	
10	64QAM	25	25	18.91	19.02	18.97			
10	64QAM	50	0	18.95	19.05	18.97	20.75		
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.02	19.13	19.08	20.75	0	
5	QPSK	1	12	19.08	19.06	18.98			
5	QPSK	1	24	18.97	18.98	18.91	20.75	0	
5	QPSK	12	0	19.00	19.07	19.01			
5	QPSK	12	7	18.99	19.08	18.94	20.75	0	
5	QPSK	12	13	19.05	19.10	18.99			
5	QPSK	25	0	19.06	19.15	18.97	20.75	0	
5	16QAM	1	0	18.99	19.12	19.04			
5	16QAM	1	12	19.06	19.03	18.91	20.75	0	
5	16QAM	1	24	19.01	18.89	18.95			
5	16QAM	12	0	18.99	19.06	18.95	20.75	0	
5	16QAM	12	7	18.99	18.97	18.89			
5	16QAM	12	13	19.02	19.09	18.95	20.75	0	
5	16QAM	25	0	18.94	19.15	18.99			
5	64QAM	1	0	19.00	19.14	18.92	20.75	0	
5	64QAM	1	12	19.04	19.04	18.99			
5	64QAM	1	24	19.02	18.89	18.94	20.75	0	
5	64QAM	12	0	18.96	19.07	18.92			
5	64QAM	12	7	18.95	18.97	18.94	20.75	0	
5	64QAM	12	13	18.95	19.04	18.99			
5	64QAM	25	0	19.01	19.06	18.90	20.75		
Channel				131987	132322	132697			
Frequency (MHz)				1711.5	1745	1778.5	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	19.05	19.20	19.10	20.75	0	
3	QPSK	1	8	19.02	19.05	19.01			
3	QPSK	1	14	19.02	19.05	18.95	20.75	0	
3	QPSK	8	0	19.07	19.10	18.99			
3	QPSK	8	4	18.98	19.07	19.01	20.75	0	
3	QPSK	8	7	19.01	19.09	18.99			
3	QPSK	15	0	19.01	19.14	18.96	20.75	0	
3	16QAM	1	0	19.03	19.12	19.01			
3	16QAM	1	8	19.03	19.04	18.88	20.75	0	
3	16QAM	1	14	19.01	18.96	18.87			
3	16QAM	8	0	18.99	19.03	18.95	20.75	0	
3	16QAM	8	4	18.97	18.91	18.88			
3	16QAM	8	7	19.02	19.12	18.96	20.75	0	
3	16QAM	15	0	18.92	19.12	18.91			
3	64QAM	1	0	19.03	19.12	18.98	20.75	0	
3	64QAM	1	8	19.07	19.03	19.00			
3	64QAM	1	14	19.01	18.90	18.96	20.75	0	
3	64QAM	8	0	18.93	19.05	18.96			
3	64QAM	8	4	18.99	19.04	18.97	20.75	0	
3	64QAM	8	7	18.95	19.09	18.96			
3	64QAM	15	0	19.00	19.09	18.95	20.75		
Channel				131979	132322	132995			
Frequency (MHz)				1710.7	1745	1779.7	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	19.06	19.15	19.04	20.75	0	
1.4	QPSK	1	3	19.04	19.10	18.95			
1.4	QPSK	1	5	19.03	19.01	18.95	20.75	0	
1.4	QPSK	3	0	19.07	19.13	19.00			
1.4	QPSK	3	1	19.06	19.07	18.97	20.75	0	
1.4	QPSK	3	3	18.99	19.07	19.01			
1.4	QPSK	6	0	19.05	19.10	18.98	20.75	0	
1.4	QPSK	6	1	19.06	19.16	19.01			
1.4	QPSK	3	3	19.02	19.08	19.01	20.75	0	
1.4	16QAM	1	5	18.96	18.94	18.94			
1.4	16QAM	3	0	19.05	19.06	18.95	20.75	0	
1.4	16QAM	3	1	18.93	18.93	18.86			
1.4	16QAM	6	0	19.02	19.11	19.01	20.75	0	
1.4	16QAM	6	1	18.90	19.11	18.92			
1.4	64QAM	1	0	19.03	19.11	18.95	20.75	0	
1.4	64QAM	1	3	18.98	19.01	19.00			
1.4	64QAM	3	0	18.98	18.89	18.93	20.75	0	
1.4	64QAM	3	1	19.04	19.06	18.92			
1.4	64QAM	3	3	18.92	18.95	18.94	20.75	0	
1.4	64QAM	6	0	19.01	19.09	18.94			

Band 38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.50	23.43	23.39	24	0	
20	QPSK	1	49	23.45	23.38	23.30			
20	QPSK	1	99	23.40	23.20	23.11			
20	QPSK	50	0	22.64	22.53	22.45	23	1	
20	QPSK	50	24	22.55	22.45	22.39			
20	QPSK	50	50	22.52	22.36	22.25			
20	QPSK	100	0	22.51	22.42	22.32	23	1	
20	16QAM	1	0	22.65	22.73	22.51			
20	16QAM	1	49	22.74	22.70	22.54			
20	16QAM	1	99	22.68	22.47	22.34	22	2	
20	16QAM	50	0	21.54	21.56	21.50			
20	16QAM	50	24	21.57	21.46	21.40			
20	16QAM	50	50	21.56	21.37	21.31	22	2	
20	16QAM	100	0	21.52	21.45	21.34			
20	64QAM	1	0	21.51	21.59	21.46			
20	64QAM	1	49	21.60	21.54	21.39	22	2	
20	64QAM	1	99	21.51	21.32	21.20			
20	64QAM	50	0	20.52	20.53	20.43			
20	64QAM	50	24	20.52	20.46	20.37	21	3	
20	64QAM	50	50	20.52	20.36	20.26			
20	64QAM	100	0	20.50	20.47	20.32			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.37	23.36	23.37			
15	QPSK	1	37	23.41	23.36	23.22	24	0	
15	QPSK	1	74	23.31	23.15	22.96			
15	QPSK	36	0	22.53	22.52	22.40			
15	QPSK	36	20	22.52	22.36	22.31	23	1	
15	QPSK	36	39	22.48	22.23	22.22			
15	QPSK	75	0	22.44	22.30	22.31			
15	16QAM	1	0	22.53	22.60	22.38	23	1	
15	16QAM	1	37	22.69	22.64	22.44			
15	16QAM	1	74	22.55	22.44	22.22			
15	16QAM	36	0	21.52	21.49	21.37	22	2	
15	16QAM	36	20	21.53	21.35	21.39			
15	16QAM	36	39	21.53	21.34	21.16			
15	16QAM	75	0	21.49	21.37	21.33	22	2	
15	64QAM	1	0	21.36	21.45	21.42			
15	64QAM	1	37	21.50	21.49	21.31			
15	64QAM	1	74	21.47	21.26	21.11	21	3	
15	64QAM	36	0	20.45	20.48	20.32			
15	64QAM	36	20	20.41	20.38	20.34			
15	64QAM	36	39	20.39	20.30	20.11	21	3	
15	64QAM	75	0	20.45	20.43	20.20			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.41	23.40	23.28			
10	QPSK	1	25	23.33	23.29	23.16	24	0	
10	QPSK	1	49	23.26	23.07	23.05			
10	QPSK	25	0	22.63	22.48	22.38			
10	QPSK	25	12	22.50	22.34	22.35	23	1	
10	QPSK	25	25	22.38	22.26	22.13			
10	QPSK	50	0	22.46	22.32	22.30			
10	16QAM	1	0	22.64	22.59	22.48	23	1	
10	16QAM	1	25	22.62	22.55	22.48			
10	16QAM	1	49	22.54	22.38	22.22			
10	16QAM	25	0	21.46	21.55	21.49	22	2	
10	16QAM	25	12	21.50	21.33	21.31			
10	16QAM	25	25	21.54	21.34	21.28			
10	16QAM	50	0	21.48	21.40	21.33	22	2	
10	64QAM	1	0	21.45	21.46	21.32			
10	64QAM	1	25	21.56	21.43	21.36			
10	64QAM	1	49	21.45	21.26	21.10	21	3	
10	64QAM	25	0	20.41	20.49	20.36			
10	64QAM	25	12	20.38	20.39	20.32			
10	64QAM	25	25	20.44	20.28	20.13	21	3	
10	64QAM	50	0	20.42	20.41	20.23			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.35	23.42	23.30			
5	QPSK	1	12	23.34	23.23	23.26	24	0	
5	QPSK	1	24	23.32	23.08	23.00			
5	QPSK	12	0	22.62	22.51	22.39			
5	QPSK	12	7	22.42	22.32	22.38	23	1	
5	QPSK	12	13	22.47	22.35	22.20			
5	QPSK	25	0	22.41	22.32	22.23			
5	16QAM	1	0	22.60	22.59	22.39	23	1	
5	16QAM	1	12	22.70	22.65	22.49			
5	16QAM	1	24	22.56	22.41	22.23			
5	16QAM	12	0	21.43	21.44	21.46	22	2	
5	16QAM	12	7	21.53	21.38	21.30			
5	16QAM	12	13	21.49	21.32	21.28			
5	16QAM	25	0	21.51	21.43	21.29	22	2	
5	64QAM	1	0	21.45	21.56	21.38			
5	64QAM	1	12	21.59	21.45	21.36			
5	64QAM	1	24	21.43	21.25	21.17	22	2	
5	64QAM	12	0	20.41	20.44	20.40			
5	64QAM	12	7	20.40	20.35	20.31			
5	64QAM	12	13	20.44	20.26	20.14	21	3	
5	64QAM	25	0	20.35	20.41	20.27			

Band 41_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.30	23.66	23.03	23.14	25	0
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13		
20	QPSK	1	99	24.76	24.38	23.68	23.06	23.16		
20	QPSK	50	0	23.69	23.51	22.86	22.24	22.16	24	1
20	QPSK	50	24	23.75	23.59	22.73	22.23	22.17		
20	QPSK	50	50	23.82	23.67	22.91	22.28	22.23		
20	QPSK	100	0	23.79	23.53	22.75	22.18	22.18	24	1
20	16QAM	1	0	23.75	23.75	23.05	22.32	22.38		
20	16QAM	1	49	23.87	23.70	22.95	22.36	22.37		
20	16QAM	1	99	23.86	23.60	22.80	22.19	22.24	23	2
20	16QAM	50	0	22.70	22.66	21.89	21.23	21.28		
20	16QAM	50	24	22.82	22.61	21.80	21.20	21.26		
20	16QAM	50	50	22.86	22.60	21.71	21.21	21.16	23	2
20	16QAM	100	0	22.79	22.56	21.78	21.21	21.19		
20	64QAM	1	0	22.61	22.58	21.88	21.19	21.24		
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24	22	3
20	64QAM	1	99	22.82	22.42	21.64	21.05	21.15		
20	64QAM	50	0	21.68	21.60	20.85	20.24	20.22		
20	64QAM	50	24	21.78	21.59	20.79	20.19	20.24	22	3
20	64QAM	50	50	21.82	21.57	20.68	20.16	20.13		
20	64QAM	100	0	21.80	21.55	20.77	20.17	20.18		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.34	24.18	23.64	23.14	23.05	25	0
15	QPSK	1	37	24.62	24.24	23.48	23.20	23.08		
15	QPSK	1	74	24.65	24.24	23.64	23.16	23.15		
15	QPSK	36	0	23.68	23.44	22.74	22.30	22.01	24	1
15	QPSK	36	20	23.72	23.54	22.61	22.42	22.04		
15	QPSK	36	39	23.72	23.58	22.81	22.40	22.13		
15	QPSK	75	0	23.72	23.45	22.67	22.32	22.11	24	1
15	16QAM	1	0	23.69	23.73	23.00	22.45	22.34		
15	16QAM	1	37	23.62	23.58	22.83	22.55	22.30		
15	16QAM	1	74	23.82	23.50	22.70	22.29	22.14	23	2
15	16QAM	36	0	22.55	22.56	21.83	21.34	21.25		
15	16QAM	36	20	22.74	22.56	21.70	21.27	21.20		
15	16QAM	36	39	22.80	22.45	21.66	21.32	21.01	23	2
15	16QAM	75	0	22.75	22.47	21.73	21.29	21.07		
15	64QAM	1	0	22.60	22.57	21.78	21.37	21.14		
15	64QAM	1	37	22.68	22.50	21.66	21.31	21.17	22	3
15	64QAM	1	74	22.69	22.31	21.54	21.24	21.09		
15	64QAM	36	0	21.67	21.52	20.81	20.37	20.15		
15	64QAM	36	20	21.65	21.47	20.64	20.34	20.16	22	3
15	64QAM	36	39	21.75	21.46	20.53	20.35	20.03		
15	64QAM	75	0	21.69	21.54	20.72	20.22	20.13		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.40	24.27	23.58	23.20	23.04	25	0
10	QPSK	1	25	24.59	24.14	23.49	23.13	23.02		
10	QPSK	1	49	24.74	24.27	23.56	23.16	23.02		
10	QPSK	25	0	23.54	23.47	22.73	22.43	22.13	24	1
10	QPSK	25	12	23.71	23.48	22.66	22.32	22.16		
10	QPSK	25	25	23.68	23.63	22.90	22.40	22.17		
10	QPSK	50	0	23.71	23.38	22.72	22.28	22.06	24	1
10	16QAM	1	0	23.70	23.74	22.92	22.43	22.29		
10	16QAM	1	25	23.75	23.55	22.91	22.49	22.33		
10	16QAM	1	49	23.76	23.57	22.75	22.28	22.12	23	2
10	16QAM	25	0	22.67	22.53	21.74	21.28	21.22		
10	16QAM	25	12	22.73	22.54	21.70	21.38	21.24		
10	16QAM	25	25	22.78	22.55	21.70	21.33	21.11	23	2
10	16QAM	50	0	22.65	22.52	21.75	21.26	21.11		
10	64QAM	1	0	22.49	22.49	21.83	21.36	21.14		
10	64QAM	1	25	22.72	22.57	21.67	21.35	21.14	22	3
10	64QAM	1	49	22.72	22.28	21.57	21.19	21.13		
10	64QAM	25	0	21.62	21.48	20.84	20.37	20.18		
10	64QAM	25	12	21.73	21.50	20.77	20.34	20.12	22	3
10	64QAM	25	25	21.74	21.54	20.82	20.34	20.05		
10	64QAM	50	0	21.76	21.45	20.68	20.35	20.12		
Channel				39675	40148	40620	41066.2	41567.2	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.60	2687.7		
5	QPSK	1	0	24.44	24.26	23.55	23.15	23.11	25	0
5	QPSK	1	12	24.58	24.16	23.57	23.22	23.07		
5	QPSK	1	24	24.67	24.30	23.54	23.25	23.12		
5	QPSK	12	0	23.66	23.45	22.84	22.30	22.01	24	1
5	QPSK	12	7	23.70	23.51	22.63	22.42	22.02		
5	QPSK	12	13	23.76	23.53	22.77	22.44	22.20		
5	QPSK	25	0	23.76	23.48	22.63	22.31	22.17	24	1
5	16QAM	1	0	23.60	23.65	22.98	22.44	22.34		
5	16QAM	1	12	23.85	23.64	22.85	22.51	22.30		
5	16QAM	1	24	23.71	23.45	22.78	22.27	22.16	23	2
5	16QAM	12	0	22.61	22.56	21.87	21.39	21.14		
5	16QAM	12	7	22.72	22.51	21.79	21.39	21.24		
5	16QAM	12	13	22.71	22.59	21.60	21.26	21.01	23	2
5	16QAM	25	0	22.73	22.55	21.73	21.31	21.16		
5	64QAM	1	0	22.46	22.54	21.84	21.37	21.22		
5	64QAM	1	12	22.67	22.53	21.63	21.33	21.09	23	2
5	64QAM	1	24	22.69	22.31	21.56	21.13	21.14		
5	64QAM	12	0	21.53	21.55	20.84	20.36	20.14		
5	64QAM	12	7	21.71	21.47	20.77	20.27	20.16	22	3
5	64QAM	12	13	21.75	21.55	20.57	20.35	20.02		
5	64QAM	25	0	21.65	21.45	20.64	20.29	20.13		

Band 2_Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18800	19100				
20	QPSK	1	0	19.03	19.10	19.81				
20	QPSK	1	49	19.02	19.08	19.79	20.5	0		
20	QPSK	1	99	18.74	18.83	18.80				
20	QPSK	50	0	18.98	19.05	19.79				
20	QPSK	50	24	18.86	18.86	18.89	20.5	0		
20	QPSK	50	50	18.69	18.77	18.76				
20	QPSK	100	0	18.98	19.08	19.75				
20	16QAM	1	0	18.95	19.06	19.79				
20	16QAM	1	49	18.99	18.95	18.77	20.5	0		
20	16QAM	1	99	18.86	18.80	18.73				
20	16QAM	50	0	18.90	19.04	19.70				
20	16QAM	50	24	18.81	18.99	18.88	20.5	0		
20	16QAM	50	50	18.69	18.67	18.72				
20	16QAM	100	0	18.99	19.07	19.58				
20	64QAM	1	0	18.98	19.04	19.75				
20	64QAM	1	49	18.87	18.89	18.69	20.5	0		
20	64QAM	1	99	18.71	18.80	18.70				
20	64QAM	50	0	18.91	18.97	19.71				
20	64QAM	50	24	18.80	18.85	18.86	20.5	0		
20	64QAM	50	50	18.59	18.67	18.71				
20	64QAM	100	0	18.96	19.05	19.65				
Channel										
Frequency (MHz)				18675	18900	19125	Turn-up time (dBm)	MPR (dB)		
15	QPSK	1	0	19.02	19.06	19.73				
15	QPSK	1	39	18.96	18.92	18.71				
15	QPSK	1	74	18.71	18.79	18.77	20.5	0		
15	QPSK	36	0	18.93	18.98	19.74				
15	QPSK	36	20	18.82	18.85	18.66				
15	QPSK	36	39	18.65	18.71	18.74	20.5	0		
15	QPSK	75	0	18.99	19.01	19.67				
15	16QAM	1	0	18.87	19.02	19.70				
15	16QAM	1	37	18.86	18.98	18.68				
15	16QAM	36	0	18.85	18.95	18.61	20.5	0		
15	16QAM	36	20	18.78	18.81	18.66				
15	16QAM	36	39	18.57	18.57	18.70	20.5	0		
15	16QAM	75	0	18.91	18.99	19.64				
15	64QAM	1	0	18.91	18.98	18.65				
15	64QAM	1	37	18.84	18.98	18.62	20.5	0		
15	64QAM	1	74	18.62	18.76	18.68				
15	64QAM	36	0	18.82	18.93	18.62				
15	64QAM	36	20	18.78	18.87	18.64	20.5	0		
15	64QAM	36	39	18.55	18.63	18.70				
15	64QAM	75	0	18.92	19.02	18.57				
Channel										
Frequency (MHz)				18650	18900	19150	Turn-up time (dBm)	MPR (dB)		
10	QPSK	1	0	18.99	19.05	19.67				
10	QPSK	1	25	18.89	18.99	18.74	20.5	0		
10	QPSK	1	49	18.73	18.74	18.72				
10	QPSK	25	0	18.90	19.04	19.71				
10	QPSK	25	12	18.78	18.80	18.66	20.5	0		
10	QPSK	25	25	18.62	18.73	18.68				
10	QPSK	50	0	18.90	18.98	19.70				
10	16QAM	1	0	18.93	19.05	19.72				
10	16QAM	1	25	18.88	18.83	18.74	20.5	0		
10	16QAM	1	49	18.68	18.78	18.67				
10	16QAM	25	0	18.92	18.96	19.68	20.5	0		
10	16QAM	25	12	18.72	18.85	18.63				
10	16QAM	25	25	18.51	18.66	18.70				
10	16QAM	50	0	18.87	18.97	19.62				
10	64QAM	1	0	18.91	18.94	19.72	20.5	0		
10	64QAM	1	25	18.82	18.84	18.62				
10	64QAM	1	49	18.66	18.73	18.60				
10	64QAM	25	0	18.86	18.88	18.69	20.5	0		
10	64QAM	25	12	18.76	18.96	18.58				
10	64QAM	25	25	18.57	18.62	18.61	20.5	0		
10	64QAM	50	0	18.96	19.08	19.59				
Channel										
Frequency (MHz)				18625	18900	19175	Turn-up time (dBm)	MPR (dB)		
5	QPSK	1	0	19.04	19.04	19.71				
5	QPSK	1	12	18.87	18.84	18.69	20.5	0		
5	QPSK	1	24	18.67	18.82	18.79				
5	QPSK	12	0	18.96	18.98	19.70				
5	QPSK	12	7	18.82	18.84	18.64	20.5	0		
5	QPSK	12	13	18.67	18.71	18.72				
5	QPSK	25	0	18.97	19.06	18.65				
5	16QAM	1	0	18.87	19.00	19.74				
5	16QAM	1	18	18.81	18.87	18.72	20.5	0		
5	16QAM	1	24	18.63	18.73	18.68				
5	16QAM	12	0	18.86	18.99	19.68				
5	16QAM	12	7	18.73	18.85	18.59	20.5	0		
5	16QAM	12	13	18.68	18.87	18.70				
5	16QAM	25	0	18.96	19.03	19.58				
5	64QAM	1	0	18.91	19.03	19.74				
5	64QAM	1	12	18.82	18.81	18.64	20.5	0		
5	64QAM	1	24	18.66	18.70	18.60				
5	64QAM	12	0	18.92	18.94	19.70				
5	64QAM	12	7	18.71	18.81	18.60	20.5	0		
5	64QAM	12	13	18.52	18.61	18.64				
5	64QAM	25	0	18.92	19.02	19.55				
Channel										
Frequency (MHz)				18615	18900	19165	Turn-up time (dBm)	MPR (dB)		
3	QPSK	1	0	19.02	19.05	19.76				
3	QPSK	1	8	18.92	18.96	18.76	20.5	0		
3	QPSK	1	14	18.66	18.77	18.72				
3	QPSK	8	0	18.97	19.00	19.76				
3	QPSK	8	4	18.78	18.81	18.59				
3	QPSK	15	0	18.65	18.75	18.69	20.5	0		
3	16QAM	1	0	18.90	18.99	19.71				
3	16QAM	1	8	18.88	18.85	18.73				
3	16QAM	1	14	18.67	18.70	18.65	20.5	0		
3	16QAM	8	0	18.87	18.95	18.65				
3	16QAM	8	4	18.78	18.90	18.64	20.5	0		
3	16QAM	8	7	18.53	18.59	18.63				
3	16QAM	15	0	18.90	18.96	19.59				
3	64QAM	1	0	18.90	19.00	19.72				
3	64QAM	1	8	18.83	18.82	18.61	20.5	0		
3	64QAM	1	14	18.65	18.74	18.64				
3	64QAM	8	0	18.87	18.88	18.66				
3	64QAM	8	4	18.73	18.85	18.60	20.5	0		
3	64QAM	8	7	18.55	18.59	18.64				
3	64QAM	15	0	18.95	19.02	19.55				
Channel										
Frequency (MHz)				18600	18900	19000	Turn-up time (dBm)	MPR (dB)		
1.4	QPSK	1	0	19.03	19.00	19.71				
1.4	QPSK	1	3	18.83	18.82	18.74	20.5	0		
1.4	QPSK	1	5	18.64	18.75	18.76				
1.4	QPSK	3	0	19.01	19.00	19.70				
1.4	QPSK	3	1	18.83	18.81	18.69	20.5	0		
1.4	QPSK	3	3	18.61	18.74	18.75				
1.4	QPSK	6	0	18.97	18.99	19.73	20.5	0		
1.4	16QAM	1	0	19.00	19.04	19.69				
1.4	16QAM	1	3	18.87	18.84	18.70				
1.4	16QAM	1	5	18.61	18.76	18.79	20.5	0		
1.4	16QAM	3	0	19.00	18.98	19.66				
1.4	16QAM	3	1	18.80	18.80	18.66	20.5	0		
1.4	16QAM	3	3	18.60	18.67	18.70				
1.4	16QAM	6	0	18.99	19.05	19.62	20.5	0		
1.4	16QAM	6	1	18.88	18.87	18.67				
1.4	64QAM	1	3	18.79	18.85	18.60				
1.4	64QAM	1	5	18.68	18.74	18.63	20.5	0		
1.4	64QAM	3	0	18.84	18.86	18.67				
1.4	64QAM	3	1	18.60	18.69	18.69	20.5	0		
1.4	64QAM	3	3	18.58	18.67	18.65				
1.4	64QAM	6	0	19.01	18.98	19.55	20.5	0		

Band 5_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
				20450	20505	20560								
				829	836.5	844								
10	QPSK	1	0	22.38	22.38	22.32	23.5	0						
10	QPSK	1	25	22.25	22.29	22.20								
10	QPSK	1	49	22.18	22.24	22.13								
10	QPSK	25	0	22.27	22.32	22.22								
10	QPSK	25	12	22.20	22.24	22.13	23.5	0						
10	QPSK	25	25	22.17	22.19	22.05								
10	QPSK	50	0	22.23	22.32	22.26								
10	16QAM	1	0	22.25	22.35	22.27								
10	16QAM	1	25	22.16	22.27	22.18	23.5	0						
10	16QAM	1	49	22.10	22.16	22.05								
10	16QAM	25	0	21.80	21.87	21.83								
10	16QAM	25	12	21.80	21.79	21.76			23					
10	16QAM	25	25	21.82	21.82	21.74	23	0.5						
10	16QAM	50	0	21.82	21.83	21.79								
10	16QAM	50	1	21.90	21.86	22.03								
10	64QAM	1	25	21.88	21.86	21.88								
10	64QAM	1	49	21.97	21.99	21.87	23	0.5						
10	64QAM	25	0	20.82	20.83	20.79								
10	64QAM	25	12	20.77	20.78	20.74								
10	64QAM	25	25	20.83	20.79	20.72			22					
10	64QAM	50	0	20.83	20.79	20.77	22	1.5						
Channel														
Frequency (MHz)														
				826.5	836.5	846.5	Turn-up time (dBm)	MPR (dB)						
5	QPSK	1	0	22.18	22.37	22.29	23.5	0						
5	QPSK	1	25	22.16	22.27	22.24								
5	QPSK	1	24	22.16	22.18	22.12								
5	QPSK	12	0	22.17	22.25	22.21								
5	QPSK	12	7	22.13	22.23	22.10	23.5	0						
5	QPSK	12	13	22.08	22.09	22.00								
5	QPSK	25	0	22.18	22.22	22.24								
5	16QAM	1	0	22.19	22.24	22.23								
5	16QAM	1	12	22.06	22.17	22.16	23.5	0						
5	16QAM	1	24	22.08	22.09	22.02								
5	16QAM	12	0	21.70	21.82	21.78								
5	16QAM	12	7	21.68	21.86	21.66			23					
5	16QAM	12	13	21.75	21.75	21.65	23	0.5						
5	16QAM	25	0	21.77	21.78	21.71								
5	64QAM	1	0	21.81	21.81	21.97								
5	64QAM	1	12	21.83	21.86	21.78			23					
5	64QAM	1	24	21.88	21.91	21.79	23	0.5						
5	64QAM	12	0	20.73	20.77	20.73								
5	64QAM	12	7	20.69	20.70	20.64								
5	64QAM	12	13	20.78	20.73	20.62			22					
5	64QAM	25	0	20.74	20.72	20.67	22	1.5						
Channel														
Frequency (MHz)														
				20415	20525	20635	Turn-up time (dBm)	MPR (dB)						
				825.5	836.5	847.5								
3	QPSK	1	0	22.27	22.29	22.27	23.5	0						
3	QPSK	1	8	22.20	22.24	22.13								
3	QPSK	1	14	22.17	22.14	22.12								
3	QPSK	8	0	22.21	22.29	22.12								
3	QPSK	8	4	22.13	22.23	22.06	23.5	0						
3	QPSK	8	7	22.07	22.14	22.00								
3	QPSK	15	0	22.14	22.28	22.24								
3	16QAM	1	0	22.17	22.32	22.21								
3	16QAM	1	8	22.06	22.11	22.17	23.5	0						
3	16QAM	1	14	22.06	22.11	21.99								
3	16QAM	8	0	21.70	21.77	21.74								
3	16QAM	8	4	21.72	21.71	21.71								
3	16QAM	8	7	21.75	21.76	21.65	23	0.5						
3	16QAM	15	0	21.77	21.76	21.68								
3	64QAM	1	0	21.85	21.81	21.87								
3	64QAM	1	5	21.81	21.89	21.80								
3	64QAM	1	14	21.89	21.90	21.77	23	0.5						
3	64QAM	8	0	20.76	20.76	20.71								
3	64QAM	8	4	20.72	20.66	20.65								
3	64QAM	8	7	20.73	20.69	20.66								
3	64QAM	15	0	20.74	20.75	20.72	22	1.5						
Channel														
Frequency (MHz)														
				20407	20525	20643	Turn-up time (dBm)	MPR (dB)						
				824.7	836.5	848.3								
1.4	QPSK	1	0	22.26	22.35	22.22	23.5	0						
1.4	QPSK	1	3	22.22	22.20	22.14								
1.4	QPSK	1	5	22.08	22.20	22.04								
1.4	QPSK	3	0	22.18	22.24	22.16								
1.4	QPSK	3	1	22.17	22.20	22.11	23.5	0						
1.4	QPSK	3	3	22.08	22.18	22.03								
1.4	QPSK	6	0	22.15	22.24	22.19								
1.4	16QAM	1	0	22.10	22.24	22.22								
1.4	16QAM	1	3	22.08	22.15	22.14	23.5	0						
1.4	16QAM	1	5	22.04	22.14	21.98								
1.4	16QAM	3	0	22.20	22.34	22.23								
1.4	16QAM	3	1	22.15	22.12	22.13								
1.4	16QAM	3	3	22.08	22.14	22.06	23	0.5						
1.4	16QAM	6	0	21.73	21.76	21.70								
1.4	64QAM	1	0	21.80	21.76	21.96								
1.4	64QAM	1	3	21.81	21.80	21.83								
1.4	64QAM	1	5	21.87	21.93	21.80	23	0.5						
1.4	64QAM	3	0	21.72	21.82	21.76								
1.4	64QAM	3	1	21.70	21.71	21.71								
1.4	64QAM	3	3	21.73	21.77	21.67								
1.4	64QAM	6	0	20.78	20.72	20.71	22	1.5						

Band 7_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power High Ch [dBm]	Power High Ch [dBm]	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20850	21100	21350						
				2510	2535	2560						
20	QPSK	1	0	19.13	19.18	18.74	20	0				
20	QPSK	1	49	19.12	19.01	18.41						
20	QPSK	1	99	19.08	18.77	18.55						
20	QPSK	50	0	19.11	19.13	19.23						
20	QPSK	50	24	19.07	19.00	18.37	20	0				
20	QPSK	50	50	19.02	18.68	18.53						
20	QPSK	100	0	19.01	19.10	18.70						
20	16QAM	1	0	19.08	19.17	18.71						
20	16QAM	1	49	19.05	18.67	18.53	20	0				
20	16QAM	1	99	19.05	18.67	18.53						
20	16QAM	50	0	19.04	19.03	18.83						
20	16QAM	50	24	19.00	18.91	18.30						
20	16QAM	50	50	18.96	18.87	18.50	20	0				
20	16QAM	100	0	18.96	19.04	18.67						
20	16QAM	1	0	19.07	19.10	18.86						
20	16QAM	1	49	19.10	18.96	18.32						
20	16QAM	1	99	18.99	18.69	18.50	20	0				
20	16QAM	50	0	19.07	19.12	18.86						
20	16QAM	50	24	19.05	18.93	18.34						
20	16QAM	50	50	18.93	18.62	18.50						
20	16QAM	100	0	18.96	19.04	18.73	20	0				
Channel												
Frequency (MHz)				20826	21106	21375						
				2557.5	2535	2562.5						
15	QPSK	1	0	19.15	19.15	18.65	20	0				
15	QPSK	1	49	19.14	19.07	18.31						
15	QPSK	1	74	19.05	18.69	18.53						
15	QPSK	36	0	19.06	19.11	18.85						
15	QPSK	36	20	19.00	18.88	18.31	20	0				
15	QPSK	36	39	18.92	18.90	18.52						
15	QPSK	100	0	18.97	19.08	18.68						
15	16QAM	1	0	18.99	19.13	18.84						
15	16QAM	1	37	19.02	18.89	18.26	20	0				
15	16QAM	1	74	18.95	18.86	18.42						
15	16QAM	36	0	19.06	19.10	18.85						
15	16QAM	36	20	18.92	18.86	18.26						
15	16QAM	36	39	18.95	18.64	18.43	20	0				
15	16QAM	75	0	18.95	19.02	18.58						
15	16QAM	1	0	19.06	19.08	18.63						
15	16QAM	1	21	19.07	18.98	18.30						
15	16QAM	1	74	18.89	18.62	18.48	20	0				
15	16QAM	36	0	19.00	19.10	18.85						
15	16QAM	36	20	19.02	18.88	18.31						
15	16QAM	36	39	18.87	18.64	18.45						
15	16QAM	75	0	18.97	19.04	18.64	20	0				
Channel												
Frequency (MHz)				20800	21106	21400						
				2005	2535	2565						
10	QPSK	1	0	19.05	19.18	18.72	20	0				
10	QPSK	1	25	19.02	18.96	18.34						
10	QPSK	1	49	19.00	18.76	18.54						
10	QPSK	25	0	19.02	19.07	18.91						
10	QPSK	25	12	19.05	18.91	18.28	20	0				
10	QPSK	25	25	18.93	18.63	18.44						
10	QPSK	50	0	18.98	19.04	18.69						
10	16QAM	1	0	19.01	19.10	18.82						
10	16QAM	1	25	19.00	18.90	18.30	20	0				
10	16QAM	1	49	19.02	18.68	18.48						
10	16QAM	25	0	18.95	18.97	18.56						
10	16QAM	25	12	18.96	18.82	18.29						
10	16QAM	25	25	18.93	18.61	18.42	20	0				
10	16QAM	50	0	18.93	18.98	18.84						
10	16QAM	1	0	19.01	19.08	18.83						
10	16QAM	1	25	19.02	18.92	18.27						
10	16QAM	1	49	18.92	18.64	18.41	20	0				
10	16QAM	25	0	18.97	19.02	18.56						
10	16QAM	25	12	18.98	18.84	18.33						
10	16QAM	25	25	18.83	18.54	18.49						
10	16QAM	50	0	18.93	18.95	18.56	20	0				
Channel												
Frequency (MHz)				20975	21106	21445						
				2005	2535	2565						
5	QPSK	1	0	19.07	19.14	18.72	20	0				
5	QPSK	1	12	19.03	18.99	18.34						
5	QPSK	1	24	19.00	18.67	18.49						
5	QPSK	12	0	19.05	19.08	18.52						
5	QPSK	12	12	19.01	18.98	18.32	20	0				
5	QPSK	12	13	18.97	18.60	18.46						
5	QPSK	25	0	18.96	19.05	18.86						
5	16QAM	1	0	19.03	19.11	18.65						
5	16QAM	1	12	18.97	18.85	18.28	20	0				
5	16QAM	1	24	19.02	18.65	18.43						
5	16QAM	12	0	19.03	18.90	18.24						
5	16QAM	12	7	18.92	18.90	18.24						
5	16QAM	12	13	18.86	18.58	18.42	20	0				
5	16QAM	25	0	18.87	19.01	18.66						
5	16QAM	1	0	19.04	19.08	18.84						
5	16QAM	1	12	19.03	18.93	18.22						
5	16QAM	1	24	18.96	18.66	18.40	20	0				
5	16QAM	12	0	19.04	19.04	18.80						
5	16QAM	12	13	18.97	18.70	18.32						
5	16QAM	12	13	18.92	18.54	18.47						
5	16QAM	25	0	18.95	18.94	18.53	20	0				

