



Full&Default Power Mode

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
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	24.16	25.00	18.53	18.51	18.16	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)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
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)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9662	9800	9938		9662	9800	9938		
Rx Channel	1862.4	1880	1907.6		1862.4	1880	1907.6		
Frequency (MHz)	1862.4	1880	1907.6		1862.4	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 8	DC-HSDPA Subtest-1	22.56	22.46	22.89	24.00	22.69	22.63	22.78	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.62	22.55	23.02	24.00	22.62	22.62	22.77	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.14	22.09	22.48	23.50	22.20	22.15	22.32	23.50
3GPP Rel 8	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)	
	1312	1413	1513		1312	1413	1513		
TX Channel	1537	1638	1738		1537	1638	1738		
Rx Channel	1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
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 8	DC-HSDPA Subtest-1	23.56	23.55	23.96	24.50	23.07	22.72	23.16	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.59	23.57	23.94	24.00	23.05	22.72	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	23.10	23.05	23.45	24.00	22.59	22.28	22.66	23.50
3GPP Rel 8	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)	
	4132	4182	4233		4132	4182	4233		
TX Channel	4357	4407	4458		4357	4407	4458		
Rx Channel	826.4	836.4	846.6		826.4	836.4	846.6		
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	23.5							



Band 2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq (dB)	Power Ch / Freq (dB)	Power Ch / Freq (dB)	Turn-up limit (dBm)	MPR (dB)	
Channel									
18700 18900 19100									
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	98	22.66	22.61	22.66			
20	QPSK	50	0	21.71	21.75	21.69			
20	QPSK	50	24	21.65	21.65	21.65	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	22.06	22.5	1	
20	16QAM	1	99	21.76	21.88	21.91			
20	16QAM	50	0	20.71	20.68	20.73			
20	16QAM	50	24	20.68	20.64	20.77	21.5	2	
20	16QAM	50	50	20.66	20.59	20.77			
20	16QAM	100	0	20.66	20.59	20.71			
20	64QAM	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	20.85	20.91			
20	64QAM	50	0	19.89	19.68	19.70			
20	64QAM	50	24	19.87	19.80	19.74	20.5	3	
20	64QAM	50	50	19.86	19.78	19.78			
20	64QAM	100	0	19.85	19.81	19.74			
Channel									
18975 18990 19125									
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	21.82			
15	QPSK	75	0	21.62	21.66	21.59			
15	16QAM	1	0	21.62	21.65	21.62			
15	16QAM	1	37	21.94	21.84	21.78	22.5	1	
15	16QAM	1	74	21.68	21.92	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	21.62	21.59	21.71			
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	20.84			
15	64QAM	36	0	19.64	19.65	19.64			
15	64QAM	36	20	19.59	19.53	19.69	20.5	3	
15	64QAM	36	39	19.58	19.48	19.66			
15	64QAM	75	0	19.58	19.51	19.65			
Channel									
18950 18960 19150									
Frequency (MHz)									
10	QPSK	1	0	22.67	22.69	22.64			
10	QPSK	1	25	22.64	22.63	22.67	23.5	0	
10	QPSK	1	49	22.50	22.62	22.56			
10	QPSK	25	0	21.63	21.68	21.58			
10	QPSK	25	12	21.63	21.65	21.60	22.5	1	
10	QPSK	25	25	21.66	21.62	21.67			
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	21.89	21.85			
10	16QAM	36	0	20.62	20.57	20.67			
10	16QAM	36	20	20.63	20.59	20.68	21.5	2	
10	16QAM	36	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			
10	64QAM	1	25	20.64	20.71	20.82	21.5	2	
10	64QAM	1	49	20.66	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	3	
10	64QAM	25	25	19.58	19.52	19.70			
10	64QAM	50	0	19.58	19.51	19.65			
Channel									
18925 18930 19175									
Frequency (MHz)									
5	QPSK	1	0	22.68	22.69	22.65			
5	QPSK	1	12	22.60	22.61	22.65	24.5	0	
5	QPSK	1	24	22.51	22.55	22.60			
5	QPSK	12	0	21.63	21.72	21.65			
5	QPSK	12	13	21.63	21.58	21.60	22.5	1	
5	QPSK	25	0	21.57	21.51	21.60			
5	QPSK	25	0	21.59	21.65	21.61			
5	16QAM	1	0	21.98	21.99	21.99			
5	16QAM	1	12	21.98	21.85	21.80	22.5	1	
5	16QAM	1	24	21.89	21.89	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	20.66	20.61	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	19.51	19.69	20.5	3	
5	64QAM	12	13	19.59	19.52	19.70			
5	64QAM	25	0	19.55	19.51	19.69			
Channel									
18915 18930 19185									
Frequency (MHz)									
3	QPSK	1	0	22.65	22.72	22.63			
3	QPSK	1	8	22.64	22.62	22.64	23.5	0	
3	QPSK	1	16	22.55	22.53	22.59			
3	QPSK	8	0	21.63	21.69	21.62			
3	QPSK	8	4	21.60	21.56	21.58	22.5	1	
3	QPSK	8	7	21.57	21.59	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	8	21.99	21.85	21.77	22.5	1	
3	16QAM	1	14	21.68	21.90	21.85			
3	16QAM	8	0	20.65	20.62	20.65			
3	16QAM	8	4	20.63	20.56	20.67	21.5	2	
3	16QAM	8	7	20.62	20.58	20.67			
3	64QAM	1	0	20.66	20.79	20.71			
3	64QAM	1	8	20.61	20.77	20.85	21.5	2	
3	64QAM	1	14	20.63	20.80	20.84			
3	64QAM	8	0	19.60	19.61	19.62			
3	64QAM	8	4	19.58	19.52	19.65	20.5	3	
3	64QAM	8	7	19.59	19.49	19.87			
3	64QAM	15	0	19.60	19.53	19.67			
Channel									
18907 18950 19193									
Frequency (MHz)									
1.4	QPSK	1	0	22.64	22.69	22.67			
1.4	QPSK	1	3	22.60	22.61	22.67	24.5	0	
1.4	QPSK	1	6	22.53	22.55	22.59			
1.4	QPSK	3	0	22.66	22.69	22.64			
1.4	QPSK	3	0	22.62	22.61	22.66			
1.4	QPSK	3	24	22.53	22.54	22.60	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	21.5	2	
1.4	16QAM	1	6	21.86	21.92	21.83			
1.4	16QAM	3	0	21.61	21.55	21.67			
1.4	16QAM	3	0	21.68	21.63	21.61			
1.4	16QAM	6	0	20.57	20.53	20.65	21.5	2	
1.4	16QAM	6	0	20.66	20.75	20.73			
1.4	64QAM	1	0	20.62	20.72	20.78			
1.4	64QAM	1	5	20.67	20.77	20.85	21.5	2	
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	3	
1.4	64QAM	6	0	19.58	19.52	19.66			