Band 12_Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				23665	23665	23150					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	22.38	22.44	22.38					
10	QPSK	1	25	22.18	22.23	22.28	23.5	0			
10	QPSK	1	49	22.31	22.29	22.30					
10	QPSK	25	0	22.32	22.40	22.36					
10	QPSK	25	12	22.13	22.16	22.24	23.5	0			
10	QPSK	25	25	22.25	22.22	22.25					
10	QPSK	50	0	22.35	22.39	22.32					
10	16QAM	1	0	22.24	22.38	22.26					
10	16QAM	1	25	22.09	22.15	22.25	23.5	0			
10	16QAM	1	49	22.30	22.21	22.23					
10	16QAM	25	0	21.17	21.18	21.27					
10	16QAM	25	12	21.14	21.23	21.26	22.5	1			
10	16QAM	25	25	21.17	21.26	21.33					
10	16QAM	50	0	21.10	21.18	21.29					
10	64QAM	1	0	21.32	21.36	21.37					
10	64QAM	1	25	21.22	21.44	21.48	22.5	1			
10	64QAM	1	49	21.33	21.41	21.52					
10	64QAM	25	0	20.21	20.20	20.27					
10	64QAM	25	12	20.25	20.23	20.34	21.5	2			
10	64QAM	25	25	20.34	20.27	20.31					
10	64QAM	50	0	20.22	20.27	20.31					
Channel											
Frequency (MHz)				23335	23665	23155	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	22.35	22.36	22.26					
5	QPSK	1	25	22.10	22.18	22.28	23.5	0			
5	QPSK	1	24	22.30	22.21	22.21					
5	QPSK	12	0	22.30	22.38	22.27					
5	QPSK	12	7	22.05	22.15	22.23	23.5	0			
5	QPSK	25	0	22.32	22.34	22.24					
5	16QAM	1	0	22.28	22.36	22.18					
5	16QAM	1	12	22.02	22.05	22.18	23.5	0			
5	16QAM	1	24	22.25	22.16	22.22					
5	16QAM	12	0	21.09	21.12	21.12					
5	16QAM	12	7	21.02	21.20	21.29	22.5	1			
5	16QAM	12	13	21.14	21.14	21.31					
5	16QAM	25	0	21.33	21.13	21.14					
5	64QAM	1	0	21.22	21.26	21.36					
5	64QAM	1	12	21.16	21.42	21.46	22.5	1			
5	64QAM	1	24	21.28	21.36	21.39					
5	64QAM	12	0	20.12	20.17	20.22					
5	64QAM	12	7	20.13	20.13	20.28	21.5	2			
5	64QAM	12	13	20.08	20.16	20.18					
5	64QAM	25	0	20.16	20.24	20.28					
Channel											
Frequency (MHz)				23025	23665	23155	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	22.37	22.39	22.34					
3	QPSK	1	8	22.15	22.22	22.21	23.5	0			
3	QPSK	1	14	22.24	22.26	22.28					
3	QPSK	8	0	22.30	22.36	22.19					
3	QPSK	8	4	22.08	22.11	22.16	23.5	0			
3	QPSK	8	7	22.27	22.18	22.17					
3	QPSK	15	0	22.28	22.37	22.29					
3	16QAM	1	0	22.27	22.32	22.24					
3	16QAM	1	8	22.01	22.10	22.22	23.5	0			
3	16QAM	1	14	22.18	22.14	22.14					
3	16QAM	8	0	21.10	21.10	21.19					
3	16QAM	8	4	21.11	21.10	21.13	22.5	1			
3	16QAM	8	7	21.11	21.18	21.24					
3	16QAM	15	0	21.10	21.17	21.20					
3	64QAM	1	0	21.19	21.23	21.25	22.5	1			
3	64QAM	1	5	21.10	21.31	21.45					
3	64QAM	1	14	21.27	21.29	21.47					
3	64QAM	8	0	20.15	20.11	20.16					
3	64QAM	8	4	20.15	20.09	20.23	21.5	2			
3	64QAM	8	7	20.23	20.16	20.21					
3	64QAM	15	0	20.12	20.15	20.24					
Channel											
Frequency (MHz)				23017	23665	23173	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				699.7	707.5	715.3					
1.4	QPSK	1	0	22.34	22.34	22.26					
1.4	QPSK	1	3	22.13	22.20	22.27	23.5	0			
1.4	QPSK	1	5	22.27	22.20	22.25					
1.4	QPSK	3	0	22.27	22.36	22.27					
1.4	QPSK	3	1	22.06	22.11	22.14					
1.4	QPSK	3	3	22.18	22.19	22.18					
1.4	QPSK	3	5	22.27	22.28	22.25	23.5	0			
1.4	16QAM	1	0	22.24	22.26	22.16					
1.4	16QAM	1	3	22.03	22.10	22.19					
1.4	16QAM	1	5	22.24	22.19	22.18	23.5	0			
1.4	16QAM	3	0	22.32	22.33	22.19					
1.4	16QAM	3	1	22.04	22.12	22.20					
1.4	16QAM	3	3	22.25	22.20	22.16					
1.4	16QAM	5	0	21.11	21.21	21.19	22.5	1			
1.4	64QAM	1	0	21.24	21.26	21.28					
1.4	64QAM	1	3	21.13	21.36	21.37					
1.4	64QAM	1	5	21.27	21.31	21.45	22.5	1			
1.4	64QAM	3	0	21.09	21.12	21.21					
1.4	64QAM	3	1	21.07	21.13	21.16					
1.4	64QAM	3	3	21.08	21.15	21.24					
1.4	64QAM	5	0	20.11	20.17	20.24	21.5	2			

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				26765	26865	26865					
Frequency (MHz)				819	831.5	844.5					
15	QPSK	1	0	23.25	23.25	23.15	24.5	0			
15	QPSK	1	37	23.09	23.12	23.11					
15	QPSK	1	74	23.07	23.12	23.08					
15	QPSK	36	0	22.85	22.76	22.85					
15	QPSK	36	20	22.83	22.59	22.58	24	0.5			
15	QPSK	36	39	22.85	22.61	22.54					
15	QPSK	75	0	22.87	22.68	22.62					
15	16QAM	1	0	22.91	22.86	22.81					
15	16QAM	1	37	22.86	22.96	22.79	24	0.5			
15	16QAM	1	74	22.90	22.84	22.83					
15	16QAM	36	0	21.84	21.61	21.62					
15	16QAM	36	20	21.59	21.61	21.59	23	1.5			
15	16QAM	36	39	21.86	21.64	21.65					
15	16QAM	75	0	21.65	21.65	21.65					
15	64QAM	1	0	21.70	21.65	21.68					
15	64QAM	1	37	21.73	21.83	21.79	23	1.5			
15	64QAM	1	74	21.78	21.64	21.66					
15	64QAM	36	0	20.65	20.63	20.67					
15	64QAM	36	20	20.81	20.65	20.62	22	2.5			
15	64QAM	36	39	20.69	20.65	20.56					
15	64QAM	75	0	20.67	20.65	20.62					
Channel											
Frequency (MHz)				26740	26865	26860	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	23.19	23.18	23.08					
10	QPSK	1	25	23.03	23.03	23.03	24.5	0			
10	QPSK	1	49	23.03	23.03	23.03					
10	QPSK	25	0	22.55	22.64	22.59					
10	QPSK	25	12	22.58	22.49	22.47	24	0.5			
10	QPSK	25	25	22.53	22.51	22.51					
10	16QAM	1	0	22.79	22.80	22.77					
10	16QAM	1	25	22.83	22.91	22.76	24	0.5			
10	16QAM	1	49	22.80	22.79	22.72					
10	16QAM	25	0	21.80	21.48	21.61					
10	16QAM	25	12	21.62	21.58	21.57	23	1.5			
10	16QAM	25	25	21.52	21.60	21.41					
10	16QAM	50	0	21.37	21.62	21.50					
10	64QAM	1	0	21.63	21.50	21.84					
10	64QAM	1	25	21.65	21.71	21.72	23	1.5			
10	64QAM	1	49	21.74	21.58	21.64					
10	64QAM	25	0	20.51	20.57	20.54					
10	64QAM	25	12	20.54	20.54	20.54	22	2.5			
10	64QAM	25	25	20.62	20.59	20.53					
10	64QAM	50	0	20.59	20.54	20.47					
Channel											
Frequency (MHz)				816.5	831.5	846.5	Turn-up time (dBm)	MPR (dB)			
5	QPSK	1	0	23.22	23.21	23.12					
5	QPSK	1	25	23.03	23.03	23.03	24.5	0			
5	QPSK	1	24	23.03	23.03	23.03					
5	QPSK	12	0	22.65	22.68	22.57					
5	QPSK	12	7	22.62	22.49	22.47	24	0.5			
5	QPSK	12	13	22.58	22.57	22.41					
5	QPSK	1	25	22.56	22.61	22.51					
5	16QAM	1	0	22.82	22.81	22.82					
5	16QAM	1	12	22.81	22.86	22.77	24	0.5			
5	16QAM	1	24	22.79	22.77	22.76					
5	16QAM	12	0	21.61	21.48	21.58					
5	16QAM	12	7	21.58	21.53	21.70	23	1.5			
5	16QAM	12	13	21.60	21.52	21.53					
5	16QAM	25	0	21.54	21.55	21.57					
5	16QAM	1	0	21.57	21.55	21.50					
5	16QAM	1	12	21.71	21.78	21.65	23	1.5			
5	16QAM	1	24	21.62	21.61	21.61					
5	16QAM	12	0	20.54	20.58	20.50					
5	16QAM	12	7	20.58	20.64	20.52					
5	16QAM	12	13	20.62	20.58	20.47	22	2.5			
5	16QAM	25	0	20.65	20.57	20.51					
Channel											
Frequency (MHz)				26770	26865	26865	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				814.7	831.5	848.3					
3	QPSK	1	0	23.21	23.18	23.09					
3	QPSK	1	8	23.03	23.06	23.07	24.5	0			
3	QPSK	1	14	23.04	23.04	23.06					
3	QPSK	8	0	22.65	22.62	22.52					
3	QPSK	8	4	22.53	22.49	22.50	24	0.5			
3	QPSK	8	7	22.64	22.62	22.42					
3	QPSK	15	0	22.60	22.53	22.50					
3	16QAM	1	0	22.88	22.84	22.88					
3	16QAM	1	8	22.75	22.82	22.72	24	0.5			
3	16QAM	1	14	22.86	22.82	22.85					
3	16QAM	8	0	21.53	21.52	21.53					
3	16QAM	8	4	21.53	21.52	21.57	23	1.5			
3	16QAM	8	7	21.60	21.52	21.64					
3	16QAM	15	0	21.59	21.52	21.59					
3	64QAM	1	0	21.57	21.57	21.57					
3	64QAM	1	8	21.62	21.75	21.61	23	1.5			
3	64QAM	1	14	21.71	21.50	21.65					
3	64QAM	8	0	20.52	20.57	20.52					
3	64QAM	8	4	20.52	20.50	20.48	22	2.5			
3	64QAM	8	7	20.59	20.64	20.54					
3	64QAM	15	0	20.56	20.56	20.56					
Channel											
Frequency (MHz)				26697	26865	27033	Turn-up time (dBm)	MPR (dB)			
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	23.18	23.21	23.14					
1.4	QPSK	1	3	23.00	23.06	23.10	24.5	0			
1.4	QPSK	1	5	23.05	23.08	23.09					
1.4	QPSK	1	23	23.02	23.17	23.17					
1.4	QPSK	3	1	23.05	23.06	23.03					
1.4	QPSK	3	3	23.04	23.11	23.02					
1.4	QPSK	6	0	22.80	22.58	22.54	24	0.5			
1.4	QPSK	1	0	22.81	22.86	22.84					
1.4	16QAM	1	0	22.82	22.86	22.81					
1.4	16QAM	3	0	22.81	22.80	22.73	24	0.5			
1.4	16QAM	3	1	22.84	22.82	22.47					
1.4	16QAM	3	3	22.84	23.01	22.43					
1.4	16QAM	6	0	21.54	21.56	21.74	23	1.5			
1.4	16QAM	1	0	21.59	21.57	21.79					
1.4	16QAM	1	3	21.63	21.74	21.68					
1.4	16QAM	1	5	21.66	21.55	21.55	23	1.5			
1.4	16QAM	3	0	21.56	21.62	21.54					
1.4	16QAM	3	3	21.58	21.59	21.53					
1.4	16QAM	3	3	21.59	21.62	21.45					
1.4	64QAM	6	0	20.56	20.57	20.53	22	2.5			

Band 66_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MFR (dB)		
Channel				132072	132222	132617	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	18.21	18.24	18.22	20	0		
20	QPSK	1	49	18.18	18.20	18.15				
20	QPSK	1	99	18.12	18.16	18.12				
20	QPSK	50	0	18.17	18.22	18.16	20	0		
20	QPSK	50	24	18.15	18.18	18.17				
20	QPSK	50	50	18.12	18.15	18.14				
20	QPSK	100	0	18.13	18.16	18.15	20	0		
20	16QAM	1	0	18.17	18.15	18.16				
20	16QAM	1	49	18.08	18.10	18.06				
20	16QAM	1	99	18.11	18.12	18.02	20	0		
20	16QAM	50	0	18.12	18.18	18.16				
20	16QAM	50	24	18.10	18.08	18.15				
20	16QAM	50	50	18.10	18.12	18.08	20	0		
20	16QAM	100	0	18.11	18.07	18.06				
20	64QAM	1	0	18.16	18.20	18.12				
20	64QAM	1	49	18.09	18.13	18.13	20	0		
20	64QAM	1	99	18.07	18.10	18.03				
20	64QAM	50	0	18.14	18.21	18.17				
20	64QAM	50	24	18.11	18.08	18.10	20	0		
20	64QAM	50	50	18.04	18.14	18.12				
20	64QAM	100	0	18.12	18.13	18.10				
Channel				132047	132222	132617	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	18.14	18.16	18.18	20	0		
15	QPSK	1	37	18.16	18.10	18.10				
15	QPSK	1	74	18.02	18.11	18.06				
15	QPSK	36	0	18.11	18.20	18.18	20	0		
15	QPSK	36	20	18.08	18.11	18.12				
15	QPSK	36	39	18.09	18.09	18.13				
15	QPSK	75	0	18.03	18.08	18.09	20	0		
15	16QAM	1	0	18.12	18.10	18.14				
15	16QAM	1	37	18.02	18.18	18.05				
15	16QAM	1	74	18.07	18.08	18.02	20	0		
15	16QAM	36	0	18.02	18.13	18.07				
15	16QAM	36	20	18.02	18.04	18.12				
15	16QAM	36	39	18.03	18.11	18.07	20	0		
15	16QAM	75	0	18.09	18.05	18.02				
15	64QAM	1	0	18.06	18.15	18.08				
15	64QAM	1	37	18.05	18.03	18.06	20	0		
15	64QAM	1	74	18.04	18.09	18.05				
15	64QAM	36	0	18.11	18.10	18.12				
15	64QAM	36	20	18.02	18.15	18.04	20	0		
15	64QAM	36	39	18.00	18.10	18.02				
15	64QAM	75	0	18.03	18.08	18.04				
Channel				132022	132222	132617	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1715	1745	1772.5				
10	QPSK	1	0	18.14	18.17	18.21	20	0		
10	QPSK	1	25	18.17	18.18	18.11				
10	QPSK	1	49	18.06	18.08	18.07				
10	QPSK	25	0	18.15	18.13	18.08	20	0		
10	QPSK	25	12	18.08	18.17	18.13				
10	QPSK	25	25	18.03	18.10	18.04				
10	QPSK	50	0	18.10	18.09	18.08	20	0		
10	16QAM	1	0	18.07	18.13	18.07				
10	16QAM	1	25	18.04	18.17	18.02				
10	16QAM	1	49	18.09	18.04	18.03	20	0		
10	16QAM	25	0	18.10	18.09	18.12				
10	16QAM	25	12	18.02	18.03	18.07				
10	16QAM	25	25	18.03	18.07	18.03	20	0		
10	16QAM	50	0	18.08	18.04	18.01				
10	64QAM	1	0	18.06	18.18	18.02				
10	64QAM	1	25	18.03	18.08	18.03	20	0		
10	64QAM	1	49	18.00	18.07	18.04				
10	64QAM	25	0	18.06	18.20	18.09				
10	64QAM	25	12	18.02	18.03	18.07	20	0		
10	64QAM	25	25	18.03	18.07	18.03				
10	64QAM	50	0	18.02	18.06	18.07				
Channel				131997	132222	132617	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1712.5	1745	1777.5 <th colspan="2"></th>				
5	QPSK	1	0	18.18	18.19	18.18	20	0		
5	QPSK	1	12	18.13	18.10	18.11				
5	QPSK	1	24	18.09	18.07	18.06				
5	QPSK	12	0	18.15	18.16	18.14	20	0		
5	QPSK	12	7	18.14	18.15	18.08				
5	QPSK	12	13	18.05	18.12	18.09				
5	QPSK	25	0	18.12	18.08	18.05	20	0		
5	16QAM	1	0	18.16	18.13	18.14				
5	16QAM	1	12	18.04	18.12	18.09				
5	16QAM	1	24	18.09	18.06	18.02	20	0		
5	16QAM	12	0	18.09	18.09	18.09				
5	16QAM	12	7	18.02	18.03	18.12				
5	16QAM	12	13	18.09	18.03	18.06	20	0		
5	16QAM	25	0	18.07	18.04	18.01				
5	64QAM	1	0	18.10	18.11	18.07				
5	64QAM	1	12	18.07	18.07	18.11	20	0		
5	64QAM	1	24	18.05	18.13	18.02				
5	64QAM	12	0	18.13	18.20	18.12				
5	64QAM	12	7	18.05	18.04	18.06	20	0		
5	64QAM	12	13	18.04	18.11	18.03				
5	64QAM	25	0	18.03	18.08	18.06				
Channel				131987	132222	132617	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	18.16	18.14	18.20	20	0		
3	QPSK	1	8	18.10	18.10	18.07				
3	QPSK	1	14	18.09	18.07	18.08				
3	QPSK	8	0	18.15	18.17	18.08	20	0		
3	QPSK	8	4	18.05	18.12	18.10				
3	QPSK	8	7	18.05	18.05	18.09				
3	QPSK	15	0	18.10	18.07	18.10	20	0		
3	16QAM	1	0	18.11	18.11	18.10				
3	16QAM	1	8	18.03	18.15	18.02				
3	16QAM	1	14	18.05	18.08	18.04	20	0		
3	16QAM	8	0	18.09	18.08	18.09				
3	16QAM	8	4	18.09	18.01	18.05				
3	16QAM	8	7	18.01	18.09	18.06	20	0		
3	16QAM	15	0	18.04	18.04	18.05				
3	64QAM	1	0	18.09	18.12	18.05				
3	64QAM	1	8	18.07	18.05	18.07	20	0		
3	64QAM	1	14	18.01	18.12	18.00				
3	64QAM	8	0	18.10	18.14	18.09				
3	64QAM	8	4				20	0		
3	64QAM	8	7	18.08	18.05	18.04				
3	64QAM	8	15	18.00	18.13	18.09				
3	64QAM	15	0	18.05	18.06	18.04	20	0		
3	64QAM	15	8							
3	64QAM	15	15							
Channel				131979	132222	132655	Tune-up (dBm)	MFR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	18.11	18.16	18.17	20	0		
1.4	QPSK	1	3	18.10	18.18	18.08				
1.4	QPSK	1	6	18.09	18.07	18.10				
1.4	QPSK	3	0	18.16	18.21	18.18	20	0		
1.4	QPSK	3	1	18.13	18.17	18.10				
1.4	QPSK	3	3	18.06	18.10	18.05				
1.4	QPSK	6	0	18.12	18.08	18.14	25	0		
1.4	QPSK	6	0	18.07	18.13	18.08				
1.4	16QAM	1	0	18.07	18.14	18.04				
1.4	16QAM	1	5	18.09	18.11	18.02	20	0		
1.4	16QAM	3	0	18.04	18.09	18.05				
1.4	16QAM	3	3	18.09	18.01	18.13				
1.4	16QAM	3	3	18.07	18.03	18.05	20	0		
1.4	16QAM	6	0	18.01	18.04	18.05				
1.4	16QAM	6	0	18.10	18.17	18.05				
1.4	64QAM	1	3	18.10	18.11	18.12	20	0		
1.4	64QAM	1	5	18.04	18.14	18.01				
1.4	64QAM	3	0	18.13	18.19	18.11				
1.4	64QAM	3	1	18.02	18.03	18.01	20	0		
1.4	64QAM	3	3	18.03	18.08	18.09				
1.4	64QAM	6	0	18.09	18.06	18.03				

Band 38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.00	19.94	19.85	20.5	0	19.64
20	QPSK	1	49	19.93	19.92	19.75			
20	QPSK	1	99	19.86	19.74	19.62			
20	QPSK	50	0	19.95	19.88	19.78	20.5	0	19.60
20	QPSK	50	24	19.92	19.86	19.72			
20	QPSK	50	50	19.77	19.72	19.61			
20	QPSK	100	0	19.94	19.89	19.78	20.5	0	19.60
20	16QAM	1	0	19.98	19.87	19.76			
20	16QAM	1	49	19.83	19.86	19.65			
20	16QAM	1	99	19.83	19.73	19.60	20.5	0	19.45
20	16QAM	50	0	19.89	19.86	19.71			
20	16QAM	50	24	19.91	19.81	19.68			
20	16QAM	50	50	19.75	19.66	19.54	20.5	0	19.59
20	16QAM	100	0	19.92	19.81	19.71			
20	64QAM	1	0	19.91	19.87	19.84			
20	64QAM	1	49	19.83	19.91	19.70	20.5	0	19.56
20	64QAM	1	99	19.80	19.68	19.60			
20	64QAM	50	0	19.93	19.80	19.71			
20	64QAM	50	24	19.87	19.77	19.63	20.5	0	19.64
20	64QAM	50	50	19.72	19.68	19.51			
20	64QAM	100	0	19.91	19.81	19.68			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.92	19.85	19.79	20.5	0	19.54
15	QPSK	1	37	19.88	19.85	19.73			
15	QPSK	1	74	19.83	19.72	19.52			
15	QPSK	36	0	19.86	19.84	19.75	20.5	0	19.53
15	QPSK	36	20	19.89	19.84	19.67			
15	QPSK	36	39	19.74	19.67	19.58			
15	QPSK	75	0	19.84	19.86	19.72	20.5	0	19.47
15	16QAM	1	0	19.90	19.81	19.69			
15	16QAM	1	37	19.81	19.82	19.61			
15	16QAM	1	74	19.80	19.67	19.54	20.5	0	19.63
15	16QAM	36	0	19.86	19.83	19.63			
15	16QAM	36	20	19.83	19.72	19.67			
15	16QAM	36	39	19.69	19.60	19.52	20.5	0	19.54
15	16QAM	75	0	19.89	19.73	19.66			
15	64QAM	1	0	19.85	19.85	19.80			
15	64QAM	1	37	19.79	19.83	19.68	20.5	0	19.49
15	64QAM	1	74	19.73	19.62	19.54			
15	64QAM	36	0	19.84	19.74	19.64			
15	64QAM	36	20	19.78	19.71	19.53	20.5	0	19.50
15	64QAM	36	39	19.66	19.59	19.41			
15	64QAM	75	0	19.81	19.74	19.67			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.92	19.90	19.80	20.5	0	19.57
10	QPSK	1	25	19.86	19.87	19.70			
10	QPSK	1	49	19.80	19.72	19.59			
10	QPSK	25	0	19.90	19.86	19.72	20.5	0	19.50
10	QPSK	25	12	19.82	19.80	19.66			
10	QPSK	25	25	19.67	19.66	19.57			
10	QPSK	50	0	19.86	19.88	19.71	20.5	0	19.57
10	16QAM	1	0	19.88	19.80	19.69			
10	16QAM	1	25	19.79	19.83	19.56			
10	16QAM	1	49	19.80	19.69	19.54	20.5	0	19.58
10	16QAM	25	0	19.85	19.82	19.62			
10	16QAM	25	12	19.89	19.77	19.62			
10	16QAM	25	25	19.74	19.59	19.45	20.5	0	19.50
10	16QAM	50	0	19.84	19.75	19.65			
10	64QAM	1	0	19.87	19.82	19.75			
10	64QAM	1	25	19.80	19.82	19.61	20.5	0	19.50
10	64QAM	1	49	19.79	19.61	19.55			
10	64QAM	25	0	19.89	19.76	19.69			
10	64QAM	25	12	19.82	19.70	19.53	20.5	0	19.42
10	64QAM	25	25	19.65	19.62	19.41			
10	64QAM	50	0	19.85	19.74	19.65			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.98	19.90	19.75	20.5	0	19.56
5	QPSK	1	12	19.84	19.89	19.70			
5	QPSK	1	24	19.76	19.72	19.53			
5	QPSK	12	0	19.89	19.86	19.74	20.5	0	19.51
5	QPSK	12	7	19.88	19.80	19.71			
5	QPSK	12	13	19.71	19.62	19.59			
5	QPSK	25	0	19.91	19.88	19.72	20.5	0	19.50
5	16QAM	1	0	19.97	19.85	19.67			
5	16QAM	1	12	19.79	19.76	19.62			
5	16QAM	1	24	19.78	19.65	19.56	20.5	0	19.42
5	16QAM	12	0	19.79	19.80	19.70			
5	16QAM	12	7	19.87	19.73	19.63			
5	16QAM	12	13	19.66	19.58	19.52	20.5	0	19.55
5	16QAM	25	0	19.84	19.79	19.70			
5	64QAM	1	0	19.81	19.78	19.76			
5	64QAM	1	12	19.81	19.81	19.62	20.5	0	19.48
5	64QAM	1	24	19.78	19.67	19.53			
5	64QAM	12	0	19.91	19.71	19.70			
5	64QAM	12	7	19.78	19.67	19.54	20.5	0	19.42
5	64QAM	12	13	19.63	19.63	19.42			
5	64QAM	25	0	19.87	19.75	19.67			

Band 41_Ant 4									
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.	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.94	20.80	20.18	19.49	19.64	21.25
20	QPSK	1	49	21.13	20.76	20.13	19.52	19.61	
20	QPSK	1	99	21.18	20.83	20.20	19.59	19.69	
20	QPSK	50	0	20.84	20.79	20.12	19.40	19.60	21.25
20	QPSK	50	24	21.09	20.75	20.08	19.54	19.53	
20	QPSK	50	50	21.15	20.82	20.15	19.56	19.67	
20	QPSK	100	0	20.91	20.73	20.12	19.39	19.60	21.25
20	16QAM	1	0	20.87	20.72	20.17	19.39	19.56	
20	16QAM	1	49	21.07	20.70	20.10	19.50	19.53	
20	16QAM	1	99	21.15	20.77	20.13	19.51	19.66	21.25
20	16QAM	50	0	20.79	20.78	20.09	19.30	19.54	
20	16QAM	50	24	20.99	20.68	20.04	19.51	19.45	
20	16QAM	50	50	21.10	20.80	20.06	19.54	19.65	21.25
20	16QAM	100	0	20.90	20.65	20.11	19.35	19.59	
20	64QAM	1	0	20.91	20.79	20.09	19.46	19.56	
20	64QAM	1	49	21.06	20.69	20.09	19.44	19.52	21.25
20	64QAM	1	99	21.11	20.75	20.14	19.51	19.62	
20	64QAM	50	0	20.77	20.71	20.10	19.34	19.56	
20	64QAM	50	24	20.99	20.65	20.03	19.53	19.52	21.25
20	64QAM	50	50	21.06	20.80	20.13	19.53	19.64	
20	64QAM	100	0	20.83	20.68	20.11	19.34	19.55	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	MPR (dB)
15	QPSK	1	0	20.93	20.74	20.09	19.40	19.54	21.25
15	QPSK	1	37	21.07	20.69	20.11	19.44	19.51	
15	QPSK	1	74	21.16	20.82	20.10	19.56	19.68	
15	QPSK	36	0	20.80	20.71	20.08	19.39	19.53	21.25
15	QPSK	36	20	21.02	20.69	20.04	19.44	19.50	
15	QPSK	36	39	21.07	20.79	20.06	19.49	19.61	
15	QPSK	75	0	20.82	20.63	20.03	19.33	19.52	21.25
15	16QAM	1	0	20.80	20.71	20.09	19.31	19.47	
15	16QAM	1	37	21.00	20.61	20.04	19.42	19.51	
15	16QAM	1	74	21.10	20.67	20.09	19.45	19.63	21.25
15	16QAM	36	0	20.78	20.75	20.07	19.26	19.45	
15	16QAM	36	20	20.97	20.63	19.97	19.49	19.44	
15	16QAM	36	39	21.02	20.76	20.04	19.53	19.64	21.25
15	16QAM	75	0	20.84	20.57	20.09	19.32	19.55	
15	64QAM	1	0	20.90	20.76	20.05	19.43	19.49	
15	64QAM	1	37	20.96	20.68	20.00	19.34	19.49	21.25
15	64QAM	1	74	21.08	20.66	20.08	19.41	19.56	
15	64QAM	36	0	20.76	20.63	20.08	19.28	19.55	
15	64QAM	36	20	20.94	20.61	19.99	19.52	19.50	21.25
15	64QAM	36	39	20.98	20.74	20.06	19.51	19.59	
15	64QAM	75	0	20.77	20.66	20.04	19.35	19.45	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	MPR (dB)
10	QPSK	1	0	20.86	20.79	20.11	19.39	19.57	21.25
10	QPSK	1	25	21.08	20.74	20.12	19.49	19.54	
10	QPSK	1	49	21.11	20.81	20.16	19.56	19.63	
10	QPSK	25	0	20.75	20.78	20.10	19.39	19.50	21.25
10	QPSK	25	12	21.08	20.66	19.99	19.49	19.49	
10	QPSK	25	25	21.11	20.75	20.10	19.52	19.61	
10	QPSK	50	0	20.87	20.65	20.07	19.30	19.57	21.25
10	16QAM	1	0	20.86	20.69	20.16	19.33	19.47	
10	16QAM	1	25	20.97	20.65	20.03	19.49	19.44	
10	16QAM	1	49	21.05	20.68	20.10	19.44	19.58	21.25
10	16QAM	25	0	20.75	20.68	20.02	19.28	19.51	
10	16QAM	25	12	20.96	20.66	19.97	19.46	19.44	
10	16QAM	25	25	21.09	20.79	19.96	19.45	19.59	21.25
10	16QAM	50	0	20.86	20.62	20.06	19.33	19.49	
10	64QAM	1	0	20.83	20.69	20.07	19.43	19.55	
10	64QAM	1	25	20.97	20.59	20.01	19.42	19.50	21.25
10	64QAM	1	49	21.01	20.74	20.04	19.48	19.60	
10	64QAM	25	0	20.75	20.65	20.03	19.30	19.49	
10	64QAM	25	12	20.95	20.58	19.96	19.49	19.42	21.25
10	64QAM	25	25	20.97	20.77	20.07	19.44	19.63	
10	64QAM	50	0	20.76	20.64	20.03	19.33	19.48	
Channel				39675	40148	40620	41096.2	41567.2	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.60	2687.7	MPR (dB)
5	QPSK	1	0	20.93	20.78	20.11	19.47	19.63	21.25
5	QPSK	1	12	21.04	20.67	20.07	19.44	19.56	
5	QPSK	1	24	21.17	20.76	20.11	19.57	19.59	
5	QPSK	12	0	20.74	20.74	20.03	19.35	19.51	21.25
5	QPSK	12	7	20.99	20.71	20.02	19.45	19.46	
5	QPSK	12	13	21.08	20.78	20.09	19.49	19.64	
5	QPSK	25	0	20.89	20.70	20.05	19.31	19.50	21.25
5	16QAM	1	0	20.77	20.62	20.15	19.37	19.51	
5	16QAM	1	12	21.04	20.65	20.07	19.45	19.49	
5	16QAM	1	24	21.07	20.71	20.12	19.47	19.62	21.25
5	16QAM	12	0	20.69	20.71	20.00	19.28	19.49	
5	16QAM	12	7	20.90	20.62	19.97	19.45	19.43	
5	16QAM	12	13	21.04	20.72	20.05	19.44	19.55	21.25
5	16QAM	25	0	20.89	20.60	20.02	19.30	19.50	
5	64QAM	1	0	20.81	20.75	20.04	19.41	19.48	
5	64QAM	1	12	21.01	20.61	20.00	19.37	19.48	21.25
5	64QAM	1	24	21.09	20.72	20.06	19.46	19.60	
5	64QAM	12	0	20.72	20.62	20.08	19.31	19.51	
5	64QAM	12	7	20.95	20.61	19.95	19.48	19.42	21.25
5	64QAM	12	13	20.98	20.72	20.12	19.48	19.62	
5	64QAM	25	0	20.73	20.62	20.03	19.30	19.50	