Band 2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq (dB)	Power Ch / Freq (dB)	Power Ch / Freq (dB)	Turn-up limit (dBm)	MPR (dB)	
Channel									
18700 18900 19100									
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	21.97	21.97	21.97			
20	QPSK	50	24	21.93	21.77	21.93	23.5	1	
20	QPSK	50	50	21.96					



Band 4_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.15	23.38	23.23	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	22.21	22.27		23	1
20	QPSK	50	50	21.98	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	22.45	22.49	23	1
20	16QAM	1	99	22.20	22.48	22.46		
20	16QAM	50	0	21.04	21.28	21.18		
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	16QAM	100	50	21.28	21.47	21.36		
20	64QAM	1	49	21.22	21.58	21.38	22	2
20	64QAM	1	99	21.25	21.80	21.37		
20	64QAM	50	0	20.50	20.26	20.16		
20	64QAM	50	24	20.04	20.37	20.10	21	3
20	64QAM	50	50	19.90	20.33	20.20		
20	64QAM	100	0	19.99	20.33	20.17		
Channel								
Frequency (MHz)								
18	QPSK	1	0	23.02	23.15	23.30	24	0
18	QPSK	1	37	22.86	23.06	23.32		
18	QPSK	1	74	22.90	23.08	23.28		
18	QPSK	36	0	21.90	22.17	22.32		
18	QPSK	36	20	21.94	22.08	22.29	23	1
18	QPSK	36	39	21.91	22.15	22.27		
18	QPSK	75	0	21.86	22.12	22.27		
18	16QAM	1	0	21.90	22.21	22.44		
18	16QAM	1	37	22.05	22.42	22.38	23	1
18	16QAM	1	74	22.24	22.39	22.34		
18	16QAM	36	0	20.90	21.09	21.18		
18	16QAM	36	20	20.90	21.10	21.26	22	2
18	16QAM	36	39	21.07	21.22	21.36		
18	16QAM	75	0	20.93	21.11	21.21		
18	64QAM	1	0	21.10	21.24	21.41		
18	64QAM	1	37	21.10	21.29	21.49	22	2
18	64QAM	1	74	21.20	21.31	21.55		
18	64QAM	36	0	19.90	20.06	20.29		
18	64QAM	36	20	19.98	20.06	20.29	21	3
18	64QAM	36	39	19.85	20.11	20.33		
18	64QAM	75	0	19.89	20.10	20.27		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.00	23.15	23.30	24	0
10	QPSK	1	25	22.92	23.10	23.30		
10	QPSK	1	49	22.84	23.15	23.29		
10	QPSK	25	0	22.01	22.21	22.35	23	1
10	QPSK	25	12	21.95	22.09	22.30		
10	QPSK	25	25	21.97	22.10	22.29		
10	QPSK	50	0	21.93	22.10	22.25		
10	16QAM	1	0	22.14	22.30	22.41		
10	16QAM	1	25	22.03	22.40	22.38	23	1
10	16QAM	1	49	22.22	22.39	22.31		
10	16QAM	25	0	20.90	21.08	21.08		
10	16QAM	25	12	20.96	21.10	21.27	22	2
10	16QAM	25	25	20.94	21.13	21.34		
10	16QAM	50	0	20.94	21.11	21.20		
10	64QAM	1	0	21.10	21.22	21.38		
10	64QAM	1	25	21.07	21.20	21.36	22	2
10	64QAM	1	49	21.18	21.30	21.55		
10	64QAM	25	0	19.97	20.10	20.20		
10	64QAM	25	12	19.94	20.09	20.28	21	3
10	64QAM	25	25	19.98	20.11	20.32		
10	64QAM	50	0	19.90	20.10	20.20		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.04	23.14	23.32	24	0
5	QPSK	1	12	22.95	23.08	23.31		
5	QPSK	1	24	22.94	23.11	23.30		
5	QPSK	12	0	21.90	22.09	22.32		
5	QPSK	12	13	21.90	22.17	22.27	23	1
5	QPSK	25	0	21.90	22.13	22.27		
5	16QAM	1	0	22.17	22.29	22.44		
5	16QAM	1	12	22.06	22.44	22.39	23	1
5	16QAM	1	24	22.22	22.39	22.36		
5	16QAM	12	0	20.90	21.11	21.20		
5	16QAM	12	13	20.91	21.12	21.32	22	2
5	16QAM	25	0	20.97	21.07	21.22		
5	64QAM	1	0	21.18	21.25	21.41		
5	64QAM	1	12	21.18	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	13	19.98	20.10	20.30	21	3
5	64QAM	25	0	19.89	20.11	20.23		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.05	23.15	23.30	24	0
3	QPSK	1	6	22.91	23.07	23.30		
3	QPSK	1	14	22.90	23.15	23.30		
3	QPSK	8	0	21.90	22.20	22.31		
3	QPSK	8	4	21.94	22.12	22.28	23	1
3	QPSK	8	7	21.91	22.17	22.27		
3	QPSK	15	0	21.94	22.14	22.25		
3	16QAM	1	0	22.14	22.30	22.41		
3	16QAM	1	6	22.06	22.39	22.38	23	1
3	16QAM	1	14	22.18	22.41	22.33		
3	16QAM	8	0	20.94	21.09	21.19		
3	16QAM	8	4	20.90	21.08	21.31	22	2
3	16QAM	8	7	20.90	21.11	21.35		
3	16QAM	15	0	20.94	21.08	21.21		
3	64QAM	1	0	21.18	21.20	21.40		
3	64QAM	1	6	21.14	21.28	21.52	22	2
3	64QAM	1	14	21.18	21.30	21.50		
3	64QAM	8	0	19.97	20.06	20.17		
3	64QAM	8	4	19.96	20.09	20.27	21	3
3	64QAM	8	7	19.98	20.13	20.30		
3	64QAM	15	0	19.89	20.09	20.25		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.01	23.15	23.20	24	0
1.4	QPSK	1	3	22.98	23.07	23.28		
1.4	QPSK	1	6	22.96	23.13	23.30		
1.4	QPSK	3	0	23.00	23.17	23.33		
1.4	QPSK	3	1	22.92	23.10	23.31		
1.4	QPSK	3	3	22.90	23.11	23.28		
1.4	QPSK	6	0	21.93	22.13	22.23	23	1
1.4	16QAM	1	0	22.13	22.30	22.39		
1.4	16QAM	1	3	22.07	22.39	22.40		
1.4	16QAM	1	6	22.10	22.39	22.36	23	1
1.4	16QAM	3	0	21.98	22.20	22.28		
1.4	16QAM	3	1	21.99	22.12	22.28		
1.4	16QAM	3	3	21.92	22.14	22.29	22	2
1.4	64QAM	1	0	21.17	21.25	21.38		
1.4	64QAM	1	3	21.08	21.28	21.30		
1.4	64QAM	1	6	21.15	21.29	21.30	22	2
1.4	64QAM	3	0	20.97	21.08	20.96		
1.4	64QAM	3	1	20.95	21.08	21.11		
1.4	64QAM	3	3	20.90	21.10	21.17	21	3
1.4	64QAM	6	0	19.90	20.10	20.26	21	3