Band 2_Ant 4													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)					
Channel													
Frequency (MHz)													
18700 18800 19000													
18800 18800 19000													
20	QPSK	1	0	23.05	23.08	22.85	24.5	0					
20	QPSK	1	49	22.89	22.73	22.84							
20	QPSK	1	99	22.79	22.82	22.75							
20	QPSK	50	0	21.99	22.01	21.85							
20	QPSK	50	24	21.93	21.77	21.74	23.5	1					
20	QPSK	50	50	21.96	21.99	21.79							
20	QPSK	100	0	21.88	21.95	21.76							
20	16QAM	1	0	22.10	21.86	21.99							
20	16QAM	1	49	22.12	22.26	21.86	23.5	1					
20	16QAM	1	99	22.11	22.05	22.03							
20	16QAM	50	0	21.04	20.88	20.73							
20	16QAM	50	24	20.98	20.77	20.82							
20	16QAM	50	50	20.91	21.05	20.84	22.5	2					
20	16QAM	100	0	20.94	20.74	20.75							
20	64QAM	1	0	20.88	21.10	21.04	22.5				2		
20	64QAM	1	49	21.10	20.78	20.95							
20	64QAM	1	99	21.01	20.91	20.98							
20	64QAM	50	0	20.03	19.86	19.74							
20	64QAM	50	24	19.98	19.75	19.79	21.5	3					
20	64QAM	50	50	19.92	19.98	19.78							
20	64QAM	100	0	19.95	19.76	19.76							
Channel													
Frequency (MHz)													
18875 18900 19125													
18900 18900 19125													
15	QPSK	1	0	23.00	23.01	22.81	24.5	0					
15	QPSK	1	99	22.87	22.87	22.87							
15	QPSK	1	74	22.65	22.80	22.65							
15	QPSK	36	0	21.89	21.87	21.76							
15	QPSK	36	20	21.88	21.86	21.68	23.5	1					
15	QPSK	36	39	21.90	21.91	21.68							
15	QPSK	75	0	21.76	21.82	21.71							
15	16QAM	1	0	21.97	21.85	21.85							
15	16QAM	1	37	22.10	22.02	21.75	23.5	1					
15	16QAM	1	74	21.97	22.00	21.96							
15	16QAM	36	0	21.01	20.87	20.88							
15	16QAM	36	20	20.98	20.85	20.84							
15	16QAM	36	39	20.85	21.02	20.73	22.5	2					
15	16QAM	75	0	20.93	20.61	20.61							
15	64QAM	1	0	20.76	21.05	21.01							
15	64QAM	1	37	20.99	20.85	20.87							
15	64QAM	1	74	20.94	20.84	20.85	21.5	3					
15	64QAM	36	0	19.97	19.79	19.71							
15	64QAM	36	20	19.94	19.85	19.72							
15	64QAM	36	39	19.88	19.94	19.65							
15	64QAM	75	0	19.83	19.75	19.72	21.5						
Channel													
Frequency (MHz)													
18900 18900 19150													
18900 18900 19150													
10	QPSK	1	0	22.90	22.93	22.83	24.5	0					
10	QPSK	1	25	22.76	22.59	22.70							
10	QPSK	1	49	22.72	22.79	22.61							
10	QPSK	25	0	21.87	21.86	21.74							
10	QPSK	25	12	21.84	21.84	21.64	23.5	1					
10	QPSK	25	25	21.83	21.89	21.74							
10	QPSK	50	0	21.80	21.93	21.61							
10	16QAM	1	0	22.07	21.78	21.86							
10	16QAM	1	25	22.02	22.02	21.81	23.5	1					
10	16QAM	1	49	22.06	21.99	21.94							
10	16QAM	25	0	20.98	20.78	20.98							
10	16QAM	25	12	20.89	20.74	20.81							
10	16QAM	25	25	20.87	21.04	20.82	22.5	2					
10	16QAM	50	0	20.82	20.61	20.63							
10	64QAM	1	0	20.73	21.00	21.03							
10	64QAM	1	25	20.98	20.77	20.98							
10	64QAM	1	49	20.99	20.83	20.89	21.5	3					
10	64QAM	25	0	19.92	19.84	19.62							
10	64QAM	25	12	19.96	19.73	19.70							
10	64QAM	25	25	19.78	19.97	19.74							
10	64QAM	50	0	19.86	19.77	19.63	21.5						
Channel													
Frequency (MHz)													
18925 18900 19175													
18925 18900 19175													
5	QPSK	1	0	23.04	23.01	22.78	24.5	0					
5	QPSK	1	12	22.79	22.72	22.70							
5	QPSK	1	24	22.66	22.78	22.72							
5	QPSK	12	0	21.86	21.88	21.68							
5	QPSK	12	7	21.81	21.70	21.68	23.5	1					
5	QPSK	12	13	21.88	21.86	21.69							
5	QPSK	25	0	21.84	21.95	21.67							
5	16QAM	1	0	22.03	21.83	21.96							
5	16QAM	1	12	21.98	21.98	21.81	23.5	1					
5	16QAM	1	24	21.99	21.94	21.96							
5	16QAM	12	0	21.02	20.85	20.71							
5	16QAM	12	7	20.99	20.72	20.72							
5	16QAM	12	13	20.93	20.96	20.79	22.5	2					
5	16QAM	25	0	20.85	20.66	20.73							
5	64QAM	1	0	20.94	21.01	21.01							
5	64QAM	1	12	21.02	20.73	20.94							
5	64QAM	1	24	20.92	20.87	20.90	22.5	2					
5	64QAM	12	0	19.94	19.74	19.68							
5	64QAM	12	7	19.88	19.71	19.67							
5	64QAM	12	13	19.78	19.90	19.71							
5	64QAM	25	0	19.85	19.75	19.74	21.5	3					
Channel													
Frequency (MHz)													
18950 18900 19165													
18950 18900 19165													
3	QPSK	1	0	23.02	23.07	22.73	24.5	0					
3	QPSK	1	8	22.71	22.82	22.79							
3	QPSK	1	14	22.72	22.77	22.74							
3	QPSK	8	0	21.89	21.96	21.75							
3	QPSK	8	4	21.87	21.88	21.73	23.5	1					
3	QPSK	8	7	21.85	21.90	21.75							
3	QPSK	15	0	21.79	21.87	21.64							
3	16QAM	1	0	22.07	21.83	21.87							
3	16QAM	1	8	22.07	22.03	21.72	23.5	1					
3	16QAM	1	14	21.96	22.01	21.95							
3	16QAM	8	0	20.99	20.74	20.67							
3	16QAM	8	7	20.92	20.73	20.75							
3	16QAM						22.5	2					
3	16QAM	15	0	20.80	20.67	20.63							
3	64QAM	1	0	20.89	21.04	21.04							
3	64QAM	1	8	21.09	20.74	20.89							
3	64QAM	1	14	20.95	20.78	20.94	22.5	2					
3	64QAM	8	0	20.01	19.78	19.71							
3	64QAM	8	4	19.92	19.62	19.72							
3	64QAM	8	7	19.84	19.89	19.78							
3	64QAM	15	0	19.89	19.70	19.70	21.5	3					
Channel													
Frequency (MHz)													
18970 18900 19165													
18970 18900 19165													
1.4	QPSK	1	0	22.98	23.01	22.77	24.5	0					
1.4	QPSK	1	3	22.83	22.87	22.78							
1.4	QPSK	1	5	22.71	22.84	22.68							
1.4	QPSK	1	23.05	23.01	22.75								
1.4	QPSK	3	1	22.79	22.67	22.77	23.5	1					
1.4	QPSK	3	3	22.69	22.58	22.68							
1.4	QPSK	6	0	21.76	21.96	21.67							
1.4	16QAM	1	0	21.78	22.05	21.89							
1.4	16QAM	3	1	21.75	21.96	21.78	23.5	1					
1.4	16QAM	3	3	21.89	21.93	21.74							
1.4	16QAM	3	5	21.84	21.69	21.64							
1.4	16QAM	3	21.86	21.59	21.73								
1.4	16QAM	6	0	20.89	20.68	20.69	22.5	2					
1.4	16QAM	1	0	21.05	21.04	20.99							
1.4	16QAM	1	3	20.91	20.72	20.89							
1.4	16QAM	1	5	20.95	20.79	20.95							
1.4	16QAM	3	3	20.96	20.80	20.67	22.5	2					
1.4	16QAM	3	5	20.93	20.76	20.82							
1.4	16QAM	3	21.83	20.72	20.75								
1.4	16QAM	3	20.83	20.63	20.75								
1.4	64QAM	6	0	19.86	19.70	19.70	21.5	3					
1.4	64QAM	6	3	19.83	19.62	19.72							
1.4	64QAM	6	5	19.80	19.60	19.70							
1.4	64QAM	6	21.83	19.59	19.70								

Band 5_Ant 1											
BSI [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power Mid Ch [dBm]	Power High Ch [dBm]	Turn-up (ant. offset)	MPRR (dB)			
Channel				204650	205025	205650					
Frequency (MHz)				826.5	836.5	846.5					
10	QPSK	1	0	23.35	23.42	23.35					
10	QPSK	1	25	23.33	23.34	23.24	24.5	0			
10	QPSK	1	49	23.32	23.21	23.22					
10	QPSK	25	0	22.81	22.87	22.85					
10	QPSK	25	12	22.86	22.97	22.97	24	0.5			
10	QPSK	25	25	22.82	22.83	22.77					
10	QPSK	50	0	22.81	22.83	22.77					
10	HQAM	1	0	23.03	23.05	23.08					
10	HQAM	1	25	22.98	23.08	22.89	24	0.5			
10	HQAM	1	49	23.06	23.07	23.07					
10	HQAM	25	0	21.80	21.87	21.83					
10	HQAM	25	12	21.78	21.78	21.76	23	1.5			
10	HQAM	25	25	21.82	21.82	21.74					
10	HQAM	50	0	21.82	21.83	21.78					
10	HQAM	50	12	21.77	21.78	21.73					
10	HQAM	50	25	21.88	21.96	21.88	23	1.5			
10	HQAM	1	49	21.97	21.99	21.87					
10	HQAM	25	0	20.82	20.83	20.79					
10	HQAM	25	12	20.77	20.78	20.74	22	2.5			
10	HQAM	25	25	20.83	20.79	20.72					
10	HQAM	50	0	20.83	20.79	20.77					
Channel				204225	205025	205625	Turn-up (ant. offset)	MPRR (dB)			
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	23.32	23.40	23.34					
5	QPSK	1	12	23.24	23.25	23.25	24.5	0			
5	QPSK	1	24	23.22	23.18	23.15					
5	QPSK	12	0	22.77	22.81	22.76					
5	QPSK	12	7	22.70	22.79	22.71	24	0.5			
5	QPSK	12	13	22.77	22.77	22.69					
5	QPSK	25	0	22.71	22.78	22.68					
5	HQAM	1	0	22.96	22.95	22.99					
5	HQAM	1	12	22.88	23.00	22.92	24	0.5			
5	HQAM	1	24	22.97	22.92	22.90					
5	HQAM	12	0	21.70	21.82	21.70					
5	HQAM	12	7	21.74	21.80	21.68	23	1.5			
5	HQAM	12	13	21.75	21.75	21.65					
5	HQAM	25	0	21.77	21.78	21.71					
5	HQAM	1	0	21.81	21.81	21.97					
5	HQAM	1	12	21.86	21.86	21.79	23	1.5			
5	HQAM	1	24	21.89	21.91	21.79					
5	HQAM	12	0	20.73	20.77	20.73					
5	HQAM	12	7	20.69	20.75	20.64	22	2.5			
5	HQAM	12	13	20.78	20.73	20.62					
5	HQAM	25	0	20.72	20.70	20.62					
Channel				204315	205025	205635	Turn-up (ant. offset)	MPRR (dB)			
Frequency (MHz)				825.5	835.5	847.5					
3	QPSK	1	0	23.30	23.39	23.34					
3	QPSK	1	8	23.26	23.26	23.19	24.5	0			
3	QPSK	1	16	23.24	23.12	23.13					
3	QPSK	8	0	22.76	22.78	22.71					
3	QPSK	8	8	22.74	22.74	22.73	24	0.5			
3	QPSK	8	7	22.77	22.76	22.72					
3	QPSK	15	0	22.73	22.78	22.67					
3	QPSK	1	0	22.96	22.96	22.98					
3	HQAM	1	8	22.99	22.98	22.98	24	0.5			
3	HQAM	1	14	22.98	22.89	22.89					
3	HQAM	8	0	21.70	21.77	21.74					
3	HQAM	8	4	21.72	21.71	21.71	23	1.5			
3	HQAM	8	7	21.76	21.76	21.68					
3	HQAM	15	0	21.77	21.78	21.68					
3	HQAM	1	0	21.85	21.81	21.97					
3	HQAM	1	8	21.81	21.89	21.80	23	1.5			
3	HQAM	1	16	21.89	21.90	21.77					
3	HQAM	8	0	20.76	20.78	20.71					
3	HQAM	8	4	20.72	20.68	20.65	22	2.5			
3	HQAM	8	7	20.73	20.69	20.66					
3	HQAM	15	0	20.74	20.73	20.72					
Channel				204307	205025	205643	Turn-up (ant. offset)	MPRR (dB)			
Frequency (MHz)				826.7	836.7	846.7					
1.4	QPSK	1	0	23.26	23.39	23.34					
1.4	QPSK	1	5	23.23	23.23	23.22	24.5	0			
1.4	QPSK	3	0	23.24	23.23	23.32					
1.4	QPSK	3	1	23.22	23.27	23.14					
1.4	QPSK	3	2	23.27	23.15	23.17					
1.4	QPSK	6	0	22.71	22.78	22.68	24	0.5			
1.4	HQAM	1	0	22.96	22.96	23.02					
1.4	HQAM	1	3	22.91	23.01	22.82					
1.4	HQAM	1	6	22.96	23.02	22.88	24	0.5			
1.4	HQAM	3	0	22.78	22.78	22.76					
1.4	HQAM	3	3	22.72	22.79	22.72					
1.4	HQAM	3	7	22.73	22.78	22.68					
1.4	HQAM	6	0	21.73	21.78	21.70	23	1.5			
1.4	HQAM	1	0	21.85	21.78	21.98					
1.4	HQAM	1	3	21.81	21.90	21.83	23	1.5			
1.4	HQAM	1	5	21.87	21.93	21.80					
1.4	HQAM	3	0	21.72	21.82	21.76					
1.4	HQAM	3	1	21.76	21.71	21.71					
1.4	HQAM	3	7	21.73	21.71	21.67					
1.4	HQAM	6	0	20.78	20.72	20.71	22	2.5			

Band 7_Ant 4											
BSF	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-on time (min)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.65	23.66	23.76					
20	QPSK	1	49	23.60	23.60	22.96			24.5	0	
20	QPSK	1	99	23.60	23.60	23.08					
20	QPSK	50	0	22.73	22.77	22.59					
20	QPSK	50	50	22.77	22.78	22.44			23.5	1	
20	QPSK	50	50	22.63	22.64	22.01					
20	QPSK	100	0	22.62	22.63	22.05					
20	HQDM	1	0	22.54	22.48	22.01					
20	HQDM	1	49	22.40	22.48	21.81			23.5	1	
20	HQDM	1	99	22.41	22.27	21.80					
20	HQDM	50	0	21.54	21.57	20.97					
20	HQDM	50	24	21.68	21.46	20.96			22.5	2	
20	HQDM	50	50	21.70	21.34	20.95					
20	HQDM	100	0	21.63	21.43	20.96					
20	HQDM	100	50	21.58	21.54	21.04					
20	HQDM	1	49	21.83	21.72	20.87			22.5	2	
20	HQDM	1	99	21.88	21.26	20.92					
20	HQDM	50	0	20.79	20.58	19.80					
20	HQDM	50	24	20.87	20.58	19.97			21.5	3	
20	HQDM	50	50	20.64	20.31	19.95					
20	HQDM	100	0	20.67	20.42	19.88					
Channel											
Frequency (MHz)							2507.5	2510.0	2517.5	Turn-on time (min)	MPE (dB)
15	QPSK	1	0	23.63	23.66	23.18					
15	QPSK	1	37	23.52	23.52	22.98			24.5	0	
15	QPSK	1	74	23.56	23.52	22.95					
15	QPSK	36	0	22.63	22.72	21.99					
15	QPSK	36	20	22.60	22.39	21.95			23.5	1	
15	QPSK	36	39	22.62	22.25	21.88					
15	QPSK	75	0	22.54	22.58	21.93					
15	HQDM	1	0	22.45	22.43	21.91					
15	HQDM	1	37	22.31	22.36	21.89			23.5	1	
15	HQDM	1	74	22.26	22.15	21.80					
15	HQDM	36	0	21.49	21.47	20.85					
15	HQDM	36	20	21.46	21.35	20.82			22.5	2	
15	HQDM	36	39	21.66	21.19	20.87					
15	HQDM	75	0	21.55	21.36	20.90					
15	HQDM	1	0	21.50	21.42	20.92					
15	HQDM	1	37	21.39	21.29	20.86			22.5	2	
15	HQDM	1	74	21.83	21.18	20.92					
15	HQDM	36	0	20.57	20.55	19.92					
15	HQDM	36	20	20.59	20.51	19.92			21.5	3	
15	HQDM	36	39	20.62	20.17	19.93					
15	HQDM	75	0	20.58	20.35	19.90					
Channel											
Frequency (MHz)							2508.0	2510.0	2514.0	Turn-on time (min)	MPE (dB)
10	QPSK	1	0	23.54	23.55	23.26					
10	QPSK	1	49	23.58	23.37	22.87			24.5	0	
10	QPSK	1	99	23.5	23.5	23.08					
10	QPSK	50	0	22.63	22.72	21.99					
10	QPSK	50	25	22.71	22.47	21.82			23.5	1	
10	QPSK	25	25	22.53	22.29	21.86					
10	QPSK	50	0	22.49	22.50	21.99					
10	QPSK	1	0	22.52	22.52	22.04					
10	HQDM	1	25	22.77	22.38	21.96			23.5	1	
10	HQDM	1	49	22.28	22.19	21.89					
10	HQDM	25	0	21.56	21.29	20.88			22.5	2	
10	HQDM	25	12	21.62	21.45	20.90					
10	HQDM	50	0	21.55	21.38	20.92					
10	HQDM	1	0	21.45	21.43	20.81					
10	HQDM	1	25	21.68	21.57	20.85			22.5	2	
10	HQDM	1	49	21.73	21.25	20.88					
10	HQDM	25	0	20.46	20.45	19.93					
10	HQDM	25	12	20.52	20.42	19.85			21.5	3	
10	HQDM	25	25	20.48	20.25	19.89					
10	HQDM	50	0	20.61	20.31	19.93					
Channel											
Frequency (MHz)							2507.5	2510.0	2514.0	Turn-on time (min)	MPE (dB)
5	QPSK	1	0	23.57	23.57	23.27					
5	QPSK	1	24	23.54	23.44	22.85			24.5	0	
5	QPSK	1	24	23.55	23.12	22.98					
5	QPSK	12	0	22.62	22.68	22.03					
5	QPSK	12	7	22.58	22.28	21.89			23.5	1	
5	QPSK	12	23	22.60	22.24	21.49					
5	QPSK	25	0	22.56	22.58	21.99					
5	HQDM	1	0	22.46	22.42	21.99					
5	HQDM	1	12	22.29	22.48	21.86			23.5	1	
5	HQDM	1	24	22.38	22.17	21.97					
5	HQDM	12	0	21.48	21.54	20.85					
5	HQDM	12	7	21.64	21.43	20.89			22.5	2	
5	HQDM	12	23	21.82	21.30	20.93					
5	HQDM	25	0	21.48	21.29	20.96					
5	HQDM	1	0	21.48	21.48	21.09			22.5	2	
5	HQDM	1	12	21.71	21.63	20.95					
5	HQDM	1	24	21.86	21.14	20.88					
5	HQDM	12	0	20.60	20.42	19.94					
5	HQDM	12	7	20.58	20.29	19.97			21.5	3	
5	HQDM	12	23	20.69	20.17	19.90					
5	HQDM	25	0	20.61	20.40	19.98					

Band 7_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /Freq.	Power Med. Ch. /Freq.	Power High Ch. /Freq.	Turn-on and (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.02	17.23	16.96				
20	QPSK	1	49	17.02	17.22	16.89	18	0		
20	QPSK	1	99	16.97	17.03	16.88				
20	QPSK	50	0	16.97	17.15	16.87				
20	QPSK	50	24	16.96	17.14	16.88				
20	QPSK	50	50	16.92	17.02	16.79			0	
20	QPSK	100	0	16.95	17.13	16.92				
20	16QAM	1	0	16.95	17.16	16.90				
20	16QAM	1	49	16.99	17.21	16.88	18	0		
20	16QAM	1	99	16.86	16.96	16.87				
20	16QAM	50	0	16.96	17.08	16.79				
20	16QAM	50	24	16.91	17.08	16.85			0	
20	16QAM	50	50	16.90	16.96	16.75				
20	16QAM	100	0	16.87	17.05	16.88				
20	16QAM	100	24	16.98	17.11	16.92				
20	64QAM	1	49	16.94	17.10	16.86	18	0		
20	64QAM	1	99	16.88	17.06	16.83				
20	64QAM	50	0	16.89	17.05	16.78				
20	64QAM	50	24	16.82	17.05	16.86			0	
20	64QAM	50	50	16.85	17.00	16.71				
20	64QAM	100	0	16.85	17.09	16.82				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.625	21.000	21.075	Turn-on and (dBm)	MPE (dB)		
15	QPSK	1	0	17.07	17.21	16.91				
15	QPSK	1	31	17.07	17.20	16.91				
15	QPSK	1	74	16.94	16.93	16.96	18	0		
15	QPSK	36	0	16.95	17.08	16.78				
15	QPSK	36	20	16.82	17.07	16.86			0	
15	QPSK	36	39	16.88	16.96	16.70				
15	16QAM	75	0	16.92	17.11	16.88	18	0		
15	16QAM	1	0	16.86	17.16	16.85				
15	16QAM	1	37	16.91	17.12	16.81			0	
15	16QAM	1	74	16.82	16.87	16.81				
15	16QAM	36	0	16.90	17.00	16.74				
15	16QAM	36	20	16.72	16.99	16.82			0	
15	16QAM	36	39	16.76	16.90	16.65				
15	16QAM	75	0	16.83	17.01	16.76				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.600	21.020	21.040	Turn-on and (dBm)	MPE (dB)		
10	QPSK	1	0	17.00	17.18	16.86				
10	QPSK	1	26	17.01	17.13	16.86				
10	QPSK	1	49	16.93	17.01	16.79	18	0		
10	QPSK	25	0	16.88	17.14	16.85				
10	QPSK	25	12	16.88	17.11	16.85				
10	QPSK	25	26	16.86	16.94	16.78				
10	QPSK	50	0	16.87	17.13	16.87				
10	QPSK	50	26	16.82	17.17	16.82			0	
10	16QAM	1	49	16.85	16.90	16.79				
10	16QAM	25	0	16.89	17.00	16.75				
10	16QAM	25	12	16.89	17.06	16.80				
10	16QAM	25	26	16.88	16.96	16.79			0	
10	16QAM	50	0	16.82	16.97	16.79				
10	64QAM	1	0	16.95	17.16	16.89				
10	64QAM	1	26	16.86	17.14	16.83			0	
10	64QAM	1	49	16.78	16.90	16.80				
10	64QAM	25	0	16.82	17.06	16.75				
10	64QAM	25	12	16.74	17.03	16.85				
10	64QAM	25	26	16.80	16.97	16.85			0	
10	64QAM	50	0	16.81	17.04	16.81				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.773	21.106	21.425	Turn-on and (dBm)	MPE (dB)		
5	QPSK	1	0	16.99	17.23	16.93				
5	QPSK	1	12	16.96	17.21	16.79	18	0		
5	QPSK	1	24	16.88	16.86	16.81				
5	QPSK	12	0	16.96	17.07	16.87				
5	QPSK	12	7	16.85	16.97	16.80				
5	QPSK	12	13	16.89	17.00	16.74				
5	QPSK	25	0	16.87	17.08	16.85				
5	16QAM	1	0	16.89	17.10	16.87				
5	16QAM	1	12	16.89	17.14	16.81				
5	16QAM	1	24	16.79	16.87	16.84				
5	16QAM	12	0	16.95	16.97	16.72				
5	16QAM	12	7	16.86	16.99	16.76				
5	16QAM	12	13	16.82	16.88	16.85			0	
5	16QAM	25	0	16.86	17.03	16.81				
5	64QAM	1	0	16.93	17.20	16.87				
5	64QAM	1	12	16.91	17.14	16.78				
5	64QAM	1	24	16.87	16.95	16.79				
5	64QAM	12	0	16.80	16.95	16.68				
5	64QAM	12	7	16.72	16.91	16.77				
5	64QAM	12	13	16.81	16.91	16.58			0	
5	64QAM	25	0	16.80	17.07	16.79				

Band 12_Ant 0										
BW (MHz)	Modulation	RB size	RB Offset	Power Low Ch / Freq	Power Prime Ch / Freq	Power/Power High Ch / Freq	Turn-on (s)	MFR (dB)		
Channel										
Frequency (MHz)				23005	23005	23150				
				702.5	702.5	712.5				
10	QPSK	1	0	23.54	23.59	23.50				
10	QPSK	1	25	23.48	23.52	23.48	25	0		
10	QPSK	1	49	23.43	23.58	23.54				
10	QPSK	25	0	22.48	22.54	22.49				
10	QPSK	25	25	22.42	22.48	22.42	24	1		
10	QPSK	25	50	22.08	22.13	22.10				
10	QPSK	50	0	22.20	22.23	22.19				
10	16QAM	1	0	22.49	22.54	22.40				
10	16QAM	1	25	22.43	22.56	22.55				
10	16QAM	1	49	22.53	22.48	22.54	24	1		
10	16QAM	25	0	21.39	21.48	21.41				
10	16QAM	25	12	21.27	21.38	21.31	23	2		
10	16QAM	25	25	21.11	21.06	21.03				
10	16QAM	50	0	21.19	21.21	21.08				
10	64QAM	1	25	21.44	21.34	21.51	24	1		
10	64QAM	1	49	21.37	21.49	21.34				
10	64QAM	25	0	20.47	20.52	20.44				
10	64QAM	25	12	20.60	20.60	20.56	22	3		
10	64QAM	25	25	20.35	20.40	20.37				
10	64QAM	50	0	20.28	20.39	20.33				
Channel										
Frequency (MHz)				23005	23005	23155	Turn-on (s)	MFR (dB)		
				705.1	707.5	715.5				
5	QPSK	1	0	23.61	23.60	23.40				
5	QPSK	1	25	23.59	23.61	23.59	25	0		
5	QPSK	1	24	23.34	23.55	23.41				
5	QPSK	12	0	22.44	22.47	22.44				
5	QPSK	12	13	22.27	22.48	22.37	24	1		
5	QPSK	12	38	22.03	22.31	22.05				
5	16QAM	1	0	22.40	22.46	22.39				
5	16QAM	1	12	22.38	22.48	22.51	24	1		
5	16QAM	1	24	22.61	22.54	22.55				
5	16QAM	12	0	21.30	21.40	21.27				
5	16QAM	12	13	21.19	21.31	21.20	23	2		
5	16QAM	12	13	21.18	21.20	21.15				
5	16QAM	25	0	21.11	21.12	21.13				
5	64QAM	1	0	21.39	21.47	21.40				
5	64QAM	1	25	21.32	21.41	21.34	23	2		
5	64QAM	1	24	21.28	21.45	21.29				
5	64QAM	12	0	20.40	20.39	20.29				
5	64QAM	12	7	20.47	20.52	20.48	22	3		
5	64QAM	12	13	20.31	20.36	20.33				
5	64QAM	25	0	20.37	20.35	20.29				
Channel										
Frequency (MHz)				23025	23005	23165	Turn-on (s)	MFR (dB)		
				700.5	707.5	714.5				
3	QPSK	1	0	23.48	23.49	23.54				
3	QPSK	1	8	23.35	23.48	23.37	25	0		
3	QPSK	1	14	23.38	23.50	23.44				
3	QPSK	8	0	22.47	22.51	22.47				
3	QPSK	8	7	22.28	22.47	22.29	24	1		
3	QPSK	15	0	22.07	22.28	22.06				
3	QPSK	15	8	22.24	22.47	22.26				
3	16QAM	1	0	22.40	22.46	22.39	24	1		
3	16QAM	1	14	22.48	22.62	22.48				
3	16QAM	8	0	21.28	21.33	21.27				
3	16QAM	8	4	21.14	21.29	21.28	23	1		
3	16QAM	8	15	21.06	21.21	21.06				
3	16QAM	15	7	21.07	21.13	21.06				
3	64QAM	1	0	21.35	21.53	21.44				
3	64QAM	1	8	21.33	21.38	21.34	23	2		
3	64QAM	1	14	21.27	21.38	21.31				
3	64QAM	8	0	20.45	20.46	20.33				
3	64QAM	8	4	20.45	20.47	20.51				
3	64QAM	8	7	20.28	20.31	20.25	22	3		
3	64QAM	15	0	20.13	20.31	20.28				
Channel										
Frequency (MHz)				23017	23005	23173	Turn-on (s)	MFR (dB)		
				702.1	702.5	714.9				
1.4	QPSK	1	0	23.47	23.43	23.42				
1.4	QPSK	1	3	23.41	23.45	23.43				
1.4	QPSK	1	5	23.48	23.38	23.49	25	0		
1.4	QPSK	3	0	23.47	23.36	23.44				
1.4	QPSK	3	1	23.36	23.27	23.38				
1.4	QPSK	3	2	23.03	23.01	23.08				
1.4	QPSK	6	0	22.21	22.13	22.03	24	1		
1.4	16QAM	1	0	22.48	22.39	22.29				
1.4	16QAM	1	3	22.42	22.30	22.45				
1.4	16QAM	1	5	22.33	22.31	22.45				
1.4	16QAM	3	0	20.38	20.37	20.27	24	1		
1.4	16QAM	3	1	22.34	22.18	22.29				
1.4	16QAM	3	3	22.15	22.19	22.10				
1.4	16QAM	6	0	21.16	21.12	21.08	23	2		
1.4	64QAM	1	0	21.43	21.34	21.46				
1.4	64QAM	1	3	21.39	21.30	21.29				
1.4	64QAM	1	5	21.39	21.31	21.31				
1.4	64QAM	3	0	21.40	21.45	21.38	23	2		
1.4	64QAM	3	1	21.50	21.52	21.52				
1.4	64QAM	3	2	21.35	21.29	21.30				
1.4	64QAM	6	0	20.31	20.22	20.19	22	3		



Band 12_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power/Low Ch / Freqs	Power/Mid Ch / Freqs	Power/High Ch / Freqs	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
				23660	23665	23150				
				704	707.5	711				
10	QPSK	1	0	23.35	23.40	23.35				
10	QPSK	1	25	23.20	23.23	23.32	24.5	0		
10	QPSK	1	40	23.30	23.33	23.33				
10	QPSK	25	0	22.23	22.27	22.21				
10	QPSK	25	12	22.20	22.23	22.20	23.5	1		
10	QPSK	25	25	22.21	22.26	22.25				
10	QPSK	50	0	22.23	22.32	22.31				
10	16QAM	1	0	22.36	22.29	22.59				
10	16QAM	1	25	22.34	22.47	22.51	23.5	1		
10	16QAM	1	40	22.40	22.49	22.60				
10	16QAM	25	0	21.17	21.18	21.27				
10	16QAM	25	12	21.14	21.23	21.26	22.5	2		
10	16QAM	25	25	21.17	21.26	21.33				
10	64QAM	1	0	21.30	21.29	21.34				
10	64QAM	1	0	21.32	21.36	21.37				
10	64QAM	1	25	21.22	21.44	21.48	22.5	2		
10	64QAM	1	40	21.33	21.41	21.52				
10	64QAM	25	0	20.21	20.20	20.27				
10	64QAM	25	0	20.20	20.23	20.24	21.5	3		
10	64QAM	25	25	20.24	20.27	20.31				
10	64QAM	50	0	20.22	20.27	20.31				
Channel										
Frequency (MHz)										
				23035	23065	23155	Turn-up (dB)	MPR (dB)		
				701.5	707.5	713.5				
5	QPSK	1	0	23.20	23.36	23.22				
5	QPSK	1	25	23.11	23.12	23.17	24.5	0		
5	QPSK	1	24	23.20	23.26	23.18				
5	QPSK	12	0	22.12	22.36	22.22				
5	QPSK	12	7	22.18	22.16	22.27	23.5	1		
5	QPSK	25	0	22.10	22.31	22.21				
5	16QAM	1	0	22.28	22.20	22.40				
5	16QAM	1	12	22.19	22.39	22.43	23.5	1		
5	16QAM	1	24	22.41	22.42	22.45				
5	16QAM	12	0	21.08	21.12	21.12				
5	16QAM	12	7	21.02	21.26	21.29	22.5	2		
5	16QAM	12	13	21.14	21.14	21.31				
5	16QAM	25	0	21.13	21.13	21.14				
5	64QAM	1	0	21.22	21.26	21.36				
5	64QAM	1	12	21.16	21.42	21.46	22.5	2		
5	64QAM	1	24	21.28	21.36	21.39				
5	64QAM	12	0	20.12	20.17	20.22				
5	64QAM	12	7	20.13	20.13	20.28	21.5	3		
5	64QAM	12	13	20.08	20.16	20.18				
5	64QAM	25	0	20.16	20.24	20.28				
Channel										
Frequency (MHz)										
				23025	23065	23165	Turn-up (dB)	MPR (dB)		
				700.5	707.5	714.5				
1.4	QPSK	1	0	23.23	23.30	23.28				
1.4	QPSK	1	8	23.19	23.11	23.25	24.5	0		
1.4	QPSK	1	14	23.25	23.19	23.28				
1.4	QPSK	8	0	22.24	22.24	22.29				
1.4	QPSK	8	4	22.12	22.10	22.21	23.5	1		
1.4	QPSK	8	7	22.10	22.18	22.14				
1.4	QPSK	15	0	22.20	22.26	22.29				
1.4	16QAM	1	0	22.22	22.21	22.40				
1.4	16QAM	1	8	22.29	22.38	22.44	23.5	1		
1.4	16QAM	1	14	22.36	22.42	22.56				
1.4	16QAM	8	0	21.10	21.10	21.19				
1.4	16QAM	8	4	21.11	21.10	21.13	22.5	2		
1.4	16QAM	8	7	21.11	21.18	21.25				
1.4	16QAM	15	0	21.10	21.17	21.20				
1.4	64QAM	1	0	21.19	21.23	21.35				
1.4	64QAM	1	8	21.10	21.31	21.45	22.5	2		
1.4	64QAM	1	14	21.27	21.29	21.47				
1.4	64QAM	8	0	20.15	20.11	20.16				
1.4	64QAM	8	4	20.15	20.09	20.23	21.5	3		
1.4	64QAM	8	7	20.23	20.16	20.21				
1.4	64QAM	15	0	20.12	20.15	20.24				
Channel										
Frequency (MHz)										
				23017	23065	23173	Turn-up (dB)	MPR (dB)		
				699.7	707.5	716.3				
1.4	QPSK	1	0	23.28	23.32	23.24				
1.4	QPSK	1	0	23.24	23.30	23.24				
1.4	QPSK	1	5	23.20	23.23	23.27	24.5	0		
1.4	QPSK	3	0	23.28	23.31	23.34				
1.4	QPSK	3	1	23.09	23.14	23.21				
1.4	QPSK	3	3	23.23	23.25	23.26				
1.4	QPSK	6	0	22.13	22.26	22.22	23.5	1		
1.4	16QAM	1	0	22.28	22.21	22.40				
1.4	16QAM	1	3	22.27	22.41	22.41				
1.4	16QAM	3	0	22.39	22.39	22.51	23.5	1		
1.4	16QAM	3	3	22.16	22.29	22.24				
1.4	16QAM	3	1	22.14	22.16	22.21				
1.4	16QAM	3	3	22.13	22.19	22.19	22.5	2		
1.4	64QAM	1	0	21.24	21.26	21.28				
1.4	64QAM	1	3	21.13	21.36	21.37				
1.4	64QAM	1	5	21.27	21.31	21.45	22.5	2		
1.4	64QAM	3	0	21.09	21.12	21.21				
1.4	64QAM	3	1	21.07	21.13	21.16				
1.4	64QAM	3	3	21.08	21.15	21.24				
1.4	64QAM	6	0	20.11	20.17	20.24	21.5	3		

Band 26_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Med Ch / Freqs	Power High Ch / Freqs	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)				26765	26865	26965				
				819	831.5	844				
15	QPSK	1	0	23.72	23.77	23.72				
15	QPSK	1	37	23.69	23.68	23.64	25	0		
15	QPSK	1	74	23.71	23.71	23.60				
15	QPSK	36	0	22.65	22.70	22.65				
15	QPSK	36	20	22.63	22.58	22.58	24	1		
15	QPSK	36	39	22.65	22.61	22.54				
15	QPSK	75	0	22.67	22.68	22.62				
15	16QAM	1	0	22.91	22.96	22.91				
15	16QAM	1	37	22.90	22.96	22.79	24	1		
15	16QAM	1	74	22.90	22.84	22.83				
15	16QAM	36	0	21.84	21.61	21.62				
15	16QAM	36	20	21.59	21.61	21.59	23	2		
15	16QAM	36	39	21.66	21.64	21.65				
15	16QAM	75	0	21.65	21.65	21.63				
15	64QAM	1	0	21.70	21.65	21.68				
15	64QAM	1	37	21.73	21.83	21.79	23	2		
15	64QAM	1	74	21.78	21.64	21.66				
15	64QAM	36	0	20.65	20.63	20.67				
15	64QAM	36	20	20.61	20.65	20.62	22	3		
15	64QAM	36	39	20.69	20.65	20.56				
15	64QAM	75	0	20.67	20.65	20.60				
Channel										
Frequency (MHz)				26740	26865	26960	Turn-up (dB)	MPR (dB)		
				819	831.5	844				
10	QPSK	1	0	23.66	23.73	23.58				
10	QPSK	1	25	23.68	23.58	23.60	25	0		
10	QPSK	1	49	23.69	23.64	23.46				
10	QPSK	25	0	22.56	22.54	22.59				
10	QPSK	25	12	22.58	22.49	22.47				
10	QPSK	25	25	22.53	22.51	22.51	24	1		
10	16QAM	1	0	22.79	22.88	22.77				
10	16QAM	1	25	22.80	22.60	22.60	24	1		
10	16QAM	1	49	22.80	22.73	22.72				
10	16QAM	25	0	21.80	21.48	21.81				
10	16QAM	25	12	21.56	21.58	21.47				
10	16QAM	25	25	21.52	21.60	21.41	23	2		
10	64QAM	1	0	21.87	21.60	21.80				
10	64QAM	1	0	21.63	21.90	21.84				
10	64QAM	1	25	21.65	21.71	21.72	23	2		
10	64QAM	1	49	21.74	21.58	21.64				
10	64QAM	25	0	20.51	20.57	20.64				
10	64QAM	25	12	20.53	20.54	20.51	22	3		
10	64QAM	25	25	20.52	20.59	20.55				
10	64QAM	75	0	20.59	20.54	20.47				
Channel										
Frequency (MHz)				26715	26865	27015	Turn-up (dB)	MPR (dB)		
				816.5	831.5	846.5				
5	QPSK	1	0	23.71	23.73	23.69				
5	QPSK	1	24	23.68	23.68	23.60	25	0		
5	QPSK	1	24	23.59	23.68	23.54				
5	QPSK	12	0	22.65	22.68	22.57				
5	QPSK	12	7	22.62	22.48	22.47	24	1		
5	QPSK	12	13	22.56	22.57	22.41				
5	QPSK	25	0	22.63	22.62	22.49				
5	16QAM	1	0	22.82	22.81					
5	16QAM	1	12	22.81	22.86	22.77	24	1		
5	16QAM	1	24	22.79	22.77	22.76				
5	16QAM	12	0	21.61	21.48	21.58				
5	16QAM	12	7	21.48	21.50	21.52	23	2		
5	16QAM	12	13	21.60	21.52	21.53				
5	16QAM	25	0	21.54	21.55	21.57				
5	64QAM	1	0	21.57	21.65	21.80				
5	64QAM	1	12	21.71	21.78	21.65	23	2		
5	64QAM	1	24	21.82	21.62	21.60				
5	64QAM	12	0	20.54	20.58	20.59				
5	64QAM	12	7	20.58	20.64	20.52	22	3		
5	64QAM	12	13	20.52	20.58	20.47				
5	64QAM	25	0	20.66	20.57	20.51				
Channel										
Frequency (MHz)				26705	26865	27025	Turn-up (dB)	MPR (dB)		
				815.5	831.5	847.5				
3	QPSK	1	0	23.71	23.66	23.71				
3	QPSK	1	8	23.69	23.65	23.51	25	0		
3	QPSK	1	14	23.62	23.64	23.49				
3	QPSK	8	0	22.65	22.62	22.52				
3	QPSK	8	7	22.63	22.45	22.50	24	1		
3	QPSK	8	7	22.64	22.46	22.46				
3	16QAM	1	0	22.60	22.53	22.60				
3	16QAM	1	8	22.88	22.84	22.86				
3	16QAM	1	8	22.75	22.82	22.72	24	1		
3	16QAM	1	14	22.86	22.82	22.80				
3	16QAM	8	0	21.53	21.56	21.61				
3	16QAM	8	4	21.53	21.52	21.57	23	2		
3	16QAM	8	7	21.60	21.62	21.44				
3	16QAM	15	0	21.59	21.52	21.59				
3	64QAM	1	0	21.57	21.51	21.76				
3	64QAM	1	8	21.60	21.78	21.65	23	2		
3	64QAM	1	14	21.71	21.50	21.65				
3	64QAM	8	0	20.52	20.57	20.52				
3	64QAM	8	4	20.52	20.50	20.48	22	3		
3	64QAM	8	7	20.52	20.64	20.54				
3	64QAM	15	0	20.55	20.56	20.51				
Channel										
Frequency (MHz)				26697	26865	27033	Turn-up (dB)	MPR (dB)		
				814.7	831.5	848.3				
1.4	QPSK	1	0	23.64	23.68	23.62				
1.4	QPSK	1	3	23.58	23.56	23.56				
1.4	QPSK	1	5	23.60	23.63	23.50	25	0		
1.4	QPSK	3	1	23.61	23.68	23.64				
1.4	QPSK	3	1	23.52	23.58	23.56				
1.4	QPSK	6	0	22.59	22.63	22.50	24	1		
1.4	QPSK	6	0	22.60	22.56	22.54				
1.4	16QAM	1	0	22.81	22.86	22.84				
1.4	16QAM	1	3	22.82	22.79	22.75	24	1		
1.4	16QAM	1	5	22.81	22.77	22.73				
1.4	16QAM	3	0	22.61	22.60	22.58				
1.4	16QAM	3	1	22.54	22.50	22.47				
1.4	16QAM	3	1	22.54	22.51	22.43	23	2		
1.4	16QAM	6	0	21.58	21.59	21.58				
1.4	64QAM	1	0	21.69	21.67	21.76				
1.4	64QAM	1	3	21.63	21.74	21.68				
1.4	64QAM	1	5	21.66	21.56	21.55	23	2		
1.4	64QAM	3	0	21.56	21.52	21.54				
1.4	64QAM	3	1	21.47	21.59	21.52				
1.4	64QAM	3	3	21.59	21.52	21.45				
1.4	64QAM	6	0	20.56	20.57	20.53	22	3		

Band 66_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MFR (dB)		
Channel				132072	132522	132672				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	18.23	18.27	18.30	20	0		
20	QPSK	1	49	18.19	18.24	18.17				
20	QPSK	1	99	18.14	18.19	18.16				
20	QPSK	50	0	18.19	18.20	18.15	20	0		
20	QPSK	50	24	18.16	18.15	18.13				
20	QPSK	50	50	18.12	18.14	18.15				
20	QPSK	100	0	18.15	18.22	18.18	20	0		
20	16QAM	1	0	18.20	18.18	18.17				
20	16QAM	1	49	18.15	18.14	18.16				
20	16QAM	1	99	18.06	18.13	18.13	20	0		
20	16QAM	50	0	18.14	18.14	18.12				
20	16QAM	50	24	18.12	18.11	18.08				
20	16QAM	50	50	18.05	18.13	18.09	20	0		
20	16QAM	100	0	18.12	18.20	18.09				
20	84QAM	1	0	18.17	18.21	18.18				
20	84QAM	1	49	18.10	18.16	18.13	20	0		
20	84QAM	1	99	18.07	18.18	18.10				
20	84QAM	50	0	18.11	18.15	18.13				
20	84QAM	50	24	18.09	18.07	18.12	20	0		
20	84QAM	50	50	18.11	18.06	18.10				
20	84QAM	100	0	18.10	18.13	18.12				
Channel				132047	132522	132657				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	18.17	18.24	18.17	20	0		
15	QPSK	1	37	18.10	18.17	18.12				
15	QPSK	1	74	18.04	18.10	18.13				
15	QPSK	36	0	18.18	18.14	18.08	20	0		
15	QPSK	36	20	18.14	18.11	18.12				
15	QPSK	36	39	18.04	18.10	18.10				
15	QPSK	75	0	18.09	18.18	18.14	20	0		
15	16QAM	1	0	18.11	18.09	18.11				
15	16QAM	1	37	18.07	18.09	18.11				
15	16QAM	1	74	18.01	18.10	18.05	20	0		
15	16QAM	36	0	18.12	18.05	18.03				
15	16QAM	36	20	18.04	18.03	18.08				
15	16QAM	36	39	18.09	18.03	18.00	20	0		
15	16QAM	75	0	18.05	18.11	18.06				
15	84QAM	1	0	18.16	18.20	18.13				
15	84QAM	1	37	18.05	18.05	18.08	20	0		
15	84QAM	1	74	18.05	18.12	18.09				
15	84QAM	36	0	18.08	18.18	18.06				
15	84QAM	36	20	18.04	18.03	18.08	20	0		
15	84QAM	36	39	18.09	18.03	18.00				
15	84QAM	75	0	18.05	18.05	18.07				
Channel				132022	132522	132622				
Frequency (MHz)				1712.5	1745	1772.5				
10	QPSK	1	0	18.22	18.23	18.18	20	0		
10	QPSK	1	25	18.16	18.23	18.09				
10	QPSK	1	49	18.11	18.13	18.09				
10	QPSK	25	0	18.09	18.10	18.13	20	0		
10	QPSK	25	12	18.08	18.09	18.06				
10	QPSK	25	25	18.04	18.10	18.14				
10	QPSK	50	0	18.05	18.14	18.08	20	0		
10	16QAM	1	0	18.14	18.13	18.16				
10	16QAM	1	25	18.13	18.07	18.12				
10	16QAM	1	49	18.01	18.07	18.03	20	0		
10	16QAM	25	0	18.10	18.06	18.05				
10	16QAM	25	12	18.11	18.08	18.04				
10	16QAM	25	25	18.01	18.07	18.04	20	0		
10	16QAM	50	0	18.09	18.10	18.05				
10	84QAM	1	0	18.15	18.14	18.14				
10	84QAM	1	25	18.03	18.08	18.06	20	0		
10	84QAM	1	49	18.06	18.15	18.06				
10	84QAM	25	0	18.05	18.09	18.12				
10	84QAM	25	12	18.03	18.02	18.11	20	0		
10	84QAM	25	25	18.06	18.05	18.03				
10	84QAM	50	0	18.01	18.06	18.06				
Channel				131997	132522	132647				
Frequency (MHz)				1712.5	1745	1777.5 <th></th> <th></th> <th colspan="2"></th>				
5	QPSK	1	0	18.21	18.25	18.13	20	0		
5	QPSK	1	12	18.17	18.20	18.14				
5	QPSK	1	24	18.06	18.13	18.11				
5	QPSK	12	0	18.09	18.17	18.14	20	0		
5	QPSK	12	7	18.14	18.06	18.07				
5	QPSK	12	13	18.05	18.10	18.08				
5	QPSK	25	0	18.09	18.17	18.12	20	0		
5	16QAM	1	0	18.14	18.10	18.15				
5	16QAM	1	12	18.14	18.07	18.11				
5	16QAM	1	24	18.02	18.07	18.10	20	0		
5	16QAM	12	0	18.09	18.12	18.08				
5	16QAM	12	7	18.10	18.04	18.01				
5	16QAM	12	13	18.01	18.07	18.07	20	0		
5	16QAM	25	0	18.04	18.14	18.07				
5	84QAM	1	0	18.10	18.12	18.17	20	0		
5	84QAM	1	12	18.00	18.13	18.09				
5	84QAM	1	24	18.03	18.16	18.02				
5	84QAM	12	0	18.06	18.12	18.09	20	0		
5	84QAM	12	7	18.05	18.09	18.02				
5	84QAM	12	13	18.06	18.05	18.01				
5	84QAM	25	0	18.02	18.09	18.07				
Channel				131967	132522	132657				
Frequency (MHz)				1711.5	1745	1776.5				
3	QPSK	1	0	18.21	18.20	18.19	20	0		
3	QPSK	1	8	18.16	18.18	18.16				
3	QPSK	1	14	18.10	18.18	18.09				
3	QPSK	8	0	18.13	18.16	18.13	20	0		
3	QPSK	8	4	18.12	18.12	18.07				
3	QPSK	8	7	18.02	18.09	18.10				
3	QPSK	15	0	18.11	18.13	18.09	20	0		
3	16QAM	1	0	18.19	18.15	18.08				
3	16QAM	1	8	18.13	18.12	18.10				
3	16QAM	1	14	18.02	18.12	18.05	20	0		
3	16QAM	8	0	18.07	18.07	18.11				
3	16QAM	8	4	18.06	18.04	18.05				
3	16QAM	8	7	18.00	18.12	18.02	20	0		
3	16QAM	15	0	18.10	18.12	18.07				
3	84QAM	1	0	18.11	18.18	18.11				
3	84QAM	1	8	18.05	18.15	18.04	20	0		
3	84QAM	1	14	18.02	18.17	18.04				
3	84QAM	8	0	18.10	18.15	18.07				
3	84QAM	8	4	18.04	18.02	18.07	20	0		
3	84QAM	8	7	18.06	18.03	18.09				
3	84QAM	15	0	18.00	18.03	18.07				
Channel				131979	132522	132665				
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	18.20	18.19	18.18	20	0		
1.4	QPSK	1	3	18.10	18.20	18.16				
1.4	QPSK	1	5	18.05	18.17	18.13				
1.4	QPSK	1	7	18.15	18.16	18.13	20	0		
1.4	QPSK	3	0	18.12	18.14	18.09				
1.4	QPSK	3	1	18.14	18.08	18.10				
1.4	QPSK	3	3	18.05	18.10	18.08	20	0		
1.4	QPSK	6	0	18.12	18.17	18.15				
1.4	16QAM	1	0	18.19	18.11	18.14				
1.4	16QAM	3	0	18.15	18.10	18.14	20	0		
1.4	16QAM	1	5	18.02	18.12	18.09				
1.4	16QAM	3	0	18.12	18.12	18.02				
1.4	16QAM	3	1	18.02	18.09	18.05	20	0		
1.4	16QAM	6	0	18.09	18.14	18.08				
1.4	84QAM	1	0	18.16	18.12	18.17				
1.4	84QAM	1	3	18.07	18.10	18.11	20	0		
1.4	84QAM	1	5	18.04	18.08	18.07				
1.4	84QAM	3	0	18.04	18.17	18.05				
1.4	84QAM	3	1	18.03	18.07	18.06	20	0		
1.4	84QAM	3	3	18.01	18.03	18.02				
1.4	84QAM	6	0	18.00	18.03	18.08				

Band 38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.50	23.43	23.39	24	0	
20	QPSK	1	49	23.45	23.38	23.30			
20	QPSK	1	99	23.40	23.20	23.11			
20	QPSK	50	0	22.64	22.53	22.45	23	1	
20	QPSK	50	24	22.55	22.45	22.39			
20	QPSK	50	50	22.52	22.36	22.25			
20	QPSK	100	0	22.51	22.42	22.32	23	1	
20	16QAM	1	0	22.65	22.73	22.51			
20	16QAM	1	49	22.74	22.70	22.54			
20	16QAM	1	99	22.68	22.47	22.34	22	2	
20	16QAM	50	0	21.54	21.56	21.50			
20	16QAM	50	24	21.57	21.46	21.40			
20	16QAM	50	50	21.56	21.37	21.31	22	2	
20	16QAM	100	0	21.52	21.45	21.34			
20	64QAM	1	0	21.51	21.59	21.46			
20	64QAM	1	49	21.60	21.54	21.39	22	2	
20	64QAM	1	99	21.51	21.32	21.20			
20	64QAM	50	0	20.52	20.53	20.43			
20	64QAM	50	24	20.52	20.46	20.37	21	3	
20	64QAM	50	50	20.52	20.36	20.26			
20	64QAM	100	0	20.50	20.47	20.32			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.37	23.36	23.37			
15	QPSK	1	37	23.41	23.36	23.22	24	0	
15	QPSK	1	74	23.31	23.15	22.96			
15	QPSK	36	0	22.53	22.52	22.40			
15	QPSK	36	20	22.52	22.36	22.31	23	1	
15	QPSK	36	39	22.48	22.23	22.22			
15	QPSK	75	0	22.44	22.30	22.31			
15	16QAM	1	0	22.53	22.60	22.38	23	1	
15	16QAM	1	37	22.69	22.64	22.44			
15	16QAM	1	74	22.55	22.44	22.22			
15	16QAM	36	0	21.52	21.49	21.37	22	2	
15	16QAM	36	20	21.53	21.35	21.39			
15	16QAM	36	39	21.53	21.34	21.16			
15	16QAM	75	0	21.49	21.37	21.33	22	2	
15	64QAM	1	0	21.36	21.45	21.42			
15	64QAM	1	37	21.50	21.49	21.31			
15	64QAM	1	74	21.47	21.26	21.11	21	3	
15	64QAM	36	0	20.45	20.48	20.32			
15	64QAM	36	20	20.41	20.38	20.34			
15	64QAM	36	39	20.39	20.30	20.11	21	3	
15	64QAM	75	0	20.45	20.43	20.20			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.41	23.40	23.28			
10	QPSK	1	25	23.33	23.29	23.16	24	0	
10	QPSK	1	49	23.26	23.07	23.05			
10	QPSK	25	0	22.63	22.48	22.38			
10	QPSK	25	12	22.50	22.34	22.35	23	1	
10	QPSK	25	25	22.38	22.26	22.13			
10	QPSK	50	0	22.46	22.32	22.30			
10	16QAM	1	0	22.64	22.59	22.48	23	1	
10	16QAM	1	25	22.62	22.55	22.48			
10	16QAM	1	49	22.54	22.38	22.22			
10	16QAM	25	0	21.46	21.55	21.49	22	2	
10	16QAM	25	12	21.50	21.33	21.31			
10	16QAM	25	25	21.54	21.34	21.28			
10	16QAM	50	0	21.48	21.40	21.33	22	2	
10	64QAM	1	0	21.45	21.46	21.32			
10	64QAM	1	25	21.56	21.43	21.36			
10	64QAM	1	49	21.45	21.26	21.10	21	3	
10	64QAM	25	0	20.41	20.49	20.36			
10	64QAM	25	12	20.38	20.39	20.32			
10	64QAM	25	25	20.44	20.28	20.13	21	3	
10	64QAM	50	0	20.42	20.41	20.23			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.35	23.42	23.30			
5	QPSK	1	12	23.34	23.23	23.26	24	0	
5	QPSK	1	24	23.32	23.08	23.00			
5	QPSK	12	0	22.62	22.51	22.39			
5	QPSK	12	7	22.42	22.32	22.38	23	1	
5	QPSK	12	13	22.47	22.35	22.20			
5	QPSK	25	0	22.41	22.32	22.23			
5	16QAM	1	0	22.60	22.59	22.39	23	1	
5	16QAM	1	12	22.70	22.65	22.49			
5	16QAM	1	24	22.56	22.41	22.23			
5	16QAM	12	0	21.43	21.44	21.46	22	2	
5	16QAM	12	7	21.53	21.38	21.30			
5	16QAM	12	13	21.49	21.32	21.28			
5	16QAM	25	0	21.51	21.43	21.29	22	2	
5	64QAM	1	0	21.45	21.56	21.38			
5	64QAM	1	12	21.59	21.45	21.36			
5	64QAM	1	24	21.43	21.25	21.17	22	2	
5	64QAM	12	0	20.41	20.44	20.40			
5	64QAM	12	7	20.40	20.35	20.31			
5	64QAM	12	13	20.44	20.26	20.14	21	3	
5	64QAM	25	0	20.35	20.41	20.27			

Band 41_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.47	24.30	23.66	23.03	23.14	25	0
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13		
20	QPSK	1	99	24.76	24.38	23.68	23.06	23.16		
20	QPSK	50	0	23.69	23.51	22.86	22.24	22.16	24	1
20	QPSK	50	24	23.75	23.59	22.73	22.23	22.17		
20	QPSK	50	50	23.82	23.67	22.91	22.28	22.23		
20	QPSK	100	0	23.79	23.53	22.75	22.18	22.18	24	1
20	16QAM	1	0	23.75	23.75	23.05	22.32	22.38		
20	16QAM	1	49	23.87	23.70	22.95	22.36	22.37		
20	16QAM	1	99	23.86	23.60	22.80	22.19	22.24	23	2
20	16QAM	50	0	22.70	22.66	21.89	21.23	21.28		
20	16QAM	50	24	22.82	22.61	21.80	21.20	21.26		
20	16QAM	50	50	22.86	22.60	21.71	21.21	21.16	23	2
20	16QAM	100	0	22.79	22.56	21.78	21.21	21.19		
20	64QAM	1	0	22.61	22.58	21.88	21.19	21.24		
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24	22	3
20	64QAM	1	99	22.82	22.42	21.64	21.05	21.15		
20	64QAM	50	0	21.68	21.60	20.85	20.24	20.22		
20	64QAM	50	24	21.78	21.59	20.79	20.19	20.24	22	3
20	64QAM	50	50	21.82	21.57	20.68	20.16	20.13		
20	64QAM	100	0	21.80	21.55	20.77	20.17	20.18		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.34	24.18	23.64	23.14	23.05	25	0
15	QPSK	1	37	24.62	24.24	23.48	23.20	23.08		
15	QPSK	1	74	24.65	24.24	23.64	23.16	23.15		
15	QPSK	36	0	23.68	23.44	22.74	22.30	22.01	24	1
15	QPSK	36	20	23.72	23.54	22.61	22.42	22.04		
15	QPSK	36	39	23.72	23.58	22.81	22.40	22.13		
15	QPSK	75	0	23.72	23.45	22.67	22.32	22.11	24	1
15	16QAM	1	0	23.69	23.73	23.00	22.45	22.34		
15	16QAM	1	37	23.62	23.58	22.83	22.55	22.30		
15	16QAM	1	74	23.82	23.50	22.70	22.29	22.14	23	2
15	16QAM	36	0	22.55	22.56	21.83	21.34	21.25		
15	16QAM	36	20	22.74	22.56	21.70	21.27	21.20		
15	16QAM	36	39	22.80	22.45	21.66	21.32	21.01	23	2
15	16QAM	75	0	22.75	22.47	21.73	21.29	21.07		
15	64QAM	1	0	22.60	22.57	21.78	21.37	21.14		
15	64QAM	1	37	22.68	22.50	21.66	21.31	21.17	22	3
15	64QAM	1	74	22.69	22.31	21.54	21.24	21.09		
15	64QAM	36	0	21.67	21.52	20.81	20.37	20.15		
15	64QAM	36	20	21.65	21.47	20.64	20.34	20.16	22	3
15	64QAM	36	39	21.75	21.46	20.53	20.35	20.03		
15	64QAM	75	0	21.69	21.54	20.72	20.22	20.13		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.40	24.27	23.58	23.20	23.04	25	0
10	QPSK	1	25	24.59	24.14	23.49	23.13	23.02		
10	QPSK	1	49	24.74	24.27	23.56	23.16	23.02		
10	QPSK	25	0	23.54	23.47	22.73	22.43	22.13	24	1
10	QPSK	25	12	23.71	23.48	22.66	22.32	22.16		
10	QPSK	25	25	23.68	23.63	22.90	22.40	22.17		
10	QPSK	50	0	23.71	23.38	22.72	22.28	22.06	24	1
10	16QAM	1	0	23.70	23.74	22.92	22.43	22.29		
10	16QAM	1	25	23.75	23.55	22.91	22.49	22.33		
10	16QAM	1	49	23.76	23.57	22.75	22.28	22.12	23	2
10	16QAM	25	0	22.67	22.53	21.74	21.28	21.22		
10	16QAM	25	12	22.73	22.54	21.70	21.38	21.24		
10	16QAM	25	25	22.78	22.55	21.70	21.33	21.11	23	2
10	16QAM	50	0	22.65	22.52	21.75	21.26	21.11		
10	64QAM	1	0	22.49	22.49	21.83	21.36	21.14		
10	64QAM	1	25	22.72	22.57	21.67	21.35	21.14	22	3
10	64QAM	1	49	22.72	22.28	21.57	21.19	21.13		
10	64QAM	25	0	21.62	21.48	20.84	20.37	20.18		
10	64QAM	25	12	21.73	21.50	20.77	20.34	20.12	22	3
10	64QAM	25	25	21.74	21.54	20.82	20.34	20.05		
10	64QAM	50	0	21.76	21.45	20.68	20.35	20.12		
Channel				39675	40148	40620	41066.2	41567.2		
Frequency (MHz)				2498.5	2545.8	2593	2640.60	2687.7		
5	QPSK	1	0	24.44	24.26	23.55	23.15	23.11	25	0
5	QPSK	1	12	24.58	24.16	23.57	23.22	23.07		
5	QPSK	1	24	24.67	24.30	23.54	23.25	23.12		
5	QPSK	12	0	23.66	23.45	22.84	22.30	22.01	24	1
5	QPSK	12	7	23.70	23.51	22.63	22.42	22.02		
5	QPSK	12	13	23.76	23.53	22.77	22.44	22.20		
5	QPSK	25	0	23.76	23.48	22.63	22.31	22.17	24	1
5	16QAM	1	0	23.60	23.65	22.98	22.44	22.34		
5	16QAM	1	12	23.85	23.64	22.85	22.51	22.30		
5	16QAM	1	24	23.71	23.45	22.78	22.27	22.16	23	2
5	16QAM	12	0	22.61	22.56	21.87	21.39	21.14		
5	16QAM	12	7	22.72	22.51	21.79	21.39	21.24		
5	16QAM	12	13	22.71	22.59	21.60	21.26	21.01	23	2
5	16QAM	25	0	22.73	22.55	21.73	21.31	21.16		
5	64QAM	1	0	22.46	22.54	21.84	21.37	21.22		
5	64QAM	1	12	22.67	22.53	21.63	21.33	21.09	23	2
5	64QAM	1	24	22.69	22.31	21.56	21.13	21.14		
5	64QAM	12	0	21.53	21.55	20.84	20.36	20.14		
5	64QAM	12	7	21.71	21.47	20.77	20.27	20.16	22	3
5	64QAM	12	13	21.75	21.55	20.57	20.35	20.02		
5	64QAM	25	0	21.65	21.45	20.64	20.29	20.13		



n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167300	Power High Ch. 1 Freq. 167800	
Channel				834	836.5	839	
Frequency (MHz)				23.09	23.07	23.13	
20	QPSK	1	1	23.09	23.07	23.13	24.7
20	QPSK	1	53	23.26	23.35	23.52	0.0
20	QPSK	1	104	23.06	23.07	23.03	
20	QPSK	50	0	22.18	22.22	22.20	23.7
20	QPSK	50	28	23.21	23.25	23.22	24.7
20	QPSK	50	56	22.16	22.12	22.10	23.7
20	QPSK	100	0	22.15	22.16	22.15	23.7
20	16QAM	1	1	21.78	21.84	21.70	23.7
20	64QAM	1	1	20.41	20.46	20.35	22.2
20	256QAM	1	1	19.07	19.21	19.12	20.2
Channel				165300	167300	169300	
Frequency (MHz)				23.04	22.98	23.08	24.7
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				229.5	228.5	228.5	24.7
10	QPSK	1	1	22.95	23.00	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				229.5	229.8	23.08	24.7
5	QPSK	1	1	22.96	22.98	23.08	24.7

Full&Default Power Mode							
n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167300	Power High Ch. 1 Freq. 167800	
Channel				834	836.5	839	
Frequency (MHz)				23.07	23.08	23.70	
20	QPSK	1	1	23.07	23.08	23.70	24.7
20	QPSK	1	53	23.31	23.31	23.77	0.0
20	QPSK	1	104	23.62	23.63	23.57	
20	QPSK	50	0	22.74	22.76	22.73	23.7
20	QPSK	50	28	23.73	23.79	23.76	24.7
20	QPSK	50	56	22.72	22.71	22.68	23.7
20	QPSK	100	0	22.74	22.75	22.73	23.7
20	16QAM	1	1	22.28	22.41	22.26	23.7
20	64QAM	1	1	20.86	20.94	20.84	22.2
20	256QAM	1	1	19.54	19.76	19.66	20.2
Channel				165300	167300	169300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.54	23.61	23.64	24.7
Channel				165300	167300	169300	
Frequency (MHz)				839	836.5	844	
10	QPSK	1	1	23.62	23.62	23.62	24.7
Channel				165300	167300	169300	
Frequency (MHz)				23.52	23.57	23.58	24.7
5	QPSK	1	1	23.52	23.57	23.58	24.7

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	
Channel				2525	2535	2545	
Frequency (MHz)				22.78	23.04	23.12	
50	QPSK	1	1	22.78	23.04	23.12	23.7
50	QPSK	1	135	23.31	23.33	23.35	0.0
50	QPSK	1	268	23.21	23.25	23.22	
50	QPSK	135	0	21.94	22.21	22.25	22.7
50	QPSK	135	68	23.30	23.32	23.33	23.7
50	QPSK	135	135	22.20	22.21	22.30	22.7
50	QPSK	270	0	22.08	22.23	22.21	22.7
50	16QAM	1	1	21.64	21.76	21.60	22.7
50	64QAM	1	1	20.23	20.32	20.17	21.2
50	256QAM	1	1	18.92	18.97	18.82	19.2
Channel				505000	507000	509000	
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	22.81	23.07	23.15	23.7
Channel				505000	507000	511000	
Frequency (MHz)				2535	2535	2555	
30	QPSK	1	1	22.78	23.03	23.08	23.7
Channel				505000	507000	511500	
Frequency (MHz)				23.22.5	23.35	23.7.5	
25	QPSK	1	1	22.78	23.07	23.09	23.7
Channel				505000	507000	512000	
Frequency (MHz)				2530	2535	2560	
20	QPSK	1	1	22.82	23.08	23.13	23.7
Channel				505000	507000	512500	
Frequency (MHz)				2567.5	2535	2562.5	
15	QPSK	1	1	22.77	23.09	23.13	23.7
Channel				507000	507000	513000	
Frequency (MHz)				2566	2535	2565	
10	QPSK	1	1	22.77	22.99	23.14	23.7
Channel				505000	507000	513500	
Frequency (MHz)				2562.5	2535	2567.5	
5	QPSK	1	1	22.78	23.02	23.12	23.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505000	Power Middle Ch. 2 Freq. 507000	Power High Ch. 3 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				23.33	23.26	23.11			
50	QPSK	1	1	23.33	23.26	23.11			
50	QPSK	1	135	23.34	23.37	23.12	24.7	0.0	
50	QPSK	1	268	22.93	22.82	22.73			
50	QPSK	135	0	22.32	22.41	22.29	23.7	1.0	
50	QPSK	135	68	23.21	23.25	23.16	24.7	0.0	
50	QPSK	135	135	22.14	22.12	21.83	23.7	1.0	
50	QPSK	270	0	22.11	22.19	22.02			
50	16QAM	1	1	21.93	22.02	21.80	23.7	1.0	
50	64QAM	1	1	20.43	20.53	20.38	22.2	2.5	
50	256QAM	1	1	18.10	19.20	19.07	20.2	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.19	23.10	23.03	24.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.22	23.18	23.06	24.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	23.23	23.14	23.03	24.7	0.0	
Channel				500000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.21	23.19	23.03	24.7	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.22	23.20	22.96	24.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2565			
10	QPSK	1	1	23.24	23.14	23.04	24.7	0.0	
Channel				500000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.22	23.15	23.05	24.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505000	Power Middle Ch. 2 Freq. 507000	Power High Ch. 3 Freq. 509000	Tune-up limit (dBm)	MPR (dB)	
Channel				2525	2535	2545			
Frequency (MHz)				23.33	23.26	23.11			
50	QPSK	1	1	21.75	21.82	21.93			
50	QPSK	1	135	21.95	22.19	21.98	23.2	0.0	
50	QPSK	1	268	21.81	21.87	21.91			
50	QPSK	135	0	20.98	21.04	20.96	22.2	1.0	
50	QPSK	135	68	22.11	22.15	21.95	23.2	0.0	
50	QPSK	135	135	21.00	20.88	20.84			
50	QPSK	270	0	20.91	20.92	20.90	22.2	1.0	
50	16QAM	1	1	20.54	20.64	20.55	22.2	1.0	
50	64QAM	1	1	19.05	19.19	19.10	20.7	2.5	
50	256QAM	1	1	17.85	17.91	17.79	18.7	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	21.85	21.81	21.82	23.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.83	21.76	21.85	23.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.59	21.77	21.79	23.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.80	21.80	21.80	23.2	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.68	21.87	21.77	23.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504	2535	2565			
10	QPSK	1	1	21.64	21.80	21.83	23.2	0.0	
Channel				500000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.60	21.83	21.85	23.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 346000	Power Middle Ch. 2 Freq. 348000	Power High Ch. 3 Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				23.42	23.35	23.33			
40	QPSK	1	1	23.42	23.35	23.33			
40	QPSK	1	108	23.45	23.50	23.37	24.2	0.0	
40	QPSK	1	214	23.41	23.18	23.15			
40	QPSK	108	0	22.51	22.26	22.46	23.2	1.0	
40	QPSK	108	54	23.44	23.45	23.38	24.2	0.0	
40	QPSK	108	108	22.48	22.29	22.30			
40	QPSK	216	0	22.38	22.44	22.32	23.2	1.0	
40	16QAM	1	1	22.06	22.14	22.09	23.2	1.0	
40	64QAM	1	1	20.68	20.74	20.62	21.7	2.5	
40	256QAM	1	1	19.21	19.30	19.23	19.7	4.5	
Channel				346000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.33	23.23	23.23	24.2	0.0	
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.36	23.21	23.21	24.2	0.0	
Channel				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	1	23.28	23.22	23.20	24.2	0.0	
Channel				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.31	23.28	23.27	24.2	0.0	
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.26	23.28	23.24	24.2	0.0	
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.30	23.23	23.19	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000				
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.61	23.46	23.60	24.7	0.0		
40	QPSK	1	108	23.54	23.75	23.71				
40	QPSK	1	214	23.61	23.64	23.61				
40	QPSK	108	0	22.64	22.54	22.78				
40	QPSK	108	54	23.63	23.68	23.63	23.7	0.0		
40	QPSK	108	108	22.77	22.69	22.78	23.7	1.0		
40	QPSK	216	0	22.58	22.68	22.63	23.7	1.0		
40	16QAM	1	1	22.23	22.29	22.23				
40	64QAM	1	1	20.78	20.85	20.78				
40	256QAM	1	1	18.32	18.43	18.31				
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.53	23.51	23.48	24.7	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.45	23.37	23.53				
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.53	23.37	23.55				
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	23.55	23.32	23.44				