Band 5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.01	23.07	23.80	25	0
10	QPSK	1	25	23.00	23.91	23.84		
10	QPSK	1	49	23.09	23.80	23.80		
10	QPSK	25	0	22.91	22.95	22.85	24	1
10	QPSK	25	12	22.88	22.91	22.87		
10	QPSK	25	25	22.80	22.89	22.84		
10	QPSK	50	0	22.88	22.88	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	23.18	23.09	23.11		
10	16QAM	25	0	21.89	21.90	21.88		
10	16QAM	25	12	21.86	21.85	21.83	22	2
10	16QAM	25	25	21.93	21.88	21.83		
10	16QAM	50	0	21.88	21.84	21.85		
10	16QAM	50	25	20.96	20.87	20.81	22	3
10	16QAM	50	50	22.03	21.92	22.14		
10	64QAM	1	25	21.88	22.01	22.01	23	2
10	64QAM	1	49	22.03	21.90	21.96		
10	64QAM	25	0	20.89	20.86			



Band 7_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.11	23.66	23.23			24.5	0
20	QPSK	1	49	23.86	23.50	23.96				
20	QPSK	1	99	23.61	23.25	23.98				
20	QPSK	50	0	22.72	22.77	22.70			23.5	1
20	QPSK	50	24	22.72	22.48	21.90				
20	QPSK	50	50	22.63	22.34	22.01				
20	QPSK	100	0	22.82	22.83	22.95				
20	16QAM	1	0	22.54	22.49	22.21				
20	16QAM	1	49	22.43	22.46	21.81			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	20.95			22.5	2
20	16QAM	50	50	21.70	21.34	20.95				
20	16QAM	100	0	21.63	21.43	20.86				
20	16QAM	1	0	21.58	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	20.92				
20	64QAM	50	0	20.59	20.56	19.80				
20	64QAM	50	24	20.67	20.46	19.97			21.5	3
20	64QAM	50	50	20.74	20.31	19.86				
20	64QAM	100	0	20.67	20.42	19.88				
Channel										
Frequency (MHz)										
18	QPSK	1	0	23.53	23.60	23.18			24.5	0
18	QPSK	1	37	23.52	23.45	22.85				
18	QPSK	1	74	23.56	23.22	23.26				
18	QPSK	36	0	22.63	22.72	21.95			23.5	1
18	QPSK	36	20	22.80	22.39	21.95				
18	QPSK	36	39	22.82	22.20	21.88				
18	QPSK	75	0	22.54	22.59	21.93				
18	16QAM	1	0	22.45	22.43	21.91				
18	16QAM	1	37	22.31	22.39	21.89			23.5	1
18	16QAM	1	74	22.26	22.33	21.80				
18	16QAM	36	0	21.49	21.47	20.85				
18	16QAM	36	20	21.66	21.33	20.90			22.5	2
18	16QAM	36	39	21.68	21.19	20.87				
18	16QAM	75	0	21.55	21.30	20.90				
18	64QAM	1	0	21.50	21.42	20.92				
18	64QAM	1	37	21.59	21.59	20.92			22.5	2
18	64QAM	1	74	21.63	21.16	20.82				
18	64QAM	36	0	20.67	20.65	19.86				
18	64QAM	36	20	20.59	20.31	19.82			21.5	3
18	64QAM	36	39	20.62	20.17	19.93				
18	64QAM	75	0	20.65	20.33	19.93				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.55	23.27			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	22.83	22.29	21.96				
10	QPSK	50	0	22.49	22.50	21.99				
10	16QAM	1	0	22.82	22.46	21.86			23.5	1
10	16QAM	1	25	22.27	22.36	21.95				
10	16QAM	1	49	22.26	22.19	21.89				
10	16QAM	25	0	21.50	21.56	20.98				
10	16QAM	25	12	21.62	21.45	20.90			22.5	2
10	16QAM	25	25	21.58	21.25	20.90				
10	64QAM	1	0	21.45	21.43	20.81				
10	64QAM	1	25	21.46	21.37	20.86			22.5	2
10	64QAM	1	49	21.73	21.25	20.88				
10	64QAM	25	0	20.40	20.52	19.93				
10	64QAM	25	12	20.32	20.42	19.85			21.5	3
10	64QAM	25	25	20.64	20.25	19.89				
10	64QAM	50	0	20.61	20.31	19.83				
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	12	0	22.62	22.68	22.03			23.5	1
5	QPSK	12	7	22.58	22.36	21.89				
5	QPSK	25	0	22.60	22.24	21.89				
5	QPSK	25	0	22.56	22.58	21.99				
5	16QAM	1	0	22.46	22.42	21.99			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	21.46	21.37	20.86				
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			21.5	3
5	64QAM	12	7	20.60	20.35	19.91				
5	64QAM	12	13	20.60	20.17	19.90				
5	64QAM	25	0	20.61	20.40	19.88				