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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000				
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.20	23.21	23.24	24.7	0.0		
40	QPSK	1	108	23.42	23.66	23.58				
40	QPSK	1	214	23.38	23.59	23.56				
40	QPSK	108	0	22.34	22.35	22.63				
40	QPSK	108	54	23.27	23.61	23.54	24.7	1.0		
40	QPSK	108	108	22.38	22.59	22.75				
40	QPSK	216	0	22.43	22.63	22.61				
40	16QAM	1	1	21.92	21.98	21.87				
40	64QAM	1	1	20.42	20.56	20.47	22.2	2.5		
40	256QAM	1	1	18.10	18.17	18.08				
Channel				345000	349000	353000			20.2	4.5
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	23.13	23.12	23.28	24.7	0.0		
Channel				344500	349000	353500				
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	23.15	23.06	23.31				
Channel				344000	349000	354000	24.7	MPR		
Frequency (MHz)				1722	1745	1770				
20	QPSK	1	1	23.13	23.15	23.38				
Channel				343500	349000	354500				
Frequency (MHz)				1717.5	1745	1772.5	24.7	MPR		
15	QPSK	1	1	23.12	23.03	23.34				
Channel				343000	349000	355000				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	23.08	23.09	23.32	24.7	0.0		
Channel				342500	349000	355500				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	23.08	23.07	23.29				



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	23.92	23.94	23.93			
40	QPSK	1	53	23.80	23.78	23.80	24.2	0.0	
40	QPSK	1	104	23.78	23.85	23.86			
40	QPSK	50	0	22.81	22.79	22.78			
40	QPSK	50	28	23.69	23.78	23.71	24.2	0.0	
40	QPSK	50	56	22.70	22.72	22.74			
40	QPSK	100	0	22.76	22.77	22.72	23.2	1.0	
40	16QAM	1	1	22.43	22.57	22.48	23.2	1.0	
40	64QAM	1	1	21.04	21.14	21.09	21.7	2.5	
40	256QAM	1	1	19.39	19.55	19.49	19.7	4.5	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	23.79	23.85	23.79	24.2	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
25	QPSK	1	1	23.76	23.80	23.82	24.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	23.81	23.87	23.80	24.2	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	23.86	23.88	23.83	24.2	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	23.83	23.89	23.81	24.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	23.48	23.54	23.37			
40	QPSK	1	53	23.12	23.04	22.84	24.7		0.0
40	QPSK	1	104	22.84	22.86	22.81			
40	QPSK	50	0	22.38	22.27	22.14			
40	QPSK	50	28	23.05	23.13	22.91	24.7		0.0
40	QPSK	50	56	21.92	21.84	21.79			
40	QPSK	100	0	22.09	22.17	21.98	23.7		1.0
40	16QAM	1	1	22.05	22.18	22.09	23.7		1.0
40	64QAM	1	1	20.67	20.74	20.68	22.2		2.5
40	256QAM	1	1	19.29	19.37	19.23	20.2		4.5
Channel									
Frequency (MHz)				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
				2585	2595	2605			
30	QPSK	1	1	23.41	23.44	23.22	24.7		0.0
Channel									
Frequency (MHz)				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2572.5	2595	2617.5			
25	QPSK	1	1	23.41	23.49	23.28	24.7		0.0
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2560	2595	2610			
20	QPSK	1	1	23.36	23.39	23.32	24.7		0.0
Channel									
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
				2577.5	2595	2612.5			
15	QPSK	1	1	23.44	23.39	23.26	24.7		0.0
Channel									
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2575	2595	2615			
10	QPSK	1	1	23.40	23.40	23.30	24.7		0.0

n38_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)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	22.93	23.05	22.98			
40	QPSK	1	53	22.75	22.88	22.88	24.2	0.0	
40	QPSK	1	104	22.91	23.04	22.96			
40	QPSK	50	0	21.90	21.86	21.83			
40	QPSK	50	28	22.82	22.84	22.83	24.2		0.0
40	QPSK	50	56	21.87	21.87	21.97			
40	QPSK	100	0	21.85	21.86	21.85	23.2	1.0	
40	16QAM	1	1	21.58	21.63	21.47	23.2		1.0
40	64QAM	1	1	20.07	20.18	20.13	21.7	2.5	
40	256QAM	1	1	18.78	18.86	18.75	19.7	4.5	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	22.82	22.95	22.87	24.2	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2572.5	2595	2617.5			
25	QPSK	1	1	22.80	22.96	22.82	24.2		0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	22.84	22.90	22.87	24.2		0.0
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	22.88	22.88	22.84	24.2		0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	22.79	22.91	22.84	24.2		0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	528000	2546.01	2592.99	2640
100	QPSK	1	1	23.49	24.02	23.91			
100	QPSK	1	137	23.93	24.08	23.93	24.2		0.0
100	QPSK	1	271	23.91	23.81	23.67			
100	QPSK	135	0	22.90	22.99	22.97			
100	QPSK	135	69	23.98	23.99	23.95	24.2		0.0
100	QPSK	135	138	23.05	22.85	22.77			
100	QPSK	270	0	22.86	22.87	22.76	23.2		1.0
100	16QAM	1	1	22.51	22.60	22.47	23.2		1.0
100	64QAM	1	1	20.96	21.09	21.04	21.7		2.5
100	256QAM	1	1	19.41	19.56	19.51	19.7		4.5
Channel									
Frequency (MHz)				500200	518598	529999			
90	QPSK	1	1	23.34	23.97	23.75	24.2		0.0
Channel									
Frequency (MHz)				507205	518598	529999			
80	QPSK	1	1	23.44	23.94	23.80	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	531998			
60	QPSK	1	1	23.38	23.88	23.62	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	532998			
50	QPSK	1	1	23.34	23.92	23.82	24.2		0.0
Channel									
Frequency (MHz)				500202	518598	534000			
40	QPSK	1	1	23.42	23.93	23.82	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	534998			
30	QPSK	1	1	23.35	23.93	23.81	24.2		0.0
Channel									
Frequency (MHz)				507204	518598	535998			
20	QPSK	1	1	23.39	23.88	23.75	24.2		0.0
Channel									
Frequency (MHz)				500700	518598	536998			
15	QPSK	1	1	23.41	23.97	23.77	24.2		0.0
Channel									
Frequency (MHz)				500202	518598	537000			
10	QPSK	1	1	23.35	23.94	23.76	24.2		0.0

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	528000	2546.01	2592.99	2640
100	QPSK	1	1	24.41	24.04	23.19			
100	QPSK	1	137	24.14	23.27	22.75	24.7		0.0
100	QPSK	1	271	23.15	22.48	22.05			
100	QPSK	135	0	23.25	22.77	21.91			
100	QPSK	135	69	24.18	23.33	22.62	24.7		0.0
100	QPSK	135	138	22.64	21.85	21.42			
100	QPSK	270	0	22.81	22.25	21.78	23.7		1.0
100	16QAM	1	1	22.64	22.74	22.60	23.7		1.0
100	64QAM	1	1	21.08	21.19	21.12	22.2		2.5
100	256QAM	1	1	19.73	19.89	19.80	20.2		4.5
Channel									
Frequency (MHz)				508200	518598	539800	2642.99	2694.98	2745
90	QPSK	1	1	24.26	23.92	23.09	24.7		0.0
Channel									
Frequency (MHz)				517204	518598	539999	2642.99	2694.98	2745
80	QPSK	1	1	24.25	23.89	23.14	24.7		0.0
Channel									
Frequency (MHz)				500200	518598	531998	2626.00	2679.99	2730
60	QPSK	1	1	24.28	23.89	23.13	24.7		0.0
Channel									
Frequency (MHz)				504204	518598	532998	2642.99	2694.98	2745
50	QPSK	1	1	23.102	22.979	22.649	24.7		0.0
Channel									
Frequency (MHz)				514208	518598	534999	2642.99	2694.98	2745
40	QPSK	1	1	25.616	25.692	25.670	24.7		0.0
Channel									
Frequency (MHz)				514208	518598	534999	2642.99	2694.98	2745
30	QPSK	1	1	24.26	23.94	23.12	24.7		0.0
Channel									
Frequency (MHz)				509200	518598	537798	2642.99	2694.98	2745
30	QPSK	1	1	24.28	23.88	23.07	24.7		0.0
Channel									
Frequency (MHz)				501204	518598	535998	2642.99	2694.98	2745
20	QPSK	1	1	25.612	25.672	25.639	24.7		0.0
Channel									
Frequency (MHz)				514208	518598	534999	2642.99	2694.98	2745
20	QPSK	1	1	24.27	23.93	23.11	24.7		0.0
Channel									
Frequency (MHz)				500700	518598	536998	2642.99	2694.98	2745
15	QPSK	1	1	24.30	23.99	23.12	24.7		0.0
Channel									
Frequency (MHz)				500202	518598	537000	2642.99	2694.98	2745
10	QPSK	1	1	25.611	25.692	25.695	24.7		0.0

FCC_n41_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)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	528000	2546.01	2592.99	2640
100	QPSK	1	1	22.79	22.85	22.89			
100	QPSK	1	137	22.95	23.01	23.32	24.2		0.0
100	QPSK	1	271	22.96	23.25	23.77			
100	QPSK	135	0	21.99	21.95	22.17			
100	QPSK	135	69	23.02	23.06	23.35	24.2		0.0
100	QPSK	135	138	22.01	22.02	22.41			
100	QPSK	270	0	21.90	21.92	22.14	23.2		1.0
100	16QAM	1	1	21.52	21.60	21.45	23.2		1.0
100	64QAM	1	1	19.98	20.11	19.98	21.7		2.5
100	256QAM	1	1	18.68	18.80	18.72	19.7		4.5
Channel									
Frequency (MHz)				500200	518598	539998			MPR
Frequency (MHz)				2641	2692.99	2644.98			
90	QPSK	1	1	22.83	22.74	22.78	24.2		0.0
Channel									
Frequency (MHz)				507204	518598	529999			
Frequency (MHz)				2641	2692.99	2649.99			
80	QPSK	1	1	22.83	22.75	22.84	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	531998			MPR
Frequency (MHz)				2626	2692.99	2659.99			
60	QPSK	1	1	22.72	22.71	22.76	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	532998			MPR
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	22.64	22.74	22.84	24.2		0.0
Channel									
Frequency (MHz)				500202	518598	534000			
Frequency (MHz)				2644.01	2692.99	2670			
40	QPSK	1	1	22.65	22.73	22.75	24.2		0.0
Channel									
Frequency (MHz)				500200	518598	534998			MPR
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.71	22.75	24.2		0.0
Channel									
Frequency (MHz)				507204	518598	535998			MPR
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	22.69	22.69	22.78	24.2		0.0
Channel									
Frequency (MHz)				500700	518598	536998			MPR
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.69	22.75	22.74	24.2		0.0
Channel									
Frequency (MHz)				500202	518598	537000			
Frequency (MHz)				2641.01	2692.99	2685			
10	QPSK	1	1	22.68	22.73	22.80	24.2		0.0



Reduced Power Mode for ECI 1&3

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167300	Power High Ch. 1 Freq. 167800	MPR (dB)
Channel				834	836.5	839	
Frequency (MHz)				23.09	23.07	23.13	
20	QPSK	1	1	23.09	23.07	23.13	24.7
20	QPSK	1	53	23.26	23.35	23.52	0.0
20	QPSK	1	104	23.06	23.07	23.03	
20	QPSK	50	0	22.18	22.22	22.20	23.7
20	QPSK	50	28	23.21	23.25	23.22	24.7
20	QPSK	50	56	22.16	22.12	22.10	23.7
20	QPSK	100	0	22.15	22.16	22.15	23.7
20	16QAM	1	1	21.78	21.84	21.70	23.7
20	64QAM	1	1	20.41	20.46	20.35	22.2
20	256QAM	1	1	19.07	19.21	19.12	20.2
Channel				165300	167300	169300	
Frequency (MHz)				15	QPSK	1	1
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				10	QPSK	1	1
10	QPSK	1	1	22.95	23.00	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				5	QPSK	1	1
5	QPSK	1	1	22.96	22.98	23.08	24.7

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166800	Power Middle Ch. 1 Freq. 167300	Power High Ch. 1 Freq. 167800	MPR (dB)
Channel				834	836.5	839	
Frequency (MHz)				20	QPSK	1	1
20	QPSK	1	1	23.67	23.68	23.70	24.7
20	QPSK	1	53	23.81	23.91	23.77	0.0
20	QPSK	1	104	23.62	23.63	23.57	
20	QPSK	50	0	22.74	22.76	22.73	23.7
20	QPSK	50	28	23.73	23.79	23.76	24.7
20	QPSK	50	56	22.72	22.71	22.68	23.7
20	QPSK	100	0	22.74	22.75	22.73	23.7
20	16QAM	1	1	22.28	22.41	22.26	23.7
20	64QAM	1	1	20.86	20.94	20.84	22.2
20	256QAM	1	1	19.54	19.76	19.66	20.2
Channel				165300	167300	169300	
Frequency (MHz)				15	QPSK	1	1
15	QPSK	1	1	23.54	23.61	23.64	24.7
Channel				165300	167300	169300	
Frequency (MHz)				10	QPSK	1	1
10	QPSK	1	1	23.62	23.62	23.62	24.7
Channel				165300	167300	169300	
Frequency (MHz)				5	QPSK	1	1
5	QPSK	1	1	23.52	23.57	23.58	24.7

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505000	Power Middle Ch. 1 Freq. 507000	Power High Ch. 1 Freq. 509000	MPR (dB)
Channel				2525	2535	2545	
Frequency (MHz)				50	QPSK	1	1
50	QPSK	1	1	18.15	18.23	18.13	18.7
50	QPSK	1	135	18.46	18.47	18.39	0.0
50	QPSK	1	268	18.35	18.31	18.32	0.0
50	QPSK	135	0	18.15	18.17	18.12	18.7
50	QPSK	135	68	18.37	18.39	18.38	18.7
50	QPSK	135	135	18.15	18.36	18.12	18.7
50	QPSK	270	0	18.24	18.26	18.19	18.7
50	16QAM	1	1	18.15	18.26	18.06	18.7
50	64QAM	1	1	18.16	18.22	18.13	18.7
50	256QAM	1	1	18.08	18.32	18.21	18.7
Channel				505000	507000	509000	
Frequency (MHz)				40	QPSK	1	1
40	QPSK	1	1	18.32	18.35	18.19	18.7
Channel				505000	507000	511000	
Frequency (MHz)				30	QPSK	1	1
30	QPSK	1	1	18.32	18.35	18.18	18.7
Channel				505000	507000	511500	
Frequency (MHz)				25	QPSK	1	1
25	QPSK	1	1	18.22	18.33	18.21	18.7
Channel				505000	507000	512000	
Frequency (MHz)				20	QPSK	1	1
20	QPSK	1	1	18.30	18.38	18.21	18.7
Channel				505000	507000	512500	
Frequency (MHz)				15	QPSK	1	1
15	QPSK	1	1	18.24	18.41	18.27	18.7
Channel				505000	507000	513000	
Frequency (MHz)				10	QPSK	1	1
10	QPSK	1	1	18.27	18.39	18.25	18.7
Channel				505000	507000	513500	
Frequency (MHz)				5	QPSK	1	1
5	QPSK	1	1	18.28	18.37	18.20	18.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low CA / Freq. 505000	Power Middle CA / Freq. 507000	Power High CA / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545		
Frequency (MHz)				19.76	19.70	19.47		
50	QPSK	1	1	19.76	19.70	19.47	20.95	0.0
50	QPSK	1	1.5	19.77	19.73	19.49		
50	QPSK	1	208	19.67	19.58	19.41		
50	QPSK	135	0	19.27	19.35	19.39	20.95	0.0
50	QPSK	135	08	19.62	19.65	19.24		0.0
50	QPSK	135	135	19.45	19.59	19.44		0.0
50	QPSK	270	0	19.45	19.49	19.44	20.95	0.0
50	16QAM	1	1	19.39	19.59	19.48	20.95	0.0
50	64QAM	1	1	19.44	19.62	19.48	20.95	0.0
50	256QAM	1	1	19.10	19.20	19.07	20.20	0.8
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.49	19.60	19.61	20.95	0.0
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.50	19.66	19.61	20.95	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.59	19.69	19.57	20.95	0.0
Channel				500000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.53	19.60	19.50	20.85	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.50	19.60	19.59	20.95	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.59	19.68	19.63	20.95	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.50	19.60	19.61	20.95	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low CA / Freq. 505000	Power Middle CA / Freq. 507000	Power High CA / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545		
Frequency (MHz)				19.17	19.31	19.32		
50	QPSK	1	1	19.17	19.31	19.32	20.45	0.0
50	QPSK	1	1.5	19.40	19.50	19.38		
50	QPSK	1	208	19.17	19.24	19.35		
50	QPSK	135	0	19.15	19.31	19.20	20.45	0.0
50	QPSK	135	08	19.63	19.58	19.36		0.0
50	QPSK	135	135	19.24	19.23	19.13		0.0
50	QPSK	270	0	19.16	19.32	19.21	20.45	0.0
50	16QAM	1	1	19.13	19.32	19.10	20.45	0.0
50	64QAM	1	1	19.82	19.14	19.02	20.45	0.0
50	256QAM	1	1	17.70	17.80	17.68	18.70	1.8
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.25	19.36	19.31	20.45	0.0
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.32	19.38	19.34	20.45	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.32	19.38	19.27	20.45	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.24	19.29	19.33	20.45	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.30	19.37	19.27	20.45	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.25	19.44	19.27	20.45	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.20	19.35	19.34	20.45	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low CA / Freq. 346000	Power Middle CA / Freq. 348000	Power High CA / Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760		
Frequency (MHz)				23.42	23.35	23.33		
40	QPSK	1	1	23.42	23.35	23.33	24.2	0.0
40	QPSK	1	108	23.45	23.50	23.37		
40	QPSK	1	214	23.41	23.18	23.15		
40	QPSK	108	0	22.51	22.26	22.46	23.2	1.0
40	QPSK	108	54	23.44	23.45	23.38		0.0
40	QPSK	108	108	22.48	22.39	22.30		
40	QPSK	216	0	22.38	22.44	22.32	23.2	1.0
40	16QAM	1	1	22.06	22.14	22.09	23.2	1.0
40	64QAM	1	1	20.68	20.74	20.62	21.7	2.5
40	256QAM	1	1	19.21	19.30	19.23	19.7	4.5
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.33	23.23	23.23	24.2	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.36	23.21	23.21	24.2	0.0
Channel				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722	1745	1770		
20	QPSK	1	1	23.28	23.22	23.20	24.2	0.0
Channel				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.31	23.28	23.27	24.2	0.0
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.26	23.28	23.24	24.2	0.0
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.30	23.23	23.19	24.2	0.0



n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	20.53	20.40	20.49	21.7	0.0	
40	QPSK	1	108	20.55	20.50	20.50			
40	QPSK	1	214	20.48	20.58	20.56			
40	QPSK	108	0	20.37	20.42	20.41	21.7	0.0	
40	QPSK	108	54	20.50	20.58	20.55	21.7	0.0	
40	QPSK	108	108	20.35	20.49	20.39	21.7	0.0	
40	QPSK	216	0	20.39	20.52	20.42			
40	16QAM	1	1	20.38	20.59	20.44	21.7	0.0	
40	64QAM	1	1	20.38	20.55	20.31	21.7	0.0	
40	256QAM	1	1	19.25	19.38	19.22	20.2	1.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.54	20.62	20.50	21.7	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	20.52	20.64	20.43	21.7	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	1	20.49	20.63	20.44	21.7	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.57	20.64	20.43	21.7	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.58	20.60	20.50	21.7	0.0	
Channel				342000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.50	20.67	20.45	21.7	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	21.54	21.65	21.86	23.2	0.0	
40	QPSK	1	108	21.78	22.07	22.02			
40	QPSK	1	214	21.77	21.94	21.99			
40	QPSK	108	0	21.74	22.01	21.98	23.2	0.0	
40	QPSK	108	54	21.82	22.05	21.97	23.2	0.0	
40	QPSK	108	108	21.78	21.85	21.73	23.2	0.0	
40	QPSK	216	0	21.78	21.87	21.78			
40	16QAM	1	1	21.83	21.82	21.77	23.2	0.0	
40	64QAM	1	1	20.34	20.50	20.39	22.2	1.0	
40	256QAM	1	1	19.00	19.04	19.00	20.2	3.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.87	22.01	21.91	23.2	0.0	
Channel				344000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.90	22.04	21.86	23.2	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	1	21.88	22.02	21.86	23.2	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.90	21.87	21.87	23.2	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.80	21.96	21.87	23.2	0.0	
Channel				342000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.85	21.97	21.89	23.2	0.0	



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	518000	520000			
				2590	2595	2600			
40	QPSK	1	1	20.33	20.39	20.37			
40	QPSK	1	53	20.17	20.17	20.16	20.45	0.0	
40	QPSK	1	104	20.23	20.27	20.29			
40	QPSK	50	0	20.01	20.12	20.08			
40	QPSK	50	28	20.13	20.18	20.16	20.45	0.0	
40	QPSK	50	56	19.96	20.14	20.09			
40	QPSK	100	0	19.99	20.19	20.17	20.45	0.0	
40	16QAM	1	1	20.08	20.15	20.16	20.45	0.0	
40	64QAM	1	1	20.05	20.18	20.14	20.45	0.0	
40	256QAM	1	1	19.27	19.46	19.36	19.70	0.8	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	20.16	20.32	20.19	20.45	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	20.14	20.30	20.24	20.45	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.13	20.30	20.22	20.45	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	20.09	20.31	20.20	20.45	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	20.13	20.32	20.25	20.45	0.0	

n38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	21.68	21.72	21.65			
40	QPSK	1	53	21.62	21.50	21.49	23.2	0.0	
40	QPSK	1	104	21.37	21.33	21.30			
40	QPSK	50	0	21.52	21.44	21.41			
40	QPSK	50	28	21.60	21.70	21.58	23.2	0.0	
40	QPSK	50	56	21.30	21.23	21.24			
40	QPSK	100	0	21.62	21.65	21.63	23.2	0.0	
40	16QAM	1	1	21.62	21.69	21.55	23.2	0.0	
40	64QAM	1	1	20.67	20.74	20.68	22.2	1.0	
40	256QAM	1	1	19.29	19.37	19.23	20.2	3.0	
Channel									
Frequency (MHz)				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
				2585	2595	2605			
30	QPSK	1	1	21.62	21.70	21.61	23.2	0.0	
Channel									
Frequency (MHz)				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2582.5	2595	2607.5			
25	QPSK	1	1	21.65	21.69	21.60	23.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	21.65	21.64	21.59	23.2	0.0	
Channel									
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
				2577.5	2595	2612.5			
15	QPSK	1	1	21.63	21.62	21.56	23.2	0.0	
Channel									
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2575	2595	2615			
10	QPSK	1	1	21.62	21.65	21.55	23.2	0.0	

n38_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)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	20.97	21.09	20.99			
40	QPSK	1	53	20.78	20.89	20.86	21.95	0.0	
40	QPSK	1	104	20.87	21.07	20.95			
40	QPSK	50	0	20.75	20.83	20.76			
40	QPSK	50	28	20.96	21.05	20.96	21.95	0.0	
40	QPSK	50	56	20.79	21.03	20.85			
40	QPSK	100	0	20.91	21.02	20.96	21.95	0.0	
40	16QAM	1	1	20.90	21.00	20.95	21.95	0.0	
40	64QAM	1	1	20.07	20.18	20.13	21.70	0.3	
40	256QAM	1	1	18.78	18.86	18.75	19.70	2.3	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	20.87	20.99	20.93	21.95	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	20.94	21.07	20.98	21.95	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.93	21.07	20.97	21.95	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	20.87	21.06	20.90	21.95	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	20.93	21.03	20.94	21.95	0.0	



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	526000			
				2546.01	2592.99	2640			
100	QPSK	1	1	18.12	18.32	18.28			
100	QPSK	1	137	18.35	18.42	18.35	18.7	0.0	
100	QPSK	1	271	18.32	18.27	18.20			
100	QPSK	135	0	18.05	18.31	18.27			
100	QPSK	135	69	18.30	18.33	18.32	18.7	0.0	
100	QPSK	135	138	18.27	18.19	18.19			
100	QPSK	270	0	18.03	18.26	18.18	18.7	0.0	
100	16QAM	1	1	18.03	18.30	18.20	18.7	0.0	
100	64QAM	1	1	18.30	18.38	18.34	18.7	0.0	
100	256QAM	1	1	18.28	18.21	18.11	18.7	0.0	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2641	2692.98	2644.98	(dB)		
90	QPSK	1	1	18.04	18.26	18.21	18.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				18.05	18.24	18.27	(dB)		
80	QPSK	1	1	18.05	18.30	18.18	18.7	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626	2692.99	2659.98	(dB)		
60	QPSK	1	1	18.11	18.24	18.25	18.7	0.0	
Channel				505205	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	(dB)		
50	QPSK	1	1	18.10	18.29	18.23	18.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2616.01	2692.99	2670	(dB)		
40	QPSK	1	1	18.03	18.26	18.22	18.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	18.08	18.28	18.27	18.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	QPSK	1	1	18.06	18.27	18.20	18.7	0.0	
Channel				500202	518598	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	18.09	18.26	18.19	18.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	18.03	18.26	18.24	18.7	0.0	

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	19.88	19.50	19.68			
100	QPSK	1	137	19.69	18.79	18.58	20.2	0.0	
100	QPSK	1	271	19.61	18.73	18.55			
100	QPSK	135	0	19.66	18.76	18.54			
100	QPSK	135	69	19.86	19.40	19.67	20.2	0.0	
100	QPSK	135	138	19.53	18.66	18.50			
100	QPSK	270	0	19.83	19.43	18.62	20.2	0.0	
100	16QAM	1	1	19.83	19.41	18.64	20.2	0.0	
100	64QAM	1	1	19.73	18.73	18.54	20.2	0.0	
100	256QAM	1	1	19.53	18.67	18.51	20.2	0.0	
Channel				508200	518598	539998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2692.99	2644.98			
90	QPSK	1	1	19.81	19.42	18.62	20.2	0.0	
Channel				507204	518598	539998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626.02	2692.99	2649.99			
80	QPSK	1	1	19.84	19.46	19.67	20.2	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2659.98			
60	QPSK	1	1	19.87	19.41	18.66	20.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	19.82	19.49	18.68	20.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670			
40	QPSK	1	1	19.78	19.43	18.61	20.2	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.78	19.44	18.66	20.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	19.86	19.49	18.59	20.2	0.0	
Channel				500202	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.86	19.43	18.61	20.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.82	19.47	18.64	20.2	0.0	

FCC_n41_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)	MPR (dB)	
Channel				500202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	19.34	19.37	19.42			
100	QPSK	1	137	19.42	19.48	19.85	20.7	0.0	
100	QPSK	1	271	19.45	19.70	20.22			
100	QPSK	135	0	19.28	19.36	19.41			
100	QPSK	135	69	19.36	19.41	19.82	20.7	0.0	
100	QPSK	135	138	19.32	19.36	19.77			
100	QPSK	270	0	19.33	19.34	19.36	20.7	0.0	
100	16QAM	1	1	19.37	19.38	19.84	20.7	0.0	
100	64QAM	1	1	19.37	19.60	20.14	20.7	0.0	
100	256QAM	1	1	19.27	19.27	19.35	20.7	0.0	
Channel				508200	518598	539998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2641	2692.99	2644.98	(dB)		
90	QPSK	1	1	19.28	19.34	19.40	20.7	0.0	
Channel				507204	518598	539998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626.02	2692.99	2651.99	(dB)		
80	QPSK	1	1	19.26	19.34	19.35	20.7	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626	2692.99	2659.98	(dB)		
60	QPSK	1	1	19.26	19.28	19.32	20.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	(dB)		
50	QPSK	1	1	19.31	19.28	19.40	20.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2616.01	2692.99	2670	(dB)		
40	QPSK	1	1	19.26	19.36	19.34	20.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	19.29	19.30	19.37	20.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	QPSK	1	1	19.27	19.30	19.3	20.7	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.9	2592.99	2682.48	(dB)		
15	QPSK	1	1	19.33	19.34	19.33	20.7	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	19.24	19.30	19.34	20.7	0.0	



Reduced Power Mode for ECI 2&4

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 166800	Power Middle Ch. F.Freq. 167300	Power High Ch. F.Freq. 167800	MPR (dB)
Channel				834	836.5	839	
Frequency (MHz)				23.09	23.07	23.13	
20	QPSK	1	1	23.09	23.07	23.13	24.7
20	QPSK	1	53	23.26	23.35	23.52	0.0
20	QPSK	1	104	23.06	23.07	23.03	
20	QPSK	50	0	22.18	22.22	22.20	23.7
20	QPSK	50	28	23.21	23.25	23.22	24.7
20	QPSK	50	56	22.16	22.12	22.10	23.7
20	QPSK	100	0	22.15	22.16	22.15	23.7
20	16QAM	1	1	21.78	21.84	21.70	23.7
20	64QAM	1	1	20.41	20.46	20.35	22.2
20	256QAM	1	1	19.07	19.21	19.12	20.2
Channel				165300	167300	169300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				830	836.5	844	
10	QPSK	1	1	22.95	23.00	23.08	24.7
Channel				165300	167300	169300	
Frequency (MHz)				828.5	836.5	848.5	
5	QPSK	1	1	22.96	22.98	23.08	24.7

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 166800	Power Middle Ch. F.Freq. 167300	Power High Ch. F.Freq. 167800	MPR (dB)
Channel				834	836.5	839	
Frequency (MHz)				23.07	23.08	23.70	
20	QPSK	1	1	23.07	23.08	23.70	24.7
20	QPSK	1	53	23.31	23.91	23.17	0.0
20	QPSK	1	104	23.62	23.63	23.57	
20	QPSK	50	0	22.74	22.76	22.73	23.7
20	QPSK	50	28	23.73	23.79	23.76	24.7
20	QPSK	50	56	22.72	22.71	22.68	23.7
20	QPSK	100	0	22.74	22.75	22.73	23.7
20	16QAM	1	1	22.28	22.41	22.26	23.7
20	64QAM	1	1	20.86	20.94	20.84	22.2
20	256QAM	1	1	19.54	19.76	19.66	20.2
Channel				165300	167300	169300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.54	23.61	23.64	24.7
Channel				165300	167300	169300	
Frequency (MHz)				830	836.5	844	
10	QPSK	1	1	23.62	23.62	23.62	24.7
Channel				165300	167300	169300	
Frequency (MHz)				828.5	836.5	848.5	
5	QPSK	1	1	23.52	23.57	23.58	24.7

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 505000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 509000	MPR (dB)
Channel				2525	2535	2545	
Frequency (MHz)				17.53	17.63	17.57	
50	QPSK	1	1	17.53	17.63	17.57	17.95
50	QPSK	1	135	17.84	17.85	17.76	0.0
50	QPSK	1	268	17.72	17.68	17.72	
50	QPSK	135	0	17.49	17.58	17.48	17.95
50	QPSK	135	68	17.74	17.75	17.74	17.95
50	QPSK	135	135	17.54	17.73	17.51	17.95
50	QPSK	270	0	17.68	17.68	17.64	17.95
50	16QAM	1	1	17.52	17.68	17.47	17.95
50	64QAM	1	1	17.60	17.59	17.58	17.95
50	256QAM	1	1	17.48	17.77	17.60	17.56
Channel				505000	507000	509000	
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	17.69	17.82	17.60	17.95
Channel				505000	507000	511000	
Frequency (MHz)				2535	2535	2555	
30	QPSK	1	1	17.65	17.87	17.63	17.95
Channel				505000	507000	511500	
Frequency (MHz)				2532.5	2535	2537.5	
25	QPSK	1	1	17.63	17.82	17.65	17.95
Channel				505000	507000	512000	
Frequency (MHz)				2530	2535	2560	
20	QPSK	1	1	17.63	17.82	17.64	17.95
Channel				505000	507000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	17.66	17.85	17.71	17.95
Channel				505000	507000	513000	
Frequency (MHz)				2506	2535	2565	
10	QPSK	1	1	17.70	17.78	17.63	17.95
Channel				505000	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	17.61	17.77	17.68	17.95

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 505000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	23.33	23.26	23.11		
50	QPSK	1	135	23.34	23.37	23.12	24.7	0.0
50	QPSK	1	268	22.93	22.82	22.73		
50	QPSK	135	0	22.32	22.41	22.29	23.7	1.0
50	QPSK	135	68	23.21	23.25	23.16	24.7	0.0
50	QPSK	135	135	22.14	22.12	21.89		
50	QPSK	270	0	22.11	22.19	22.02	23.7	1.0
50	16QAM	1	1	21.93	22.02	21.80	23.7	1.0
50	64QAM	1	1	20.43	20.53	20.38	22.2	2.5
50	256QAM	1	1	19.10	19.20	19.07	20.2	4.5
Channel								
Frequency (MHz)				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.19	23.10	23.03	24.7	0.0
Channel								
Frequency (MHz)				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.22	23.18	23.06	24.7	0.0
Channel								
Frequency (MHz)				502500	507000	511000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.23	23.14	23.03	24.7	0.0
Channel								
Frequency (MHz)				500000	507000	510000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.21	23.19	23.03	24.7	0.0
Channel								
Frequency (MHz)				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.22	23.20	22.96	24.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.24	23.14	23.04	24.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.22	23.15	23.00	24.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 505000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	19.17	19.31	19.32		
50	QPSK	1	135	19.40	19.50	19.38	20.7	0.0
50	QPSK	1	268	19.17	19.24	19.35		
50	QPSK	135	0	19.16	19.31	19.20	20.7	0.0
50	QPSK	135	68	19.03	19.08	19.26	20.7	0.0
50	QPSK	135	135	19.24	19.23	19.13		
50	QPSK	270	0	19.16	19.32	19.21	20.7	0.0
50	16QAM	1	1	19.13	19.32	19.10	20.7	0.0
50	64QAM	1	1	18.92	19.14	19.02	20.7	0.0
50	256QAM	1	1	17.70	17.80	17.68	18.7	2.0
Channel								
Frequency (MHz)				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.25	19.36	19.31	20.7	0.0
Channel								
Frequency (MHz)				500000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.32	19.38	19.34	20.7	0.0
Channel								
Frequency (MHz)				502500	507000	511000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	19.32	19.38	19.27	20.7	0.0
Channel								
Frequency (MHz)				500000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.24	19.29	19.33	20.7	0.0
Channel								
Frequency (MHz)				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.30	19.37	19.27	20.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.25	19.44	19.27	20.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.26	19.35	19.34	20.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 348000	Power High Ch. Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.29	21.30	21.28		
40	QPSK	1	108	21.41	21.45	21.27	22.2	0.0
40	QPSK	1	214	21.38	21.08	21.06		
40	QPSK	108	0	21.10	21.23	21.02	22.2	0.0
40	QPSK	108	54	21.27	21.28	21.25	22.2	0.0
40	QPSK	108	108	21.10	21.09	21.07		
40	QPSK	216	0	21.02	21.24	21.13	22.2	0.0
40	16QAM	1	1	21.04	21.13	21.02	22.2	0.0
40	64QAM	1	1	20.52	20.58	20.49	21.7	0.5
40	256QAM	1	1	19.14	19.17	19.12	19.7	2.5
Channel								
Frequency (MHz)				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.16	21.31	21.16	22.2	0.0
Channel								
Frequency (MHz)				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.14	21.28	21.14	22.2	0.0
Channel								
Frequency (MHz)				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.18	21.26	21.12	22.2	0.0
Channel								
Frequency (MHz)				343000	348000	350000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.21	21.25	21.10	22.2	0.0
Channel								
Frequency (MHz)				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.23	21.27	21.21	22.2	0.0
Channel								
Frequency (MHz)				341000	349000	350000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.13	21.27	21.18	22.2	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.61	23.46	23.60		0.0
40	QPSK	1	108	23.54	23.75	23.71	24.7	
40	QPSK	1	214	23.61	23.64	23.61		1.0
40	QPSK	108	0	22.64	22.54	22.78	23.7	
40	QPSK	108	54	23.63	23.68	23.63	24.7	0.0
40	QPSK	108	108	22.77	22.69	22.78		
40	QPSK	216	0	22.58	22.68	22.63	23.7	1.0
40	16QAM	1	1	22.23	22.29	22.23	23.7	1.0
40	64QAM	1	1	20.78	20.85	20.78	22.2	2.5
40	256QAM	1	1	18.32	18.43	18.31	20.2	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	23.53	23.51	23.48	24.7	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	23.45	23.37	23.53	24.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.53	23.37	23.55	24.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.55	23.32	23.44	24.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	20.48	20.59	20.76		
40	QPSK	1	108	20.55	20.59	20.55	21.95	0.0
40	QPSK	1	214	20.64	20.82	20.83		
40	QPSK	108	0	20.59	20.89	20.86	21.95	0.0
40	QPSK	108	54	20.77	20.59	20.67	21.95	0.0
40	QPSK	108	108	20.89	20.73	20.67		
40	QPSK	216	0	20.67	20.71	20.70	21.95	0.0
40	16QAM	1	1	20.67	20.88	20.62	21.95	0.0
40	64QAM	1	1	20.26	20.34	20.28	21.95	0.0
40	256QAM	1	1	18.91	18.88	18.84	20.20	1.8
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.72	20.50	20.88	21.95	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.81	20.94	20.82	21.95	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.78	20.58	20.82	21.95	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.78	20.82	20.86	21.95	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.78	20.82	20.78	21.95	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.72	20.94	20.86	21.95	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	18.22	18.34	18.24			
40	QPSK	1	53	18.04	18.09	18.05	18.45	0.0	
40	QPSK	1	104	18.08	18.13	18.17			
40	QPSK	50	0	17.90	18.06	18.00			
40	QPSK	50	28	17.97	18.11	18.08	18.45	0.0	
40	QPSK	50	56	17.84	18.01	17.99			
40	QPSK	100	0	17.89	18.16	18.10	18.45	0.0	
40	16QAM	1	1	18.01	18.10	18.07	18.45	0.0	
40	64QAM	1	1	17.97	18.12	18.04	18.45	0.0	
40	256QAM	1	1	17.86	18.07	17.94	18.45	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	17.97	18.05	18.05	18.45	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	17.99	18.09	18.10	18.45	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.06	18.09	18.13	18.45	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	17.98	18.10	18.13	18.45	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	18.06	18.05	18.11	18.45	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	23.48	23.54	23.37			
40	QPSK	1	53	23.12	23.04	22.84	24.7	0.0	
40	QPSK	1	104	22.84	22.86	22.81			
40	QPSK	50	0	22.38	22.27	22.14			
40	QPSK	50	28	23.05	23.13	22.91	24.7	0.0	
40	QPSK	50	56	21.92	21.84	21.79			
40	QPSK	100	0	22.09	22.17	21.96	23.7	1.0	
40	16QAM	1	1	22.05	22.18	22.09	23.7	1.0	
40	64QAM	1	1	20.87	20.74	20.68	22.2	2.5	
40	256QAM	1	1	19.29	19.37	19.23	20.2	4.5	
Channel									
Frequency (MHz)				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
				2585	2595	2605			
30	QPSK	1	1	23.41	23.44	23.22	24.7	0.0	
Channel									
Frequency (MHz)				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2582.5	2595	2607.5			
25	QPSK	1	1	23.41	23.49	23.28	24.7	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2580	2595	2610			
20	QPSK	1	1	23.36	23.39	23.32	24.7	0.0	
Channel									
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
				2577.5	2595	2612.5			
15	QPSK	1	1	23.44	23.39	23.26	24.7	0.0	
Channel									
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2575	2595	2615			
10	QPSK	1	1	23.40	23.40	23.30	24.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	519000	520000			
				2590	2595	2600			
40	QPSK	1	1	20.31	20.48	20.38			
40	QPSK	1	53	20.29	20.40	20.34	21.45	0.0	
40	QPSK	1	104	20.27	20.44	20.36			
40	QPSK	50	0	20.17	20.27	20.14			
40	QPSK	50	28	20.26	20.46	20.35	21.45	0.0	
40	QPSK	50	56	20.25	20.35	20.32			
40	QPSK	100	0	20.26	20.45	20.33	21.45	0.0	
40	16QAM	1	1	20.25	20.43	20.34	21.45	0.0	
40	64QAM	1	1	20.07	20.18	20.13	21.45	0.0	
40	256QAM	1	1	18.78	18.86	18.75	19.70	1.8	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	20.21	20.44	20.38	21.45	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	20.21	20.44	20.40	21.45	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.23	20.43	20.31	21.45	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	20.26	20.42	20.35	21.45	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	20.23	20.40	20.36	21.45	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	526000			
				2546.01	2592.99	2640			
100	QPSK	1	1	17.21	17.53	17.38			
100	QPSK	1	137	17.47	17.54	17.42	17.7	0.0	
100	QPSK	1	271	17.44	17.32	17.16			
100	QPSK	135	0	17.18	17.45	17.37			
100	QPSK	135	69	17.39	17.47	17.40	17.7	0.0	
100	QPSK	135	138	17.37	17.28	17.12			
100	QPSK	270	0	17.16	17.52	17.33	17.7	0.0	
100	16QAM	1	1	17.19	17.49	17.31	17.7	0.0	
100	64QAM	1	1	17.41	17.51	17.36	17.7	0.0	
100	256QAM	1	1	17.41	17.22	17.11	17.7	0.0	
Channel				506200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2692.99	2644.98	(dB)		
90	QPSK	1	1	17.17	17.52	17.36	17.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2642.02	2692.99	2643.99	(dB)		
80	QPSK	1	1	17.15	17.45	17.35	17.7	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2659.98	(dB)		
60	QPSK	1	1	17.13	17.43	17.33	17.7	0.0	
Channel				509204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626.01	2692.99	2664.98	(dB)		
50	QPSK	1	1	17.18	17.44	17.30	17.7	0.0	
Channel				510202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670	(dB)		
40	QPSK	1	1	17.16	17.45	17.34	17.7	0.0	
Channel				510200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	17.11	17.47	17.33	17.7	0.0	
Channel				511204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	QPSK	1	1	17.20	17.47	17.34	17.7	0.0	
Channel				512100	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	17.18	17.47	17.31	17.7	0.0	
Channel				510202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611.01	2692.99	2685	(dB)		
10	QPSK	1	1	17.15	17.49	17.36	17.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	526000			
				2546.01	2592.99	2640			
100	QPSK	1	1	23.88	23.54	22.65			
100	QPSK	1	137	23.69	22.76	22.26	24.2	0.0	
100	QPSK	1	271	22.69	22.23	22.21			
100	QPSK	135	0	23.25	22.77	22.24			
100	QPSK	135	69	23.78	23.33	22.62	24.2	0.0	
100	QPSK	135	138	22.64	22.25	22.24			
100	QPSK	270	0	22.81	22.25	21.78	23.7	0.5	
100	16QAM	1	1	22.84	22.74	22.60	23.7	0.5	
100	64QAM	1	1	21.08	21.19	21.12	22.2	2.0	
100	256QAM	1	1	19.73	19.89	19.80	20.2	4.0	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2641	2692.99	2644.98	(dB)		
90	QPSK	1	1	23.84	23.53	22.57	24.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2632.02	2692.99	2633.99	(dB)		
80	QPSK	1	1	23.86	23.53	22.56	24.2	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626	2692.99	2659.98	(dB)		
60	QPSK	1	1	23.85	23.52	22.55	24.2	0.0	
Channel				509204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	(dB)		
50	QPSK	1	1	23.86	23.50	22.55	24.2	0.0	
Channel				510202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2616.01	2692.99	2670	(dB)		
40	QPSK	1	1	23.79	23.52	22.57	24.2	0.0	
Channel				510200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	23.85	23.45	22.55	24.2	0.0	
Channel				511204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	QPSK	1	1	23.86	23.50	22.63	24.2	0.0	
Channel				512100	518598	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	23.81	23.53	22.63	24.2	0.0	
Channel				510202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2611.01	2692.99	2685	(dB)		
10	QPSK	1	1	23.78	23.51	22.55	24.2	0.0	

FCC_n41_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)	MPR (dB)	
Channel									
Frequency (MHz)				500202	518598	528000			
				2546.01	2592.99	2640			
100	QPSK	1	1	19.74	19.88	19.86			
100	QPSK	1	137	19.95	20.00	20.27	20.95	0.0	
100	QPSK	135	0	19.66	19.80	19.78			
100	QPSK	135	69	19.94	20.15	20.70	20.95	0.0	
100	QPSK	135	138	19.93	20.13	20.71			
100	QPSK	270	0	19.72	19.83	19.84	20.95	0.0	
100	16QAM	1	1	19.68	19.81	19.79	20.95	0.0	
100	64QAM	1	1	19.72	19.83	19.78	20.95	0.0	
100	256QAM	1	1	18.68	18.80	18.72	19.70	1.3	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2641	2692.99	2644.98	(dB)		
90	QPSK	1	1	19.68	19.84	19.76	20.95	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2632.02	2692.99	2633.99	(dB)		
80	QPSK	1	1	19.67	19.85	19.77	20.95	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2626	2692.99	2659.98	(dB)		
60	QPSK	1	1	19.64	19.80	19.80	20.95	0.0	
Channel				509204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	(dB)		
50	QPSK	1	1	19.65	19.86	19.79	20.95	0.0	
Channel				510202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2616.01	2692.99	2670	(dB)		
40	QPSK	1	1	19.70	19.85	19.83	20.95	0.0	
Channel				510200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	19.72	19.79	19.81	20.95	0.0	
Channel				511204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)		
20	QPSK	1	1	19.70	19.78	19.78	20.95	0.0	
Channel				509700	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	19.65	19.84	19.83	20.95	0.0	
Channel				510200	518598	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	19.65	19.82	19.83	20.95	0.0	



Full&Default Power Mode ENDC

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.7	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.09	23.07	23.13			
20	QPSK	1	53	23.06	23.35	23.22	24.7	0.0	
20	QPSK	1	104	23.06	23.07	23.03			
20	QPSK	50	0	22.18	22.22	22.20			
20	QPSK	50	28	23.21	23.25	23.22	24.7	0.0	
20	QPSK	50	56	22.16	22.12	22.10	23.7	1.0	
20	QPSK	100	0	22.15	22.16	22.15			
20	16QAM	1	1	21.78	21.84	21.76	23.7	1.0	
20	64QAM	1	1	20.41	20.46	20.35	22.2	2.5	
20	256QAM	1	1	19.07	19.21	19.12	20.2	4.5	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0	
15	QPSK	1	1	23.04	22.98	23.08			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.7	0.0	
10	QPSK	1	1	22.95	23.00	23.08			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.7	0.0	
5	QPSK	1	1	22.96	22.98	23.08			

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.7	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.07	23.08	23.70			
20	QPSK	1	53	23.11	23.91	23.77	24.7	0.0	
20	QPSK	1	104	23.62	23.63	23.57			
20	QPSK	50	0	22.74	22.76	22.73	23.7	1.0	
20	QPSK	50	28	23.76	23.79	23.76	24.7	0.0	
20	QPSK	50	56	22.72	22.71	22.68	23.7	1.0	
20	QPSK	100	0	22.74	22.75	22.73			
20	16QAM	1	1	22.28	22.41	22.26	23.7	1.0	
20	64QAM	1	1	20.86	20.94	20.84	22.2	2.5	
20	256QAM	1	1	19.54	19.76	19.66	20.2	4.5	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0	
15	QPSK	1	1	23.54	23.61	23.64			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.7	0.0	
10	QPSK	1	1	23.82	23.62	23.62			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.7	0.0	
5	QPSK	1	1	23.52	23.57	23.58			

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	23.7	0.0	
Frequency (MHz)				2505	2535	2545			
50	QPSK	1	1	22.78	23.04	23.12			
50	QPSK	1	135	23.11	23.53	23.75	22.7	1.0	
50	QPSK	1	268	23.21	23.25	23.22			
50	QPSK	135	0	21.94	22.21	22.25	22.7	1.0	
50	QPSK	135	68	23.50	23.52	23.51	23.7	0.0	
50	QPSK	135	135	22.20	22.21	22.30	22.7	1.0	
50	QPSK	270	0	22.08	22.23	22.21			
50	16QAM	1	1	21.84	21.76	21.80	22.7	1.0	
50	64QAM	1	1	20.23	20.32	20.17	21.2	2.5	
50	256QAM	1	1	18.92	19.97	19.82	19.2	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2550	23.7	0.0	
40	QPSK	1	1	22.81	23.07	23.15			
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	23.7	0.0	
30	QPSK	1	1	22.78	23.03	23.06			
Channel				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.5	2535	2557.5	23.7	0.0	
25	QPSK	1	1	22.78	23.07	23.09			
Channel				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550	23.7	0.0	
20	QPSK	1	1	22.82	23.09	23.15			
Channel				505000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.7	0.0	
15	QPSK	1	1	22.77	23.09	23.13			
Channel				505000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2565	23.7	0.0	
10	QPSK	1	1	22.77	22.99	23.14			
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.7	0.0	
5	QPSK	1	1	22.78	23.02	23.12			

n7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	23.7	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	23.33	23.28	23.11			
50	QPSK	1	135	23.34	23.37	23.12	23.7	0.0	
50	QPSK	1	268	22.93	22.82	22.73			
50	QPSK	135	0	22.32	22.41	22.29			
50	QPSK	135	68	23.71	23.25	23.15	23.7	0.0	
50	QPSK	135	135	22.14	22.12	21.83			
50	QPSK	270	0	22.11	22.19	22.02			
50	16QAM	1	1	21.95	22.02	21.90	22.7	1.0	
50	64QAM	1	1	20.43	20.53	20.38			
50	256QAM	1	1	18.15	19.20	19.07			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.19	23.10	23.03	23.7	0.0	
Channel				503500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.22	23.18	23.06	23.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.23	23.14	23.03	23.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.21	23.19	23.03	23.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.22	23.20	22.96	23.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.24	23.14	23.04	23.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.22	23.15	23.05	23.7	0.0	

n7_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)	MPR (dB)	
Channel				505000	507000	509000	23.2	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	21.75	21.62	21.83			
50	QPSK	1	135	21.75	22.15	21.55	23.2	0.0	
50	QPSK	1	268	21.81	21.87	21.91			
50	QPSK	135	0	20.98	21.04	20.96			
50	QPSK	135	68	22.11	21.35	21.35	22.2	1.0	
50	QPSK	135	135	21.00	20.88	20.84			
50	QPSK	270	0	20.91	20.82	20.90			
50	16QAM	1	1	20.54	20.64	20.55	22.2	1.0	
50	64QAM	1	1	19.05	19.19	19.10			
50	256QAM	1	1	17.85	17.51	17.79			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	21.65	21.81	21.62	23.2	0.0	
Channel				503500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.63	21.76	21.85	23.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.59	21.77	21.79	23.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.64	21.80	21.80	23.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.68	21.87	21.77	23.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.64	21.80	21.83	23.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.60	21.83	21.85	23.2	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000	24.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.42	23.35	23.33			
40	QPSK	1	108	23.45	23.50	23.17	24.2	0.0	
40	QPSK	1	214	23.41	23.18	23.15			
40	QPSK	108	0	22.51	22.26	22.46			
40	QPSK	108	54	23.44	23.45	23.36	23.2	1.0	
40	QPSK	108	108	22.48	22.39	22.30			
40	QPSK	216	0	22.38	22.44	22.32			
40	16QAM	1	1	22.06	22.14	22.09	23.2	1.0	
40	64QAM	1	1	20.68	20.74	20.62			
40	256QAM	1	1	19.21	19.20	19.23			
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.33	23.23	23.23	24.2	0.0	
Channel				344000	348000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
25	QPSK	1	1	23.36	23.21	23.21	24.2	0.0	
Channel				344000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1780			
20	QPSK	1	1	23.28	23.22	23.20	24.2	0.0	
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.31	23.28	23.27	24.2	0.0	
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.26	23.28	23.24	24.2	0.0	
Channel				342000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.30	23.23	23.19	24.2	0.0	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.7	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.61	23.48	23.60			
40	QPSK	1	108	23.64	23.75	23.77			
40	QPSK	1	214	23.61	23.64	23.61	23.7	1.0	
40	QPSK	108	0	22.64	22.54	22.78			
40	QPSK	108	84	23.63	23.68	23.63			
40	QPSK	108	108	22.77	22.69	22.79			
40	QPSK	216	0	22.58	22.68	22.63	23.7	1.0	
40	16QAM	1	1	22.23	22.29	22.23			
40	64QAM	1	1	20.78	20.85	20.76			
40	256QAM	1	1	19.32	19.43	19.31			
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	23.53	23.31	23.48	24.7	0.0	
Channel				347500	349500	350500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	23.45	23.37	23.53	24.7	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1740	1760	(dBm)	(dB)	
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.53	23.37	23.55	24.7	0.0	
Channel				343000	349000	350500	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0	
Channel				342000	349000	350500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.55	23.32	23.44	24.7	0.0	

n66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.7	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.20	23.21	23.44			
40	QPSK	1	108	23.42	23.65	23.75			
40	QPSK	1	214	23.38	23.59	23.56	23.7	1.0	
40	QPSK	108	0	22.34	22.35	22.63			
40	QPSK	108	84	23.37	23.61	23.54			
40	QPSK	108	108	22.58	22.50	22.75			
40	QPSK	216	0	22.43	22.63	22.61	23.7	1.0	
40	16QAM	1	1	21.92	21.96	21.87			
40	64QAM	1	1	20.42	20.56	20.47			
40	256QAM	1	1	19.10	19.17	19.09			
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	23.13	23.12	23.28	24.7	0.0	
Channel				347500	349500	350500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	23.15	23.06	23.31	24.7	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1740	1760	(dBm)	(dB)	
20	QPSK	1	1	23.13	23.15	23.38	24.7	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.13	23.09	23.34	24.7	0.0	
Channel				343000	349000	350500	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.08	23.09	23.32	24.7	0.0	
Channel				342000	349000	350500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.08	23.07	23.29	24.7	0.0	



n38_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				518000	519000	520000	24.2	0.0
Frequency (MHz)				2590	2595	2590		
40	QPSK	1	1	23.52	23.94	23.93		
40	QPSK	1	53	23.80	23.78	23.80	24.2	0.0
40	QPSK	1	104	23.78	23.85	23.86		
40	QPSK	50	0	22.81	22.79	22.78		
40	QPSK	50	26	23.98	23.78	23.71	24.2	0.0
40	QPSK	50	56	22.70	22.72	22.74		
40	QPSK	100	0	22.76	22.77	22.72		
40	16QAM	1	1	22.43	22.57	22.49	23.2	1.0
40	64QAM	1	1	21.04	21.14	21.06	21.7	2.5
40	256QAM	1	1	19.39	19.55	19.49	19.7	4.5
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585	2595	2605	(dBm)	(dB)
30	QPSK	1	1	23.19	23.85	23.79	24.2	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	23.76	23.80	23.82	24.2	0.0
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	23.81	23.87	23.80	24.2	0.0
Channel				515500	519000	525500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	23.86	23.88	23.83	24.2	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	23.83	23.89	23.81	24.2	0.0

n38_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				518000	519000	520000	24.2	0.0
Frequency (MHz)				2590	2595	2590		
40	QPSK	1	1	23.49	23.94	23.93		
40	QPSK	1	53	23.12	23.04	22.94	24.2	0.0
40	QPSK	1	104	22.84	22.86	22.81		
40	QPSK	50	0	22.38	22.27	22.14		
40	QPSK	50	26	23.05	23.13	22.91	24.2	0.0
40	QPSK	50	56	21.92	21.84	21.79		
40	QPSK	100	0	22.09	22.17	21.96		
40	16QAM	1	1	22.09	22.18	22.09	23.2	1.0
40	64QAM	1	1	20.67	20.74	20.68	21.7	2.5
40	256QAM	1	1	19.29	19.37	19.23	19.7	4.5
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585	2595	2605	(dBm)	(dB)
30	QPSK	1	1	23.41	23.44	23.22	24.2	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	23.41	23.49	23.26	24.2	0.0
Channel				517000	519000	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	23.36	23.39	23.32	24.2	0.0
Channel				515500	519000	525500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	23.44	23.38	23.26	24.2	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	23.40	23.40	23.30	24.2	0.0

n38_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)	MPR (dB)
Channel				518000	519000	520000	24.2	0.0
Frequency (MHz)				2590	2595	2590		
40	QPSK	1	1	23.93	23.05	22.98		
40	QPSK	1	53	22.75	22.88	22.88	24.2	0.0
40	QPSK	1	104	22.91	23.04	22.96		
40	QPSK	50	0	21.90	21.86	21.83		
40	QPSK	50	26	22.82	22.84	22.83	24.2	0.0
40	QPSK	50	56	21.87	21.87	21.97		
40	QPSK	100	0	21.85	21.86	21.85		
40	16QAM	1	1	21.58	21.63	21.47	23.2	1.0
40	64QAM	1	1	20.07	20.16	20.13	21.7	2.5
40	256QAM	1	1	18.78	18.86	18.75	19.7	4.5
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585	2595	2605	(dBm)	(dB)
30	QPSK	1	1	22.82	22.95	22.87	24.2	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	22.80	22.96	22.82	24.2	0.0
Channel				517000	519000	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	22.84	22.90	22.87	24.2	0.0
Channel				515500	519000	525500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	22.88	22.88	22.84	24.2	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	22.79	22.91	22.84	24.2	0.0



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2548.01	2552.99	2540			
100	QPSK	1	1	23.49	24.02	23.91			
100	QPSK	1	137	23.93	24.09	23.93	24.2	0.0	
100	QPSK	1	271	23.91	23.81	23.67			
100	QPSK	135	0	22.90	22.99	22.97			
100	QPSK	135	69	23.98	23.99	23.95	24.2	0.0	
100	QPSK	135	138	23.05	22.85	22.77			
100	QPSK	270	0	22.86	22.87	22.70	23.2	1.0	
100	16QAM	1	1	22.51	22.60	22.47	23.2	1.0	
100	64QAM	1	1	20.96	21.06	21.04	21.7	2.5	
100	256QAM	1	1	19.41	19.56	19.51	19.7	4.5	
Channel				506200	518598	528990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2541.98			
90	QPSK	1	1	23.34	23.67	23.76	24.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2552.99	2549.99			
80	QPSK	1	1	23.44	23.94	23.80	24.2	0.0	
Channel				508200	518598	531990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2559.98			
60	QPSK	1	1	23.38	23.88	23.82	24.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2514.02	2552.99	2541.98			
50	QPSK	1	1	23.34	23.92	23.82	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2570			
40	QPSK	1	1	23.42	23.53	23.82	24.2	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2574.98			
30	QPSK	1	1	23.35	23.93	23.81	24.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2579.99			
20	QPSK	1	1	23.39	23.88	23.75	24.2	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2552.99	2582.48			
15	QPSK	1	1	23.41	23.97	23.77	24.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2552.99	2585			
10	QPSK	1	1	23.35	23.94	23.76	24.2	0.0	

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2548.01	2552.99	2540			
100	QPSK	1	1	23.91	23.95	23.11			
100	QPSK	1	137	23.64	23.07	22.75	24.2	0.0	
100	QPSK	1	271	22.65	22.28	22.05			
100	QPSK	135	0	22.75	22.57	21.91			
100	QPSK	135	69	23.68	23.13	22.82	24.2	0.0	
100	QPSK	135	138	22.14	21.65	21.42			
100	QPSK	270	0	22.31	22.05	21.78	23.2	1.0	
100	16QAM	1	1	22.14	22.54	22.80	23.2	1.0	
100	64QAM	1	1	20.58	20.99	21.12	21.7	2.5	
100	256QAM	1	1	19.23	19.69	19.80	19.7	4.5	
Channel				506200	518598	528990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2541.98			
90	QPSK	1	1	23.15	23.75	23.99	24.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2552.99	2549.99			
80	QPSK	1	1	23.75	23.69	23.14	24.2	0.0	
Channel				508200	518598	531990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2559.98			
60	QPSK	1	1	23.78	23.69	23.13	24.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2514.02	2552.99	2541.98			
50	QPSK	1	1	23.78	23.70	23.11	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2570			
40	QPSK	1	1	23.76	23.74	23.12	24.2	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2574.98			
30	QPSK	1	1	23.78	23.68	23.07	24.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2579.99			
20	QPSK	1	1	23.77	23.73	23.11	24.2	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2552.99	2582.48			
15	QPSK	1	1	23.80	23.79	23.12	24.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2552.99	2585			
10	QPSK	1	1	23.76	23.77	23.14	24.2	0.0	

FCC_n41_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)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2548.01	2552.99	2540			
100	QPSK	1	1	22.79	22.80	22.89			
100	QPSK	1	137	22.95	23.01	23.32	24.2	0.0	
100	QPSK	1	271	22.96	23.25	23.77			
100	QPSK	135	0	21.99	21.98	22.17			
100	QPSK	135	69	23.02	23.06	23.35	24.2	0.0	
100	QPSK	135	138	22.01	22.02	22.41			
100	QPSK	270	0	21.90	21.92	22.14	23.2	1.0	
100	16QAM	1	1	21.52	21.60	21.45	23.2	1.0	
100	64QAM	1	1	19.98	20.11	19.98	21.7	2.5	
100	256QAM	1	1	18.68	18.80	18.72	19.7	4.5	
Channel				508200	518598	538998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2544.98			
90	QPSK	1	1	22.63	22.74	22.78	24.2	0.0	
Channel				507204	518598	539998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2552.99	2549.99			
80	QPSK	1	1	22.63	22.75	22.84	24.2	0.0	
Channel				508200	518598	531990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2559.98			
60	QPSK	1	1	22.72	22.71	22.76	24.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2514.02	2552.99	2541.98			
50	QPSK	1	1	22.64	22.74	22.84	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2570			
40	QPSK	1	1	22.65	22.73	22.75	24.2	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2574.98			
30	QPSK	1	1	22.65	22.71	22.75	24.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2579.99			
20	QPSK	1	1	22.69	22.69	22.78	24.2	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2552.99	2582.48			
15	QPSK	1	1	22.69	22.75	22.74	24.2	0.0	
Channel				500200	518598	537498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.01	2552.99	2585			
10	QPSK	1	1	22.68	22.73	22.80	24.2	0.0	



n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.07	23.13	24.7	0.0
20	QPSK	1	53	23.26	23.35	23.22		
20	QPSK	1	104	23.06	23.07	23.03		
20	QPSK	50	0	22.18	22.22	22.20	23.7	1.0
20	QPSK	50	28	23.21	23.25	23.22	24.7	0.0
20	QPSK	50	56	22.16	22.12	22.10	23.7	1.0
20	QPSK	100	0	22.15	22.16	22.15	23.7	1.0
20	16QAM	1	1	21.78	21.84	21.70	23.7	1.0
20	64QAM	1	1	20.41	20.46	20.35	22.2	2.5
20	256QAM	1	1	19.07	19.21	19.12	20.2	4.5
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.85	23.00	23.08	24.7	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.96	22.98	23.08	24.7	0.0

Reduced Power Mode for ECI 1 END C								
n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166600	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.67	23.68	23.70	24.7	0.0
20	QPSK	1	53	23.81	23.91	23.77		
20	QPSK	1	104	23.62	23.63	23.57		
20	QPSK	50	0	22.74	22.76	22.73	23.7	1.0
20	QPSK	50	28	23.78	23.79	23.76	24.7	0.0
20	QPSK	50	56	22.72	22.71	22.68	23.7	1.0
20	QPSK	100	0	22.74	22.75	22.73	23.7	1.0
20	16QAM	1	1	22.28	22.41	22.26	23.7	1.0
20	64QAM	1	1	20.86	20.94	20.84	22.2	2.5
20	256QAM	1	1	19.84	19.76	19.66	20.2	4.5
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.54	23.61	23.64	24.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.62	23.62	23.62	24.7	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.52	23.57	23.58	24.7	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	508000		
Frequency (MHz)				2505	2535	2545		
50	QPSK	1	1	16.53	16.51	16.44	16.95	0.0
50	QPSK	1	135	16.58	16.60	16.55		
50	QPSK	1	269	16.50	16.54	16.41		
50	QPSK	135	0	16.43	16.54	16.50	16.95	0.0
50	QPSK	135	68	16.55	16.58	16.53	16.95	0.0
50	QPSK	135	135	16.47	16.49	16.50	16.95	0.0
50	QPSK	270	0	16.52	16.50	16.50	16.95	0.0
50	16QAM	1	1	16.45	16.54	16.39	16.95	0.0
50	64QAM	1	1	16.44	16.51	16.44	16.95	0.0
50	256QAM	1	1	16.47	16.55	16.40	16.95	0.0
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500	2535	2560		
40	QPSK	1	1	16.53	16.53	16.44	16.95	0.0
Channel				508000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.44	16.50	16.48	16.95	0.0
Channel				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.52	16.54	16.49	16.95	0.0
Channel				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.43	16.48	16.50	16.95	0.0
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.53	16.46	16.40	16.95	0.0
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.43	16.54	16.50	16.95	0.0
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.53	16.51	16.43	16.95	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	500000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	17.70	17.77	17.62			
50	QPSK	1	135	17.80	17.85	17.73	18.2	0.0	
50	QPSK	1	268	17.67	17.75	17.67			
50	QPSK	135	0	17.64	17.75	17.62	18.2	0.0	
50	QPSK	135	68	17.70	17.83	17.71	18.2	0.0	
50	QPSK	135	135	17.66	17.71	17.65	18.2	0.0	
50	QPSK	270	0	17.75	17.80	17.70			
50	16QAM	1	1	17.70	17.75	17.68	18.2	0.0	
50	64QAM	1	1	17.64	17.74	17.61	18.2	0.0	
50	256QAM	1	1	17.74	17.74	17.64	18.2	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2624	2635	2646	(dB)		
40	QPSK	1	1	17.65	17.69	17.65	18.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516	2535	2555	(dB)		
30	QPSK	1	1	17.74	17.71	17.67	18.2	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	QPSK	1	1	17.70	17.70	17.64	18.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)		
20	QPSK	1	1	17.69	17.75	17.64	18.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	QPSK	1	1	17.71	17.70	17.62	18.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	17.74	17.74	17.60	18.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	17.65	17.69	17.63	18.2	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	500000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	17.54	17.59	17.53			
50	QPSK	1	135	17.67	17.70	17.63	18.7	0.0	
50	QPSK	1	268	17.53	17.61	17.50			
50	QPSK	135	0	17.61	17.61	17.47	18.7	0.0	
50	QPSK	135	68	17.60	17.68	17.61	18.7	0.0	
50	QPSK	135	135	17.52	17.55	17.52	18.7	0.0	
50	QPSK	270	0	17.63	17.65	17.60			
50	16QAM	1	1	17.51	17.55	17.50	18.7	0.0	
50	64QAM	1	1	17.52	17.55	17.47	18.7	0.0	
50	256QAM	1	1	17.53	17.61	17.49	18.7	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2624	2635	2646	(dB)		
40	QPSK	1	1	17.59	17.58	17.58	18.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516	2535	2555	(dB)		
30	QPSK	1	1	17.67	17.54	17.50	18.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	QPSK	1	1	17.60	17.54	17.52	18.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)		
20	QPSK	1	1	17.55	17.57	17.57	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	QPSK	1	1	17.57	17.54	17.58	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	17.60	17.59	17.55	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	17.57	17.58	17.48	18.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	340000	350000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.73	22.67	22.73			
40	QPSK	1	108	22.80	22.83	22.78	23.45	0.0	
40	QPSK	1	214	22.66	22.70	22.71			
40	QPSK	108	0	22.71	22.78	22.84	23.20	0.3	
40	QPSK	108	54	22.75	22.81	22.75	23.45	0.0	
40	QPSK	108	108	22.64	22.67	22.71	23.20	0.3	
40	QPSK	216	0	22.28	22.44	22.32			
40	16QAM	1	1	22.05	22.14	22.09	23.20	0.3	
40	64QAM	1	1	20.68	20.74	20.62	21.70	1.8	
40	256QAM	1	1	19.21	19.30	19.23	19.70	3.8	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dB)		
30	QPSK	1	1	22.72	22.77	22.73	23.45	0.0	
Channel				344000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dB)		
25	QPSK	1	1	22.68	22.73	22.71	23.45	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dB)		
20	QPSK	1	1	22.65	22.72	22.65	23.45	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1718	1745	1775	(dB)		
15	QPSK	1	1	22.73	22.76	22.69	23.45	0.0	
Channel				341000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1716	1745	1775	(dB)		
10	QPSK	1	1	22.67	22.69	22.67	23.45	0.0	
Channel				340000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	QPSK	1	1	22.71	22.73	22.63	23.45	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000	340000	350000		
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	18.95	18.93	18.90	19.95	0.0
40	QPSK	1	108	19.00	19.05	19.02		
40	QPSK	1	214	18.84	18.89	18.84	19.95	0.0
40	QPSK	108	0	18.91	19.00	18.93		
40	QPSK	108	54	19.00	19.02	19.00	19.95	0.0
40	QPSK	108	108	18.85	18.90	18.84		
40	QPSK	216	0	18.95	19.00	18.88	19.95	0.0
40	16QAM	1	1	18.94	18.93	18.97		
40	64QAM	1	1	18.94	18.91	18.87	19.95	0.0
40	256QAM	1	1	18.89	18.89	18.91		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.86	18.92	18.87	19.95	0.0
Channel				344000	346000	350000		
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dBm)	MPR
25	QPSK	1	1	18.86	18.90	18.82		
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.95	18.92	18.95	19.95	0.0
Channel				345000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR
15	QPSK	1	1	18.94	18.92	18.87		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1776		
10	QPSK	1	1	18.87	18.92	18.92	19.95	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1713.5	1745	1777.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	18.94	18.92	18.87		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	350000		
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	20.08	20.10	20.10	21.2	0.0
40	QPSK	1	108	20.15	20.20	20.17		
40	QPSK	1	214	20.02	20.12	20.09	21.2	0.0
40	QPSK	108	0	20.00	20.11	20.06		
40	QPSK	108	54	20.10	20.18	20.15	21.2	0.0
40	QPSK	108	108	20.01	20.12	20.01		
40	QPSK	216	0	20.11	20.15	20.13	21.2	0.0
40	16QAM	1	1	20.09	20.09	20.09		
40	64QAM	1	1	20.08	20.12	20.02	21.2	0.0
40	256QAM	1	1	19.10	19.17	19.08		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.04	20.10	20.04	21.2	0.0
Channel				344000	346000	350000		
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dBm)	MPR
25	QPSK	1	1	20.03	20.14	20.05		
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.07	20.08	20.11	21.2	0.0
Channel				345000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR
15	QPSK	1	1	20.04	20.14	20.01		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1776		
10	QPSK	1	1	20.00	20.13	20.12	21.2	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1713.5	1745	1777.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	20.05	20.08	20.07		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	18.45	18.48	18.46			
40	QPSK	1	53	18.40	18.42	18.33	18.7	0.0	
40	QPSK	1	104	18.37	18.32	18.30			
40	QPSK	50	0	18.36	18.43	18.30			
40	QPSK	50	26	18.42	18.45	18.43	18.7	0.0	
40	QPSK	50	56	18.33	18.37	18.34			
40	QPSK	100	0	18.38	18.43	18.40	18.7	0.0	
40	16QAM	1	1	18.31	18.35	18.40	18.7	0.0	
40	64QAM	1	1	18.33	18.37	18.35	18.7	0.0	
40	256QAM	1	1	18.31	18.32	18.38	18.7	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.32	18.43	18.39	18.7	0.0	
Channel				518500	519500	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	18.39	18.38	18.35	18.7	0.0	
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.32	18.43	18.33	18.7	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	18.37	18.43	18.32	18.7	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	18.34	18.40	18.35	18.7	0.0	

n38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	20.13	20.35	20.33			
40	QPSK	1	53	20.27	20.20	20.18	20.95	0.0	
40	QPSK	1	104	20.24	20.24	20.21			
40	QPSK	50	0	20.25	20.30	20.23			
40	QPSK	50	26	20.30	20.32	20.28	20.95	0.0	
40	QPSK	50	56	20.17	20.22	20.18			
40	QPSK	100	0	20.28	20.30	20.26	20.95	0.0	
40	16QAM	1	1	20.26	20.28	20.25	20.95	0.0	
40	64QAM	1	1	20.22	20.26	20.17	20.95	0.0	
40	256QAM	1	1	19.29	19.37	19.23	19.70	1.3	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.22	20.26	20.19	20.95	0.0	
Channel				518500	519500	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	20.23	20.25	20.18	20.95	0.0	
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.19	20.28	20.25	20.95	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	20.22	20.22	20.17	20.95	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	20.18	20.27	20.16	20.95	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	19.15	19.33	19.33			
40	QPSK	1	53	19.22	19.28	19.15	20.45	0.0	
40	QPSK	1	104	19.23	19.23	19.19			
40	QPSK	50	0	19.12	19.27	19.17			
40	QPSK	50	26	19.25	19.31	19.23	20.45	0.0	
40	QPSK	50	56	19.21	19.27	19.19			
40	QPSK	100	0	19.25	19.30	19.27	20.45	0.0	
40	16QAM	1	1	19.13	19.19	19.25	20.45	0.0	
40	64QAM	1	1	19.12	19.17	19.17	20.45	0.0	
40	256QAM	1	1	18.78	18.86	18.75	19.70	0.8	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.23	19.19	19.20	20.45	0.0	
Channel				518500	519500	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	19.18	19.18	19.25	20.45	0.0	
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.15	19.24	19.17	20.45	0.0	
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	19.20	19.17	19.19	20.45	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	19.21	19.28	19.15	20.45	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	16.80	16.80	16.78			
100	QPSK	1	137	16.85	16.88	16.83	16.95	0.0	
100	QPSK	1	271	16.78	16.80	16.78			
100	QPSK	135	0	16.73	16.76	16.71			
100	QPSK	135	69	16.84	16.86	16.82	16.95	0.0	
100	QPSK	135	138	16.71	16.79	16.76			
100	QPSK	270	0	16.82	16.83	16.80	16.95	0.0	
100	16QAM	1	1	16.79	16.80	16.73	16.95	0.0	
100	64QAM	1	1	16.74	16.83	16.73	16.95	0.0	
100	256QAM	1	1	16.79	16.78	16.75	16.95	0.0	
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2643.98	(dB)		
90	QPSK	1	1	16.78	16.80	16.76	16.95	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	16.76	16.74	16.70	16.95	0.0	
Channel				505203	518598	531995	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	16.75	16.79	16.70	16.95	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2524.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	16.73	16.73	16.78	16.95	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	16.71	16.77	16.78	16.95	0.0	
Channel				502203	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	16.80	16.80	16.72	16.95	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	16.72	16.81	16.75	16.95	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	16.80	16.75	16.75	16.95	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	16.77	16.76	16.71	16.95	0.0	

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	17.68	17.60	17.55			
100	QPSK	1	137	17.60	17.50	17.38	17.95	0.0	
100	QPSK	1	271	17.62	17.51	17.39			
100	QPSK	135	0	17.60	17.48	17.48			
100	QPSK	135	69	17.65	17.58	17.53	17.95	0.0	
100	QPSK	135	138	17.56	17.46	17.47			
100	QPSK	270	0	17.62	17.56	17.50	17.95	0.0	
100	16QAM	1	1	17.62	17.49	17.41	17.95	0.0	
100	64QAM	1	1	17.56	17.45	17.46	17.95	0.0	
100	256QAM	1	1	17.56	17.54	17.48	17.95	0.0	
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2643.98	(dB)		
90	QPSK	1	1	17.57	17.55	17.43	17.95	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	17.60	17.54	17.41	17.95	0.0	
Channel				505203	518598	531995	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	17.61	17.44	17.50	17.95	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2524.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	17.58	17.52	17.43	17.95	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	17.63	17.58	17.50	17.95	0.0	
Channel				502203	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	17.55	17.55	17.44	17.95	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	17.61	17.46	17.47	17.95	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	17.58	17.55	17.47	17.95	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	17.57	17.52	17.46	17.95	0.0	

FCC_n41_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)	MPR (dB)	
Channel				509502	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	17.91	17.96	18.41			
100	QPSK	1	137	17.89	17.88	18.37	19.0	0.0	
100	QPSK	1	271	18.00	18.02	18.52			
100	QPSK	135	0	17.88	17.88	18.38			
100	QPSK	135	69	17.98	18.01	18.50	19.0	0.0	
100	QPSK	135	138	17.88	17.87	18.44			
100	QPSK	270	0	17.95	18.00	18.47	19.0	0.0	
100	16QAM	1	1	17.91	17.93	18.41	19.0	0.0	
100	64QAM	1	1	17.94	17.91	18.39	19.0	0.0	
100	256QAM	1	1	17.92	17.95	18.47	19.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	17.94	17.88	18.41	19.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	17.88	17.90	18.40	19.0	0.0	
Channel				505203	518598	531995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526.04	2592.99	2659.98	(dB)		
60	QPSK	1	1	17.91	17.96	18.41	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	17.91	17.90	18.47	19.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	17.91	17.89	18.42	19.0	0.0	
Channel				502203	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	17.90	17.94	18.44	19.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	17.92	17.95	18.47	19.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	17.87	17.89	18.38	19.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.01	2592.99	2685	(dB)		
10	QPSK	1	1	17.94	17.97	18.38	19.0	0.0	



Reduced Power Mode for ECI 2 ENDC

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.07	23.13		
20	QPSK	1	53	23.26	23.35	23.22		
20	QPSK	1	104	23.06	23.07	23.03		
20	QPSK	50	0	22.18	22.22	22.20	23.7	1.0
20	QPSK	50	28	23.21	23.25	23.22	24.7	0.0
20	QPSK	50	56	22.16	22.12	22.10	23.7	1.0
20	QPSK	100	0	22.15	22.16	22.15	23.7	1.0
20	64QAM	1	1	21.76	21.84	21.70	23.7	1.0
20	64QAM	1	1	20.41	20.46	20.35	22.2	2.5
20	256QAM	1	1	19.07	19.21	19.12	20.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.95	23.00	23.08	24.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.96	22.98	23.08	24.7	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.67	23.68	23.70		
20	QPSK	1	53	23.81	23.91	23.77		
20	QPSK	1	104	23.62	23.63	23.57		
20	QPSK	50	0	22.74	22.76	22.73	23.7	1.0
20	QPSK	50	28	23.76	23.79	23.76	24.7	0.0
20	QPSK	50	56	22.72	22.71	22.68	23.7	1.0
20	QPSK	100	0	22.74	22.75	22.73	23.7	1.0
20	64QAM	1	1	22.26	22.41	22.26	23.7	1.0
20	64QAM	1	1	20.86	20.94	20.84	22.2	2.5
20	256QAM	1	1	19.64	19.76	19.66	20.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.54	23.61	23.64	24.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.62	23.62	23.62	24.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.52	23.57	23.58	24.7	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506000	507000	508000	25.05	25.05
Frequency (MHz)				2505	2535	2565		
50	QPSK	1	1	15.92	15.94	15.97		
50	QPSK	1	135	16.06	16.10	16.05	16.45	0.0
50	QPSK	1	268	16.01		15.98		
50	QPSK	135	0	15.97	15.95	15.99	16.45	0.0
50	QPSK	135	68	16.07	16.08	16.03	16.45	0.0
50	QPSK	135	135	15.92	16.04	15.96	16.45	0.0
50	QPSK	270	0	16.05	16.06	16.01		
50	64QAM	1	1	15.97	15.96	15.98	16.45	0.0
50	64QAM	1	1	15.94	16.05	15.95	16.45	0.0
50	256QAM	1	1	15.99	16.04	15.89	16.45	0.0
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2509	2535	2560		
40	QPSK	1	1	16.02	15.96	15.90	16.45	0.0
Channel				508000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2565		
30	QPSK	1	1	16.03	16.01	15.97	16.45	0.0
Channel				508000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.97	16.00	15.95	16.45	0.0
Channel				508000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.02	16.00	15.97	16.45	0.0
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.02	16.04	15.95	16.45	0.0
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.96	16.04	15.96	16.45	0.0
Channel				508000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.01	16.03	15.91	16.45	0.0

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	21.98	22.04	21.93			
50	QPSK	1	135	22.13	22.15	22.02	22.45	0.0	
50	QPSK	1	268	21.99	21.99	21.98			
50	QPSK	135	0	22.03	22.03	21.95	22.45	0.0	
50	QPSK	135	68	22.11	22.13	22.01	22.45	0.0	
50	QPSK	135	135	21.97	22.07	21.86	22.45	0.0	
50	QPSK	270	0	22.08	22.10	22.00			
50	16QAM	1	1	21.93	22.02	21.90	22.45	0.0	
50	64QAM	1	1	20.43	20.53	20.38	21.20	1.3	
50	256QAM	1	1	19.19	19.20	19.07	19.20	3.3	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dB)	(dB)	
40	QPSK	1	1	21.98	22.00	21.91	22.45	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dB)	(dB)	
30	QPSK	1	1	21.89	22.00	21.87	22.45	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)	(dB)	
25	QPSK	1	1	22.08	22.07	21.94	22.45	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)	(dB)	
20	QPSK	1	1	22.05	21.99	21.92	22.45	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)	(dB)	
15	QPSK	1	1	22.00	22.00	21.91	22.45	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)	(dB)	
10	QPSK	1	1	22.00	22.04	21.94	22.45	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)	(dB)	
5	QPSK	1	1	22.08	22.09	21.93	22.45	0.0	

n7_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)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	17.99	18.10	18.03			
50	QPSK	1	135	18.15	18.18	18.11	19.2	0.0	
50	QPSK	1	268	18.10	18.02	17.98			
50	QPSK	135	0	18.09	18.03	18.06	19.2	0.0	
50	QPSK	135	68	18.13	18.16	18.10	19.2	0.0	
50	QPSK	135	135	18.01	18.02	17.97	19.2	0.0	
50	QPSK	270	0	18.11	18.14	18.08			
50	16QAM	1	1	18.02	18.09	18.01	19.2	0.0	
50	64QAM	1	1	18.05	18.09	18.04	19.2	0.0	
50	256QAM	1	1	17.85	17.91	17.79	18.7	0.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dB)	(dB)	
40	QPSK	1	1	18.05	18.05	18.01	19.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dB)	(dB)	
30	QPSK	1	1	17.99	18.11	17.99	19.2	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)	(dB)	
25	QPSK	1	1	18.03	18.12	18.06	19.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)	(dB)	
20	QPSK	1	1	18.10	18.11	17.98	19.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)	(dB)	
15	QPSK	1	1	18.03	18.13	18.02	19.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)	(dB)	
10	QPSK	1	1	18.01	18.05	18.01	19.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)	(dB)	
5	QPSK	1	1	18.09	18.02	17.95	19.2	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	19.91	19.98	19.85			
40	QPSK	1	108	20.01	20.03	19.95	20.7	0.0	
40	QPSK	1	214	19.91	19.91	19.90			
40	QPSK	108	0	19.94	19.99	19.90	20.7	0.0	
40	QPSK	108	54	19.98	20.00	19.93	20.7	0.0	
40	QPSK	108	108	19.89	19.87	19.82	20.7	0.0	
40	QPSK	216	0	19.95	19.98	19.91			
40	16QAM	1	1	19.91	19.90	19.89	20.7	0.0	
40	64QAM	1	1	19.89	19.92	19.89	20.7	0.0	
40	256QAM	1	1	19.21	19.30	19.23	19.7	1.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dB)	(dB)	
30	QPSK	1	1	19.91	19.98	19.85	20.7	0.0	
Channel				344000	349000	353900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dB)	(dB)	
25	QPSK	1	1	19.87	19.92	19.84	20.7	0.0	
Channel				344000	349000	354900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dB)	(dB)	
20	QPSK	1	1	19.95	19.90	19.90	20.7	0.0	
Channel				343000	349000	355900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1718	1745	1775	(dB)	(dB)	
15	QPSK	1	1	19.88	19.97	19.84	20.7	0.0	
Channel				343000	349000	356900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1777.5	(dB)	(dB)	
10	QPSK	1	1	19.91	19.98	19.87	20.7	0.0	
Channel				342000	349000	356900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)	
5	QPSK	1	1	19.96	19.93	19.84	20.7	0.0	

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000	340000	340000		
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	23.61	23.46	23.60	24.7	0.0
40	QPSK	1	108	23.64	23.76	23.71		
40	QPSK	1	214	22.61	23.64	23.61		
40	QPSK	108	0	22.64	22.54	22.78	23.7	1.0
40	QPSK	108	54	23.63	23.68	23.63	24.7	0.0
40	QPSK	108	108	22.77	22.69	22.78	23.7	1.0
40	QPSK	216	0	22.58	22.68	22.63		
40	16QAM	1	1	22.23	22.29	22.23	23.7	1.0
40	64QAM	1	1	20.78	20.85	20.78	22.2	2.5
40	256QAM	1	1	19.32	19.43	19.31	20.2	4.5
Channel				340000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1765		
30	QPSK	1	1	23.53	23.31	23.48	24.7	0.0
Channel				344000	346000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.45	23.37	23.53	24.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0
Channel				342500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.53	23.37	23.55	24.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1776		
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.55	23.32	23.44	24.7	0.0

n66_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)	MPR (dB)
Channel				340000	340000	340000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	19.23	19.40	19.32	20.45	0.0
40	QPSK	1	108	19.38	19.45	19.43		
40	QPSK	1	214	19.35	19.32	19.35		
40	QPSK	108	0	19.28	19.33	19.30	20.45	0.0
40	QPSK	108	54	19.39	19.43	19.41	20.45	0.0
40	QPSK	108	108	19.31	19.39	19.31	20.45	0.0
40	QPSK	216	0	19.34	19.42	19.40		
40	16QAM	1	1	19.28	19.33	19.31	20.45	0.0
40	64QAM	1	1	19.27	19.38	19.37	20.45	0.0
40	256QAM	1	1	19.10	19.17	19.08	20.20	0.3
Channel				340000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.30	19.37	19.37	20.45	0.0
Channel				344000	346000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.22	19.32	19.34	20.45	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.32	19.31	19.28	20.45	0.0
Channel				342500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.28	19.40	19.29	20.45	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1776		
10	QPSK	1	1	19.26	19.38	19.35	20.45	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.24	19.31	19.28	20.45	0.0



n38_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				518000	519000	520000	10.95	0.0
Frequency (MHz)				2590	2595	2600		
40	QPSK	1	1	16.57	16.73	16.71		
40	QPSK	1	53	16.60	16.67	16.60	10.95	0.0
40	QPSK	1	104	16.56	16.67	16.55		
40	QPSK	50	0	16.51	16.59	16.62		
40	QPSK	50	26	16.55	16.71	16.70	10.95	0.0
40	QPSK	50	56	16.55	16.62	16.66		
40	QPSK	100	0	16.63	16.70	16.68		
40	16QAM	1	1	16.62	16.67	16.58	16.95	0.0
40	64QAM	1	1	16.57	16.62	16.66	16.95	0.0
40	256QAM	1	1	16.56	16.58	16.62	16.95	0.0
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2265	2295	2305	(dBm)	(dB)
30	QPSK	1	1	16.51	16.64	16.59	10.95	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2562.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	16.62	16.63	16.61	16.95	0.0
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	16.55	16.57	16.60	16.95	0.0
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	16.58	16.67	16.64	16.95	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	16.62	16.68	16.65	16.95	0.0

n38_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				518000	519000	520000	23.7	0.0
Frequency (MHz)				2590	2595	2600		
40	QPSK	1	1	23.05	23.07	23.00		
40	QPSK	1	53	22.98	22.98	22.90	23.7	0.0
40	QPSK	1	104	22.93	22.99	22.85		
40	QPSK	50	0	22.90	23.01	22.87		
40	QPSK	50	26	23.01	23.03	22.96	23.7	0.0
40	QPSK	50	56	22.91	23.00	22.84		
40	QPSK	100	0	22.09	22.17	21.96		
40	16QAM	1	1	22.05	22.18	22.09	23.2	0.5
40	64QAM	1	1	20.67	20.74	20.66	21.7	2.0
40	256QAM	1	1	19.29	19.37	19.23	19.7	4.0
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2265	2295	2305	(dBm)	(dB)
30	QPSK	1	1	22.98	22.97	22.89	23.7	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2562.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	22.92	23.00	22.93	23.7	0.0
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	22.93	22.99	22.88	23.7	0.0
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	22.94	22.96	22.94	23.7	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	22.95	22.99	22.90	23.7	0.0

n38_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)	MPR (dB)
Channel				518000	519000	520000	19.95	0.0
Frequency (MHz)				2590	2595	2600		
40	QPSK	1	1	19.53	19.68	19.55		
40	QPSK	1	53	18.78	18.82	18.70	19.95	0.0
40	QPSK	1	104	18.70	18.74	18.80		
40	QPSK	50	0	18.75	18.81	18.70		
40	QPSK	50	26	19.51	19.66	19.53	19.95	0.0
40	QPSK	50	56	18.70	18.78	18.73		
40	QPSK	100	0	18.80	18.83	18.82		
40	16QAM	1	1	18.76	18.73	18.72	19.95	0.0
40	64QAM	1	1	18.69	18.62	18.69	19.95	0.0
40	256QAM	1	1	18.78	18.86	18.75	19.70	0.3
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2265	2295	2305	(dBm)	(dB)
30	QPSK	1	1	18.70	18.74	18.77	19.95	0.0
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2562.5	2595	2607.5	(dBm)	(dB)
25	QPSK	1	1	18.72	18.81	18.77	19.95	0.0
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	18.69	18.79	18.69	19.95	0.0
Channel				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	18.67	18.78	18.74	19.95	0.0
Channel				516000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	1	18.76	18.75	18.76	18.95	0.0



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	15.98	16.08	16.04			
100	QPSK	1	137	16.11	16.13	16.10	16.2		
100	QPSK	1	271	16.01	16.08	16.05			
100	QPSK	135	0	15.97	16.05	15.98			
100	QPSK	135	69	15.98	16.10	16.05	16.2		
100	QPSK	135	138	15.96	16.02	15.97			
100	QPSK	270	0	16.05	16.08	16.02	16.2		
100	16QAM	1	1	16.06	16.03	15.99	16.2		
100	64QAM	1	1	16.00	16.03	15.98	16.2		
100	256QAM	1	1	15.98	16.02	16.02	16.2		
Channel				509200	518598	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2643.98	(dB)		
90	QPSK	1	1	15.97	15.97	16.03	15.2		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	15.96	15.97	16.05	16.2		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	16.05	16.00	16.03	16.2		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2514.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	16.01	15.98	15.94	16.2		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	15.96	16.00	15.95	16.2		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	16.02	15.98	16.02	16.2		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	16.02	16.05	16.02	16.2		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	16.05	16.04	15.99	16.2		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	15.97	16.04	15.97	16.2		

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.23	22.15	21.99			
100	QPSK	1	137	22.12	22.03	21.74	22.45		
100	QPSK	1	271	22.13	21.99	21.81			
100	QPSK	135	0	22.09	22.07	21.73			
100	QPSK	135	69	22.23	22.15	21.85	22.45		
100	QPSK	135	138	22.14	22.10	21.74			
100	QPSK	270	0	22.21	22.05	21.78	22.45		
100	16QAM	1	1	22.11	22.05	21.83	22.45		
100	64QAM	1	1	20.56	20.96	21.12	21.70		
100	256QAM	1	1	19.23	19.69	19.80	19.70		
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2643.98	(dB)		
90	QPSK	1	1	22.15	21.99	21.73	22.45		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	22.17	21.99	21.83	22.45		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	22.17	22.00	21.74	22.45		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2514.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	22.17	22.08	21.78	22.45		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	22.09	22.09	21.82	22.45		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	22.18	22.09	21.80	22.45		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	22.16	22.05	21.78	22.45		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	22.13	22.02	21.74	22.45		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	22.14	22.03	21.76	22.45		

FCC_n41_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)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	18.14	18.22	18.71			
100	QPSK	1	137	18.17	18.23	18.74	19.2		
100	QPSK	1	271	18.23	18.30	18.81			
100	QPSK	135	0	18.14	18.16	18.66			
100	QPSK	135	69	18.22	18.26	18.78	19.2		
100	QPSK	135	138	18.12	18.16	18.74			
100	QPSK	270	0	18.20	18.25	18.75	19.2		
100	16QAM	1	1	18.18	18.18	18.73	19.2		
100	64QAM	1	1	18.08	18.14	18.68	19.2		
100	256QAM	1	1	18.09	18.17	18.69	19.2		
Channel				506200	518598	538996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	18.15	18.22	18.65	19.2		
Channel				507204	518598	539998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	18.16	18.21	18.76	19.2		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	18.07	18.16	18.65	19.2		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2514.02	2592.99	2643.98	(dB)		
50	QPSK	1	1	18.14	18.18	18.71	19.2		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	18.08	18.25	18.75	19.2		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	18.07	18.20	18.73	19.2		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	18.08	18.23	18.69	19.2		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	18.07	18.19	18.67	19.2		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.03	2592.99	2685	(dB)		
10	QPSK	1	1	18.15	18.20	18.74	19.2		

Reduced Power Mode for ECI 3 ENDC

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				844	846.5	849	
20	QPSK	1	1	23.09	23.07	23.13	24.7
20	QPSK	1	53	23.26	23.35	23.22	0.0
20	QPSK	1	104	23.06	23.07	23.03	
20	QPSK	50	0	22.16	22.22	22.20	23.7
20	QPSK	50	26	23.21	23.25	23.22	0.0
20	QPSK	50	56	22.16	22.12	22.10	23.7
20	QPSK	100	0	22.15	22.16	22.15	23.7
20	16QAM	1	1	21.76	21.84	21.70	23.7
20	16QAM	1	1	20.41	20.46	20.35	22.2
20	256QAM	1	1	19.07	19.21	19.12	20.2
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	(dBm)
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel				165800	167300	166800	Tune-up limit
Frequency (MHz)				829	836.5	844	(dBm)
10	QPSK	1	1	22.98	23.00	23.08	24.7
Channel				165300	167300	165300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	1	22.96	22.98	23.08	24.7

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				844	846.5	849	
20	QPSK	1	1	23.07	23.08	23.70	24.7
20	QPSK	1	53	23.81	23.91	23.77	0.0
20	QPSK	1	104	23.62	23.63	23.57	
20	QPSK	50	0	22.74	22.76	22.73	23.7
20	QPSK	50	26	23.76	23.75	23.76	0.0
20	QPSK	50	56	22.72	22.71	22.68	23.7
20	QPSK	100	0	22.74	22.75	22.73	23.7
20	16QAM	1	1	22.26	22.41	22.26	23.7
20	16QAM	1	1	20.86	20.94	20.84	22.2
20	256QAM	1	1	19.64	19.76	19.66	20.2
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	(dBm)
15	QPSK	1	1	23.04	23.01	23.04	24.7
Channel				165800	167300	166800	Tune-up limit
Frequency (MHz)				829	836.5	844	(dBm)
10	QPSK	1	1	23.02	23.02	23.02	24.7
Channel				165300	167300	165300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	1	23.52	23.57	23.58	24.7

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				505000	507000	509000	
Frequency (MHz)				2495	2495	2495	
50	QPSK	1	1	15.26	15.26	15.12	15.7
50	QPSK	1	135	15.32	15.35	15.28	0.0
50	QPSK	1	268	15.26	15.19	15.14	
50	QPSK	135	0	15.16	15.26	15.20	15.7
50	QPSK	135	66	15.35	15.33	15.25	0.0
50	QPSK	135	135	15.16	15.27	15.21	15.7
50	QPSK	270	0	15.28	15.30	15.23	
50	16QAM	1	1	15.17	15.21	15.23	15.7
50	16QAM	1	1	15.27	15.24	15.12	15.7
50	256QAM	1	1	15.22	15.24	15.16	15.7
Channel				506000	507000	510000	Tune-up limit
Frequency (MHz)				2500	2505	2500	(dBm)
40	QPSK	1	1	15.16	15.25	15.20	15.7
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	QPSK	1	1	15.26	15.23	15.20	15.7
Channel				502000	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	QPSK	1	1	15.27	15.19	15.12	15.7
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	QPSK	1	1	15.20	15.30	15.19	15.7
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
15	QPSK	1	1	15.19	15.27	15.14	15.7
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	1	15.16	15.29	15.17	15.7
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	1	15.25	15.20	15.14	15.7

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	25505	2545			
50	QPSK	1	1	16.21	16.30	16.05	16.7	0.0	
50	QPSK	1	135	16.30	16.40	16.15			
50	QPSK	1	268	16.26	16.35	16.10			
50	QPSK	135	0	16.31	16.28	16.08			
50	QPSK	135	68	16.33	16.37	16.15			
50	QPSK	135	135	16.21	16.34	16.04	16.7	0.0	
50	QPSK	270	0	16.30	16.33	16.13			
50	16QAM	1	1	16.24	16.32	16.09			
50	64QAM	1	1	16.22	16.34	16.06			
50	256QAM	1	1	16.20	16.25	16.13			
Channel				504000	507000	510000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	16.7	0.0	
40	QPSK	1	1	16.25	16.34	16.04	16.7	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.26	16.30	16.11		0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.24	16.31	16.13		0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.24	16.32	16.07		0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.25	16.31	16.04		0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.29	16.33	16.02		0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.23	16.31	16.05		0.0	

n7_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)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	16.36	16.32	16.30	17.45	0.0	
50	QPSK	1	135	16.40	16.47	16.41			
50	QPSK	1	268	16.39	16.33	16.29			
50	QPSK	135	0	16.32	16.35	16.25			
50	QPSK	135	68	16.43	16.45	16.42			
50	QPSK	135	135	16.36	16.38	16.30	17.45	0.0	
50	QPSK	270	0	16.40	16.42	16.38			
50	16QAM	1	1	16.29	16.42	16.30			
50	64QAM	1	1	16.35	16.39	16.30			
50	256QAM	1	1	16.39	16.33	16.29			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	17.45	0.0	
40	QPSK	1	1	16.36	16.31	16.28	17.45	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.30	16.31	16.28		0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.36	16.33	16.32		0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.34	16.31	16.25		0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.32	16.39	16.35		0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.36	16.34	16.34		0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.34	16.35	16.33		0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				349000	349000	350000			
Frequency (MHz)				17.30	17.45	17.60			
40	QPSK	1	1	20.90	20.99	20.86	21.7	0.0	
40	QPSK	1	108	21.02	21.05	20.98			
40	QPSK	1	214	20.88	20.89	20.87			
40	QPSK	108	0	20.95	20.91	20.82			
40	QPSK	108	54	21.00	21.03	20.95			
40	QPSK	108	108	20.95	20.96	20.88	21.7	0.0	
40	QPSK	216	0	20.98	21.01	20.92			
40	16QAM	1	1	20.96	20.96	20.87			
40	64QAM	1	1	19.24	19.36	20.83			
40	256QAM	1	1	19.21	19.30	19.23			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				17.22	17.45	17.65	21.7	0.0	
30	QPSK	1	1	20.90	20.99	20.93	21.7	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				17.22.5	17.45	17.67.5			
25	QPSK	1	1	20.93	20.94	20.83		0.0	
Channel				344000	349000	354000			
Frequency (MHz)				17.20	17.45	17.70			
20	QPSK	1	1	20.97	20.91	20.89		0.0	
Channel				343500	349000	354500			
Frequency (MHz)				17.17.5	17.45	17.75			
15	QPSK	1	1	20.87	21.00	20.93		0.0	
Channel				343000	349000	355000			
Frequency (MHz)				17.15	17.45	17.75			
10	QPSK	1	1	20.97	20.89	20.85		0.0	
Channel				342500	349000	355500			
Frequency (MHz)				17.12.5	17.45	17.77.5			
5	QPSK	1	1	20.88	20.98	20.84		0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000	349000	350000	18.7	0.0
Frequency (MHz)				1724	1745	1760		
40	QPSK	1	1	17.58	17.74	17.59	18.7	0.0
40	QPSK	1	108	17.68	17.80	17.75		
40	QPSK	1	214	17.54	17.64	17.61	18.7	0.0
40	QPSK	108	0	17.90	17.75	17.67		
40	QPSK	108	54	17.95	17.78	17.73	18.7	0.0
40	QPSK	108	108	17.63	17.74	17.67		
40	QPSK	216	0	17.62	17.75	17.71	18.7	0.0
40	16QAM	1	1	17.62	17.71	17.67		
40	64QAM	1	1	17.52	17.71	17.59	18.7	0.0
40	256QAM	1	1	17.58	17.64	17.70		
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1722	1745	1762	18.7	0.0
30	QPSK	1	1	17.60	17.74	17.67		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5	18.7	0.0
25	QPSK	1	1	17.58	17.70	17.63		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	18.7	0.0
20	QPSK	1	1	17.63	17.68	17.69		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1772.5	18.7	0.0
15	QPSK	1	1	17.58	17.72	17.65		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712	1745	1776	18.7	0.0
10	QPSK	1	1	17.60	17.65	17.65		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	18.7	0.0
5	QPSK	1	1	17.52	17.75	17.67		

n66_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)	MPR (dB)
Channel				340000	349000	350000	18.9	0.0
Frequency (MHz)				1724	1745	1760		
40	QPSK	1	1	18.94	19.04	18.99	20.2	0.0
40	QPSK	1	108	18.10	18.20	18.13		
40	QPSK	1	214	18.84	19.05	19.04	20.2	0.0
40	QPSK	108	0	19.06	19.11	19.04		
40	QPSK	108	54	19.05	18.18	19.11	20.2	0.0
40	QPSK	108	108	18.97	18.04	18.98		
40	QPSK	216	0	19.02	19.16	19.09	20.2	0.0
40	16QAM	1	1	18.94	19.14	19.06		
40	64QAM	1	1	19.04	19.15	19.07	20.2	0.0
40	256QAM	1	1	18.94	19.09	19.00		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722	1745	1762	20.2	0.0
30	QPSK	1	1	18.95	19.06	19.01		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5	20.2	0.0
25	QPSK	1	1	18.94	19.05	18.98		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	20.2	0.0
20	QPSK	1	1	18.95	19.05	19.04		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1772.5	20.2	0.0
15	QPSK	1	1	18.98	19.13	19.05		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712	1745	1776	20.2	0.0
10	QPSK	1	1	18.94	19.12	19.04		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	20.2	0.0
5	QPSK	1	1	19.04	19.10	18.97		



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518000	518000	520000			
				2590	2595	2600			
40	QPSK	1	1	16.92	16.98	16.95			
40	QPSK	1	53	16.83	16.84	16.88	17.2	0.0	
40	QPSK	1	104	16.79	16.83	16.89			
40	QPSK	50	0	16.77	16.88	16.83			
40	QPSK	50	28	16.90	16.95	16.93	17.2	0.0	
40	QPSK	50	56	16.80	16.88	16.89			
40	QPSK	100	0	16.89	16.93	16.91	17.2	0.0	
40	16QAM	1	1	16.98	16.84	16.88	17.2	0.0	
40	64QAM	1	1	16.84	16.85	16.79	17.2	0.0	
40	256QAM	1	1	16.82	16.93	16.87	17.2	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	16.87	16.90	16.81	17.2	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	16.96	16.85	16.90	17.2	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	16.85	16.89	16.81	17.2	0.0	
Channel				515000	518000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	16.78	16.83	16.88	17.2	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	16.77	16.90	16.87	17.2	0.0	

n38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	518000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	16.92	16.96	16.95			
40	QPSK	1	53	16.87	16.95	16.85	19.7	0.0	
40	QPSK	1	104	16.92	16.90	16.90			
40	QPSK	50	0	16.89	16.97	16.84			
40	QPSK	50	28	16.91	16.93	16.93	19.7	0.0	
40	QPSK	50	56	16.95	16.99	16.84			
40	QPSK	100	0	16.88	16.91	16.91	19.7	0.0	
40	16QAM	1	1	16.97	16.93	16.84	19.7	0.0	
40	64QAM	1	1	16.97	16.92	16.79	19.7	0.0	
40	256QAM	1	1	16.86	16.93	16.88	19.7	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	16.93	16.90	16.79	19.7	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	16.96	16.90	16.98	19.7	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	16.94	16.95	16.85	19.7	0.0	
Channel				515000	518000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	16.90	16.92	16.84	19.7	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	16.91	16.90	16.81	19.7	0.0	

n38_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)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	17.75	17.83	17.78			
40	QPSK	1	53	17.67	17.70	17.71	18.95	0.0	
40	QPSK	1	104	17.60	17.71	17.64			
40	QPSK	50	0	17.64	17.76	17.65			
40	QPSK	50	28	17.73	17.80	17.75	18.95	0.0	
40	QPSK	50	56	17.61	17.73	17.69			
40	QPSK	100	0	17.71	17.78	17.73	18.95	0.0	
40	16QAM	1	1	17.70	17.67	17.73	18.95	0.0	
40	64QAM	1	1	17.65	17.77	17.73	18.95	0.0	
40	256QAM	1	1	17.64	17.73	17.62	18.95	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	17.64	17.75	17.64	18.95	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	17.68	17.70	17.70	19.95	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	17.59	17.71	17.65	18.95	0.0	
Channel				515000	518000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	17.59	17.77	17.69	18.95	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	17.64	17.76	17.68	18.95	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				500202	518598	526000				
				2548.01	2592.99	2640				
100	QPSK	1	1	15.47	15.47	15.43				
100	QPSK	1	137	15.50	15.63	15.58	15.7	0.0		
100	QPSK	1	271	15.48	15.58	15.42				
100	QPSK	135	0	15.48	15.50	15.49				
100	QPSK	135	69	15.58	15.60	15.56	15.7	0.0		
100	QPSK	270	0	15.56	15.58	15.53	15.7	0.0		
100	16QAM	1	1	15.48	15.55	15.48	15.7	0.0		
100	64QAM	1	1	15.49	15.52	15.42	15.7	0.0		
100	256QAM	1	1	15.54	15.48	15.45	15.7	0.0		
Channel				508200	518598	526998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2641	2692.98	2644.98	(dB)			
90	QPSK	1	1	15.46	15.50	15.50	15.7	0.0		
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2548.02	2592.99	2549.99	(dB)			
80	QPSK	1	1	15.50	15.48	15.44	15.7	0.0		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2596	2592.99	2609.98	(dB)			
60	QPSK	1	1	15.51	15.54	15.44	15.7	0.0		
Channel				525205	518598	532098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2604.98	(dB)			
50	QPSK	1	1	15.50	15.52	15.44	15.7	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2618.01	2592.99	2670	(dB)			
40	QPSK	1	1	15.54	15.52	15.47	15.7	0.0		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98	(dB)			
30	QPSK	1	1	15.48	15.58	15.43	15.7	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.98	(dB)			
20	QPSK	1	1	15.52	15.50	15.52	15.7	0.0		
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2692.48	(dB)			
15	QPSK	1	1	15.54	15.50	15.53	15.7	0.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685	(dB)			
10	QPSK	1	1	15.49	15.58	15.52	15.7	0.0		

FCC_n41_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				500202	518598	526000				
				2548.01	2592.99	2640				
100	QPSK	1	1	16.45	16.36	16.05				
100	QPSK	1	137	16.39	16.25	15.99	16.7	0.0		
100	QPSK	1	271	16.33	16.21	15.90				
100	QPSK	135	0	16.29	16.26	15.92				
100	QPSK	135	69	16.42	16.33	16.02	16.7	0.0		
100	QPSK	135	138	16.35	16.24	15.98				
100	QPSK	270	0	16.38	16.30	16.00	16.7	0.0		
100	16QAM	1	1	16.29	16.27	15.93	16.7	0.0		
100	64QAM	1	1	16.35	16.28	15.96	16.7	0.0		
100	256QAM	1	1	16.33	16.27	15.98	16.7	0.0		
Channel				508200	518598	526998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2641	2692.98	2644.98	(dBm)			
90	QPSK	1	1	16.34	16.31	15.96	16.7	0.0		
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2548.02	2592.99	2549.99	(dBm)			
80	QPSK	1	1	16.30	16.25	16.00	16.7	0.0		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2596	2592.99	2609.98	(dBm)			
60	QPSK	1	1	16.29	16.24	15.94	16.7	0.0		
Channel				525205	518598	532098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2604.98	(dBm)			
50	QPSK	1	1	16.34	16.21	15.96	16.7	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2618.01	2592.99	2670	(dBm)			
40	QPSK	1	1	16.36	16.27	15.97	16.7	0.0		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98	(dBm)			
30	QPSK	1	1	16.38	16.21	15.96	16.7	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.98	(dBm)			
20	QPSK	1	1	16.29	16.24	15.91	16.7	0.0		
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2692.48	(dBm)			
15	QPSK	1	1	16.37	16.25	15.90	16.7	0.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685	(dBm)			
10	QPSK	1	1	16.29	16.20	15.98	16.7	0.0		

FCC_n41_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)	MPR (dB)		
Channel										
Frequency (MHz)				500202	518598	528000				
				2548.01	2592.99	2640				
100	QPSK	1	1	16.60	16.70	17.20				
100	QPSK	1	137	16.62	16.70	17.20	17.7	0.0		
100	QPSK	1	271	16.73	16.73	17.28				
100	QPSK	135	0	16.58	16.65	17.14				
100	QPSK	135	69	16.70	16.73	17.25	17.7	0.0		
100	QPSK	135	138	16.60	16.62	17.22				
100	QPSK	270	0	16.68	16.73	17.23	17.7	0.0		
100	16QAM	1	1	16.60	16.73	17.21	17.7	0.0		
100	64QAM	1	1	16.61	16.65	17.18	17.7	0.0		
100	256QAM	1	1	16.68	16.62	17.14	17.7	0.0		
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2641	2692.98	2644.98	(dB)			
90	QPSK	1	1	16.59	16.70	17.16	17.7	0.0		
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2548.02	2592.99	2549.99	(dB)			
80	QPSK	1	1	16.58	16.73	17.12	17.7	0.0		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2596	2592.99	2609.98	(dB)			
60	QPSK	1	1	16.62	16.65	17.14	17.7	0.0		
Channel				525205	518598	532098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2604.98	(dB)			
50	QPSK	1	1	16.62	16.68	17.23	17.7	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670	(dB)			
40	QPSK	1	1	16.62	16.72	17.16	17.7	0.0		
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98	(dB)			
30	QPSK	1	1	16.64	16.73	17.17	17.7	0.0		
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.99	2592.99	2678.99	(dB)			
20	QPSK	1	1	16.61	16.68	17.12	17.7	0.0		
Channel				500200	518598	538498	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)			
15	QPSK	1	1	16.65	16.66	17.10	17.7	0.0		
Channel				500200	518598	540000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685	(dB)			
10	QPSK	1	1	16.66	16.71	17.16	17.7	0.0		



Reduced Power Mode for ECI 4 ENDC

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.07	23.13		
20	QPSK	1	53	23.26	23.35	23.22	24.7	0.0
20	QPSK	1	104	23.06	23.07	23.03		
20	QPSK	50	0	22.18	22.22	22.20	23.7	1.0
20	QPSK	50	28	23.21	23.25	23.22	24.7	0.0
20	QPSK	50	56	22.16	22.12	22.10	23.7	1.0
20	QPSK	100	0	22.15	22.16	22.15	23.7	1.0
20	16QAM	1	1	21.78	21.84	21.70	23.7	1.0
20	64QAM	1	1	20.41	20.46	20.35	22.2	2.5
20	256QAM	1	1	19.07	19.21	19.12	20.2	4.5
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.85	23.00	23.08	24.7	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.96	22.98	23.08	24.7	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.26	23.29	23.19		
20	QPSK	1	53	23.33	23.44	23.30	24.2	0.0
20	QPSK	1	104	23.17	23.29	23.15		
20	QPSK	50	0	23.25	23.33	23.20	23.7	0.5
20	QPSK	50	28	23.31	23.42	23.28	24.2	0.0
20	QPSK	50	56	23.23	23.29	23.18	23.7	0.5
20	QPSK	100	0	22.74	22.75	22.73	23.7	0.5
20	16QAM	1	1	22.28	22.41	22.26	23.7	0.5
20	64QAM	1	1	20.86	20.94	20.84	22.2	2.0
20	256QAM	1	1	19.84	19.76	19.66	20.2	4.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.22	23.32	23.23	24.2	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.25	23.35	23.24	24.2	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.28	23.34	23.14	24.2	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	508000		
Frequency (MHz)				2505	2535	2545		
50	QPSK	1	1	13.28	13.33	13.19		
50	QPSK	1	135	13.35	13.38	13.28	13.7	0.0
50	QPSK	1	268	13.20	13.28	13.16		
50	QPSK	135	0	13.22	13.25	13.12	13.7	0.0
50	QPSK	135	68	13.33	13.36	13.26	13.7	0.0
50	QPSK	135	135	13.19	13.22	13.18	13.7	0.0
50	QPSK	270	0	13.31	13.33	13.23		
50	16QAM	1	1	13.30	13.26	13.20	13.7	0.0
50	64QAM	1	1	13.36	13.27	13.15	13.7	0.0
50	256QAM	1	1	13.27	13.24	13.19	13.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500	2535	2560		
40	QPSK	1	1	13.23	13.30	13.22	13.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	13.22	13.28	13.17	13.7	0.0
Channel				502000	507000	515000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	13.28	13.23	13.19	13.7	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	13.21	13.23	13.14	13.7	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.30	13.30	13.21	13.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.28	13.31	13.20	13.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.25	13.28	13.15	13.7	0.0

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	507000	500000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	19.21	19.25	19.06			
50	QPSK	1	135	19.30	19.40	19.15	19.7	0.0	
50	QPSK	1	268	19.26	19.26	19.06			
50	QPSK	135	0	19.27	19.25	19.02	19.7	0.0	
50	QPSK	135	68	19.34	19.38	19.13	19.7	0.0	
50	QPSK	135	135	19.22	19.26	19.08	19.7	0.0	
50	QPSK	270	0	19.32	19.35	19.11			
50	16QAM	1	1	19.30	19.30	19.05	19.7	0.0	
50	64QAM	1	1	19.25	19.26	19.01	19.7	0.0	
50	256QAM	1	1	19.69	19.00	18.87	19.2	0.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2624	2635	2646	(dB)		
40	QPSK	1	1	19.25	19.24	19.06	19.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516	2535	2555	(dB)		
30	QPSK	1	1	19.20	19.35	19.08	19.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	QPSK	1	1	19.22	19.32	19.03	19.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)		
20	QPSK	1	1	19.26	19.30	19.02	19.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	QPSK	1	1	19.31	19.35	19.02	19.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	19.30	19.32	19.03	19.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	19.28	19.29	19.04	19.7	0.0	

n7_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)	MPR (dB)	
Channel				500000	507000	500000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	15.57	15.58	15.52			
50	QPSK	1	135	15.66	15.70	15.63	16.7	0.0	
50	QPSK	1	268	15.56	15.60	15.58			
50	QPSK	135	0	15.51	15.65	15.51	16.7	0.0	
50	QPSK	135	68	15.63	15.67	15.61	16.7	0.0	
50	QPSK	135	135	15.58	15.59	15.51	16.7	0.0	
50	QPSK	270	0	15.61	15.63	15.60			
50	16QAM	1	1	15.60	15.63	15.50	16.7	0.0	
50	64QAM	1	1	15.52	15.59	15.58	16.7	0.0	
50	256QAM	1	1	15.52	15.56	15.49	16.7	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2624	2635	2646	(dB)		
40	QPSK	1	1	15.55	15.56	15.58	16.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516	2535	2555	(dB)		
30	QPSK	1	1	15.54	15.63	15.50	16.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dB)		
25	QPSK	1	1	15.53	15.65	15.48	16.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dB)		
20	QPSK	1	1	15.57	15.57	15.51	16.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	QPSK	1	1	15.61	15.64	15.52	16.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dB)		
10	QPSK	1	1	15.55	15.63	15.50	16.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	QPSK	1	1	15.60	15.55	15.52	16.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	340000	350000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.42	17.42	17.30			
40	QPSK	1	108	17.50	17.53	17.43	18.2	0.0	
40	QPSK	1	216	17.40	17.39	17.34			
40	QPSK	108	0	17.34	17.41	17.33	18.2	0.0	
40	QPSK	108	54	17.40	17.51	17.41	18.2	0.0	
40	QPSK	108	108	17.36	17.46	17.34	18.2	0.0	
40	QPSK	216	0	17.45	17.48	17.40			
40	16QAM	1	1	17.45	17.41	17.27	18.2	0.0	
40	64QAM	1	1	17.39	17.37	17.33	18.2	0.0	
40	256QAM	1	1	17.43	17.46	17.29	18.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dB)		
30	QPSK	1	1	17.36	17.46	17.37	18.2	0.0	
Channel				344000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dB)		
25	QPSK	1	1	17.45	17.57	17.20	18.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dB)		
20	QPSK	1	1	17.34	17.41	17.36	18.2	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dB)		
15	QPSK	1	1	17.42	17.41	17.32	18.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1716	1745	1775	(dB)		
10	QPSK	1	1	17.40	17.41	17.38	18.2	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	QPSK	1	1	17.35	17.42	17.37	18.2	0.0	

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000	340000	350000	24.7	0.0
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	23.61	23.48	23.60	24.7	0.0
40	QPSK	1	108	23.64	23.76	23.71		
40	QPSK	1	214	23.61	23.64	23.61	23.7	1.0
40	QPSK	108	0	22.64	22.54	22.78		
40	QPSK	108	54	23.63	23.68	23.63	24.7	0.0
40	QPSK	108	108	22.77	22.69	22.78		
40	QPSK	216	0	22.58	22.68	22.63	23.7	1.0
40	16QAM	1	1	22.23	22.29	22.23		
40	64QAM	1	1	20.78	20.85	20.76	22.2	2.5
40	256QAM	1	1	19.32	19.43	19.31		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1724	1745	1765		
30	QPSK	1	1	23.53	23.31	23.48	24.7	0.0
Channel				344000	346000	350000		
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dBm)	MPR
25	QPSK	1	1	23.45	23.37	23.53		
Channel				346000	348000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0
Channel				347000	349000	350000		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR
15	QPSK	1	1	23.53	23.37	23.55		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1779		
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1713.5	1745	1777.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	23.55	23.32	23.44		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	350000	18.2	0.0
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	16.95	17.13	17.04	18.2	0.0
40	QPSK	1	108	17.10	17.20	17.13		
40	QPSK	1	214	17.02	17.13	17.08	18.2	0.0
40	QPSK	108	0	16.97	17.08	16.99		
40	QPSK	108	54	17.09	17.18	17.11	18.2	0.0
40	QPSK	108	108	17.02	17.12	17.06		
40	QPSK	216	0	17.05	17.16	17.09	18.2	0.0
40	16QAM	1	1	17.02	17.11	17.01		
40	64QAM	1	1	16.98	17.10	17.01	18.2	0.0
40	256QAM	1	1	17.00	17.06	17.07		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1724	1745	1765		
30	QPSK	1	1	17.01	17.08	17.07	18.2	0.0
Channel				344000	346000	350000		
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dBm)	MPR
25	QPSK	1	1	16.94	17.13	17.00		
Channel				346000	348000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.05	17.14	16.97	18.2	0.0
Channel				347000	349000	350000		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR
15	QPSK	1	1	16.98	17.08	17.08		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1779		
10	QPSK	1	1	17.02	17.13	17.09	18.2	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1713.5	1745	1777.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	17.04	17.10	16.97		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2595	2595	2600			
40	QPSK	1	1	13.93	13.98	13.95	14.2	0.0	
40	QPSK	1	53	13.83	13.92	13.83			
40	QPSK	1	104	13.85	13.83	13.87			
40	QPSK	50	0	13.84	13.84	13.90	14.2	0.0	
40	QPSK	50	28	13.90	13.95	13.93			
40	QPSK	50	56	13.83	13.92	13.87			
40	QPSK	100	0	13.88	13.92	13.90	14.2	0.0	
40	16QAM	1	1	13.81	13.82	13.85	14.2	0.0	
40	64QAM	1	1	13.77	13.89	13.86	14.2	0.0	
40	256QAM	1	1	13.86	13.88	13.87	14.2	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595	2595	2605			
30	QPSK	1	1	13.80	13.84	13.90	14.2	0.0	
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	13.93	13.98	13.91	14.2	0.0	
Channel				519200	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	13.77	13.85	13.82	14.2	0.0	
Channel				519500	519000	520500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	13.81	13.86	13.85	14.2	0.0	
Channel				519000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	13.87	13.93	13.88	14.2	0.0	

n38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2595	2595	2600			
40	QPSK	1	1	20.53	20.55	20.43	21.2	0.0	
40	QPSK	1	53	20.42	20.49	20.37			
40	QPSK	1	104	20.37	20.46	20.36			
40	QPSK	50	0	20.41	20.41	20.28	21.2	0.0	
40	QPSK	50	28	20.51	20.53	20.41			
40	QPSK	50	56	20.39	20.45	20.37			
40	QPSK	100	0	20.48	20.50	20.40	21.2	0.0	
40	16QAM	1	1	20.41	20.39	20.32	21.2	0.0	
40	64QAM	1	1	20.43	20.45	20.29	21.2	0.0	
40	256QAM	1	1	19.29	19.37	19.23	19.7	1.5	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595	2595	2605			
30	QPSK	1	1	20.42	20.40	20.34	21.2	0.0	
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	20.47	20.43	20.30	21.2	0.0	
Channel				519200	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.47	20.40	20.33	21.2	0.0	
Channel				519500	519000	520500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5 <td>2595</td> <td>2612.5</td> <th colspan="3"></th>	2595	2612.5			
15	QPSK	1	1	20.40	20.43	20.38	21.2	0.0	
Channel				519000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575 <td>2595</td> <td>2615</td> <th colspan="3"></th>	2595	2615			
10	QPSK	1	1	20.58	20.49	20.37	21.2	0.0	

n38_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)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2595	2595	2600			
40	QPSK	1	1	15.98	16.08	16.02	17.2	0.0	
40	QPSK	1	53	15.86	15.97	15.87			
40	QPSK	1	104	15.86	15.97	15.93			
40	QPSK	50	0	15.85	15.94	15.91	17.2	0.0	
40	QPSK	50	28	15.95	16.06	16.01			
40	QPSK	50	56	15.82	15.99	15.90			
40	QPSK	100	0	15.93	16.03	16.00	17.2	0.0	
40	16QAM	1	1	15.86	16.03	15.86	17.2	0.0	
40	64QAM	1	1	15.89	16.02	15.87	17.2	0.0	
40	256QAM	1	1	15.88	15.96	15.87	17.2	0.0	
Channel				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595	2595	2605			
30	QPSK	1	1	15.87	15.99	15.95	17.2	0.0	
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	15.86	15.97	15.86	17.2	0.0	
Channel				519200	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	15.92	15.92	15.89	17.2	0.0	
Channel				519500	519000	520500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	15.85	15.92	15.93	17.2	0.0	
Channel				519000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	15.92	15.96	15.96	17.2	0.0	



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2544.03	2569.99	2600			
100	QPSK	1	1	13.43	13.51	13.51			
100	QPSK	1	137	13.58	13.61	13.56	13.7	0.0	
100	QPSK	1	271	13.49	13.56	13.40			
100	QPSK	136	0	13.43	13.50	13.45			
100	QPSK	136	69	13.58	13.60	13.53	13.7	0.0	
100	QPSK	136	136	13.49	13.56	13.46			
100	QPSK	270	0	13.53	13.58	13.51	13.7	0.0	
100	8QAM	1	1	13.46	13.45	13.40	13.7	0.0	
100	8QAM	1	1	13.47	13.54	13.44	13.7	0.0	
100	256QAM	1	1	13.50	13.49	13.41	13.7	0.0	
Channel				508200	518598	528999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2604.99	(dB)		
90	QPSK	1	1	13.52	13.45	13.49	13.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2604.99	(dB)		
80	QPSK	1	1	13.42	13.46	13.50	13.7	0.0	
Channel				502200	518598	531999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2562.99	2609.98	(dB)		
60	QPSK	1	1	13.49	13.51	13.43	13.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2604.98	(dB)		
50	QPSK	1	1	13.45	13.46	13.44	13.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2610	(dB)		
40	QPSK	1	1	13.44	13.55	13.45	13.7	0.0	
Channel				502200	518598	534999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2614.98	(dB)		
30	QPSK	1	1	13.46	13.51	13.47	13.7	0.0	
Channel				501200	518598	535999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2619.98	(dB)		
20	QPSK	1	1	13.43	13.45	13.42	13.7	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2569.99	2602.48	(dB)		
15	QPSK	1	1	13.49	13.54	13.41	13.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dB)		
10	QPSK	1	1	13.51	13.50	13.43	13.7	0.0	

FCC_n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2544.03	2569.99	2600			
100	QPSK	1	1	19.68	19.63	19.12			
100	QPSK	1	137	19.57	19.52	18.96	19.95	0.0	
100	QPSK	1	271	19.58	19.56	18.98			
100	QPSK	136	0	19.63	19.50	19.05			
100	QPSK	136	69	19.65	19.60	19.11	19.95	0.0	
100	QPSK	136	136	19.63	19.56	19.06			
100	QPSK	270	0	19.63	19.58	19.08	19.95	0.0	
100	8QAM	1	1	19.63	19.52	19.02	19.95	0.0	
100	8QAM	1	1	19.56	19.56	18.96	19.95	0.0	
100	256QAM	1	1	19.54	19.55	19.00	19.70	0.3	
Channel				508200	518598	528999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2604.99	(dB)		
90	QPSK	1	1	19.53	19.58	19.02	19.95	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2604.99	(dB)		
80	QPSK	1	1	19.54	19.49	18.96	19.95	0.0	
Channel				502200	518598	531999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2562.99	2609.98	(dB)		
60	QPSK	1	1	19.60	19.54	19.06	19.95	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2604.98	(dB)		
50	QPSK	1	1	19.56	19.54	19.04	19.95	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2610	(dB)		
40	QPSK	1	1	19.58	19.47	19.05	19.95	0.0	
Channel				502200	518598	534999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2614.98	(dB)		
30	QPSK	1	1	19.52	19.47	18.97	19.95	0.0	
Channel				501200	518598	535999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2619.98	(dB)		
20	QPSK	1	1	19.52	19.57	18.97	19.95	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2569.99	2602.48	(dB)		
15	QPSK	1	1	19.62	19.57	19.01	19.95	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dB)		
10	QPSK	1	1	19.59	19.50	18.99	19.95	0.0	

FCC_n41_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)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2544.01	2569.99	2600			
100	QPSK	1	1	15.66	15.69	16.17			
100	QPSK	1	137	15.58	15.66	16.20	16.7	0.0	
100	QPSK	1	271	15.72	15.80	16.31			
100	QPSK	136	0	15.67	15.72	16.22			
100	QPSK	136	69	15.70	15.76	16.28	16.7	0.0	
100	QPSK	136	136	15.61	15.74	16.17			
100	QPSK	270	0	15.67	15.75	16.25	16.7	0.0	
100	16QAM	1	1	15.67	15.71	16.16	16.7	0.0	
100	64QAM	1	1	15.65	15.75	16.17	16.7	0.0	
100	256QAM	1	1	15.66	15.65	16.20	16.7	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2604.98	(dB)		
90	QPSK	1	1	15.61	15.69	16.22	16.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2604.99	(dB)		
80	QPSK	1	1	15.65	15.64	16.26	16.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2562.99	2609.98	(dB)		
60	QPSK	1	1	15.60	15.71	16.23	16.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2604.99	(dB)		
50	QPSK	1	1	15.57	15.65	16.21	16.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2610	(dB)		
40	QPSK	1	1	15.63	15.64	16.25	16.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2614.98	(dB)		
30	QPSK	1	1	15.57	15.65	16.16	16.7	0.0	
Channel				501200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2619.98	(dB)		
20	QPSK	1	1	15.61	15.64	16.21	16.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2602.48	(dB)		
15	QPSK	1	1	15.63	15.69	16.17	16.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.91	2562.99	2605	(dB)		
10	QPSK	1	1	15.62	15.73	16.17	16.7	0.0	

WIFI&BT Power

<WLAN 2.4GHz>														Duty Cycle %		
2.4GHz WLAN				Full	Head Standalone	Head Simultaneous WWAN+2.4G		Body&Extremity Standalone		Hotspot on&Body&Extremity Simultaneous WWAN+2.4G						
Mode	Channel	Frequency (MHz)	RU Config	Act 10		Average power (dBm)	Act 10		Act 10		Act 10		Duty Cycle %			
				Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
2.4GHz WLAN	802.11b 6Mbps	1	2412	Full	14.38	16.00	14.38	16.00	11.88	13.50	14.38	16.00	99.92			
		6	2437	Full	13.33	15.00	13.33	15.00	11.88	13.50	13.33	15.00				
		11	2462	Full	14.70	16.00	14.70	16.00	12.20	13.50	14.70	16.00				
	802.11g 6Mbps	1	2412	Full	14.60	16.00	15.00	16.00	13.50	15.00	15.00	16.00	97.20			
		6	2437	Full	17.00	19.00	18.00	19.00	13.50	15.00	18.00	19.00				
		11	2462	Full	17.01	19.00	18.00	19.00	13.50	15.00	18.00	19.00				
	802.11n-HT20 MCS0	5	2437	Full	17.14	19.00	18.00	19.00	13.50	15.00	18.00	19.00	96.23			
		11	2462	Full	13.11	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
		3	2422	Full	14.40	16.00	15.00	16.00	13.50	15.00	15.00	16.00				
	802.11n-HT40 MCS0	6	2437	Full	16.59	18.00	18.00	18.00	13.50	15.00	18.00	18.00	91.38			
		9	2452	Full	12.86	14.00	14.00	14.00	13.50	14.00	14.00	14.00				
		1	2412	Full	15.91	17.00	17.00	17.00	13.50	15.00	17.00	17.00				
	802.11ac-VHT20 MCS0	6	2437	Full	17.09	19.00	18.00	19.00	13.50	15.00	18.00	19.00	96.23			
		11	2462	Full	15.91	17.00	17.00	17.00	13.50	15.00	17.00	17.00				
		11	2462	Full	13.11	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
	802.11ac-VHT40 MCS0	6	2437	Full	16.62	18.00	18.00	18.00	13.50	15.00	18.00	18.00	91.38			
		7	2442	Full	13.11	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
		8	2447	Full	13.12	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
	802.11ac-VHT80 MCS0	9	2452	Full	15.77	17.00	17.00	17.00	13.50	15.00	17.00	17.00	96.23			
		10	2457	Full	16.70	18.00	18.00	18.00	13.50	15.00	18.00	18.00				
		11	2462	20/53	16.01	17.48	17.48	17.48	13.50	15.00	17.48	17.48				
	802.11ax-HE20 MCS0	11	2462	20/53	15.57	17.00	17.00	17.00	13.50	15.00	17.00	17.00	96.23			
		11	2462	20/53	15.57	17.00	17.00	17.00	13.50	15.00	17.00	17.00				
		11	2462	10/53.4	16.75	18.00	18.00	18.00	13.50	15.00	18.00	18.00				
	802.11ax-HE40 MCS0	3	2422	Full	14.43	16.00	15.00	16.00	13.50	15.00	15.00	16.00	91.38			
		6	2437	Full	16.67	18.00	18.00	18.00	13.50	15.00	18.00	18.00				
		7	2442	Full	13.12	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
	802.11ax-HE80 MCS0	8	2447	Full	13.15	15.00	15.00	15.00	13.50	15.00	15.00	15.00	91.38			
		9	2452	Full	13.08	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
		9	2452	Full	13.08	15.00	15.00	15.00	13.50	15.00	15.00	15.00				
		<WLAN 5GHz>														
		5.2GHz WLAN				Full	Head Standalone Simultaneous 5G+BT	Head Simultaneous WWAN+5G+BT	Body&Extremity Standalone Simultaneous 5G+BT		Hotspot on&Body&Extremity Simultaneous WWAN+5G+BT			Duty Cycle %		
Mode		Channel	Frequency (MHz)	RU Config	Act 10		Average power (dBm)	Act 10		Act 10		Act 10		Duty Cycle %		
					Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)			Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	17.19	19.00	15.00	16.00	10.50	15.00	14.50	14.50	96.53			
		40	5200	Full	17.08	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		44	5240	Full	17.28	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11n-HT20 MCS0	36	5180	Full	17.10	19.00	15.00	16.00	10.50	15.00	Not Required	14.50	96.19			
		40	5200	Full	17.05	19.00	15.00	16.00	10.50	15.00	Not Required	14.50				
		44	5240	Full	17.59	19.00	15.00	16.00	10.50	15.00	Not Required	14.50				
	802.11n-HT40 MCS0	36	5180	Full	14.17	16.00	13.15	15.00	10.50	13.15	15.00	12.67	93.10			
		40	5200	Full	17.66	19.00	13.15	16.00	10.50	13.15	16.00	12.64				
		44	5240	Full	17.01	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ac-VHT20 MCS0	40	5200	Full	16.98	18.00	15.00	16.00	10.50	15.00	15.00	14.50	96.19			
		44	5220	Full	17.33	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		48	5240	Full	17.14	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ac-VHT40 MCS0	38	5190	Full	14.15	16.00	15.00	16.00	10.50	15.00	15.00	14.50	93.10			
		46	5230	Full	17.89	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		42	5210	Full	11.08	13.00	13.00	13.00	8.88	10.50	13.00	14.00				
	802.11ac-VHT80 MCS0	42	5210	Full	17.20	19.00	15.00	16.00	10.50	15.00	15.00	14.50	87.88			
		42	5210	Full	17.20	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		42	5210	20/53	13.01	15.00	15.00	16.00	10.50	15.00	Not Required	14.50				
	802.11ax-HE20 MCS0	36	5180	20/53	16.15	18.00	15.00	16.00	10.50	15.00	15.00	14.50	96.19			
		44	5220	20/53	16.31	18.00	15.00	16.00	10.50	15.00	15.00	14.50				
		40	5200	Full	17.12	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ax-HE40 MCS0	44	5240	Full	17.48	19.00	15.00	16.00	10.50	15.00	15.00	14.50	93.10			
		48	5240	Full	17.29	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		38	5190	Full	14.20	16.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ax-HE80 MCS0	46	5230	Full	17.71	19.00	15.00	16.00	10.50	15.00	15.00	14.50	87.88			
		42	5210	Full	11.11	13.00	13.00	13.00	10.50	13.00	13.00	14.00				
		42	5210	Full	11.11	13.00	13.00	13.00	10.50	13.00	13.00	14.00				
5.3GHz WLAN																
5.3GHz WLAN				Full	Head Standalone Simultaneous 5G+BT	Head Simultaneous WWAN+5G+BT	Body&Extremity Standalone Simultaneous 5G+BT		Body&Extremity Simultaneous WWAN+5G+BT			Duty Cycle %				
Mode	Channel	Frequency (MHz)	RU Config	Act 10		Average power (dBm)	Act 10		Act 10		Act 10		Duty Cycle %			
				Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.3GHz WLAN	802.11a 6Mbps	62	5260	Full	17.19	19.00	15.00	16.00	10.50	15.00	14.50	14.50	96.53			
		66	5280	Full	17.09	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		60	5200	Full	17.20	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11n-HT20 MCS0	64	5320	Full	17.18	19.00	15.00	16.00	10.50	15.00	Not Required	14.50	96.19			
		66	5280	Full	17.23	19.00	15.00	16.00	10.50	15.00	Not Required	14.50				
		60	5200	Full	17.11	19.00	15.00	16.00	10.50	15.00	Not Required	14.50				
	802.11n-HT40 MCS0	64	5320	Full	17.15	19.00	13.10	15.00	10.50	13.10	15.00	12.61	93.10			
		62	5310	Full	16.12	18.00	13.08	15.00	10.50	13.08	15.00	12.60				
		66	5280	Full	17.20	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ac-VHT20 MCS0	66	5280	Full	17.08	19.00	15.00	16.00	10.50	15.00	15.00	14.50	96.19			
		66	5280	Full	17.08	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		66	5280	Full	17.08	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ac-VHT40 MCS0	64	5320	Full	17.09	19.00	15.00	16.00	10.50	15.00	15.00	14.50	93.10			
		64	5270	Full	17.61	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		62	5310	Full	16.09	18.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ac-VHT80 MCS0	58	5290	Full	12.43	14.00	14.00	14.00	8.89	10.50	14.00	14.00	87.88			
		52	5250	Full	17.31	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		56	5260	Full	17.24	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ax-HE20 MCS0	60	5300	Full	17.30	19.00	15.00	16.00	10.50	15.00	15.00	14.50	96.19			
		60	5300	Full	17.29	19.00	15.00	16.00	10.50	15.00	15.00	14.50				
		64	5320	20/53	16.38	18.00	15.00	16.00	10.50	15.00	15.00	14.50				
	802.11ax-HE40 MCS0	64	5320	Full	17.68	19.00	15.00	16.00	10.50	15.00	15.00	14.50	93.10			
		62	5310	Full	16.19	18.00	15.00	16.00	10.50	15.00	15.00	14.50				
		58	5290	Full	12.45	14.00	14.00	14.00	8.99	10.50	14.00	14.00				
	5.5GHz WLAN															
	5.5GHz WLAN				Full	Head Standalone Simultaneous 5G+BT	Head Simultaneous WWAN+5G+BT	Body&Extremity Standalone Simultaneous 5G+BT		Body&Extremity Simultaneous WWAN+5G+BT			Duty Cycle %			
	Mode	Channel	Frequency (MHz)	RU Config	Act 10		Average power (dBm)	Act 10		Act 10		Act 10		Duty Cycle %		
Average power (dBm)					Tune-Up Limit	Average power (dBm)		Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.5GHz WLAN	802.11a 6Mbps	100	5550	Full	16.74	18.50	14.50	15.00	10.00	14.00	13.50	13.50	96.53			
		124	5610	Full	17.16	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
		132	5660	Full	17.16	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
	802.11n-HT20 MCS0	100	5550	Full	16.86	18.50	14.50	15.00	10.00	14.00	14.00	13.50	96.19			
		116	5580	Full	17.50	19.00	14.00	15.00	10.00	14.00	14.00	13.50				
		124	5610	Full	17.17	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
	802.11n-HT40 MCS0	100	5550	Full	17.08	19.00	14.50	15.00	10.00	14.00	14.00	13.50	93.10			
		116	5580	Full	17.16	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
		124	5610	Full	17.16	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
	802.11ac-VHT20 MCS0	100	5550	Full	16.72	18.50	14.50	15.00	10.00	14.00	14.00	13.50	96.19			
		102	5570	Full	17.80	19.50	14.50	15.00	10.00	14.00	14.00	13.50				
		126	5630	Full	17.17	19.00	14.50	15.00	10.00	14.00	14.00	13.50				
	802.11ac-VHT40 MCS0	116	5580	Full	17.42	19.00	14.50	15.00	10.00	14.00	14.00	13.50	93.10			
		1														

<Bluetooth>			Art 10					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 39	2402	14.00	16.00	12.30	16.00	12.30	16.00
	CH 39	2441	15.10	16.00	12.40	16.00	12.50	16.00
	CH 78	2480	15.00	16.00	13.30	16.00	12.40	16.00

			Art 10		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	6.10	6.20	6.10
	CH 19	2440	6.60	6.70	6.60
	CH 39	2480	6.10	6.30	6.20
	Tune-up Limit		9	9	9

			Art 10	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	
LE	CH 01	2404	6.10	
	CH 19	2440	6.50	
	CH 39	2478	6.20	
	Tune-up Limit		9	