Band 7_Ant 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.90	22.23	21.95			23	0
20	QPSK	1	49	21.93	22.22	21.89				
20	QPSK	1	99	21.98	21.96	21.87				
20	QPSK	50	0	21.05	21.16	21.05			22	1
20	QPSK	50	24	21.05	21.12	21.05				
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	21.28	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	20.02	20.06	19.95				
20	16QAM	1	0	20.00	20.12	19.99				
20	64QAM	1	49	20.04	20.27	20.05			21	2
20	64QAM	1	99	20.26	20.16	20.10				
20	64QAM	50	0	18.95	19.07	18.92				
20	64QAM	50	24	19.01	19.07	18.91			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)										
15	QPSK	1	0	21.92	22.18	21.85			23	0
15	QPSK	1	37	21.86	22.16	21.81				
15	QPSK	1	74	21.91	21.96	21.80				
15	QPSK	36	0	21.01	21.09	20.98			22	1
15	QPSK	36	20	20.95	21.07	20.97				
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	21.03				
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			21	2
15	16QAM	36	20	19.97	20.02	19.86				
15	16QAM	36	39	20.01	20.06	19.89				
15	16QAM	75	0	19.96	19.95	19.89				
15	64QAM	1	0	19.92	20.05	19.90				
15	64QAM	1	37	20.14	20.19	19.99			21	2
15	64QAM	1	74	20.18	20.08	20.02				
15	64QAM	36	0	18.87	18.97	18.83				
15	64QAM	36	20	18.92	18.98	18.93			20	3
15	64QAM	36	39	18.92	18.88	18.89				
15	64QAM	75	0	18.95	18.97	18.91				
Channel										
Frequency (MHz)										
10										



Band 13_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up [dB]	MPR [dB]		
Channel 2320										
Frequency (MHz)										
10	QPSK	1	0	23.99	23.99	23.99	25	0		
10	QPSK	1	25	23.98	23.98	23.98				
10	QPSK	1	49	23.98	23.98	23.98				
10	QPSK	25	0	23.10	23.10	23.10	24	1		
10	QPSK	25	12	23.09	23.09	23.09				
10	QPSK	25	25	23.07	23.07	23.07				
10	QPSK	50	0	23.08	23.08	23.08	24	1		
10	16QAM	1	0	23.01	23.01	23.01				
10	16QAM	1	25	23.05	23.05	23.05				
10	16QAM	1	49	23.07	23.07	23.07	23	2		
10	16QAM	25	0	22.16	22.16	22.16				
10	16QAM	25	12	22.15	22.15	22.15				
10	16QAM	25	25	22.13	22.13	22.13	23	2		
10	16QAM	50	0	22.19	22.19	22.19				
10	16QAM	1	0	22.42	22.42	22.42				
10	64QAM	1	25	22.32	22.32	22.32	22	3		
10	64QAM	1	49	22.32	22.32	22.32				
10	64QAM	25	0	21.15	21.15	21.15				
10	64QAM	25	12	21.16	21.16	21.16	22	3		
10	64QAM	25	25	21.14	21.14	21.14				
10	64QAM	50	0	21.15	21.15	21.15				
Channel 2325										
Frequency (MHz)										
5	QPSK	1	0	23.89	23.89	23.89	25	0		
5	QPSK	1	12	23.73	23.88	23.81				
5	QPSK	1	24	23.87	23.90	23.84				
5	QPSK	12	0	23.03	23.03	23.00	24	1		
5	QPSK	12	7	23.01	22.94	22.93				
5	QPSK	12	13	23.00	23.05	23.03				
5	QPSK	25	0	22.94	22.95	23.04	24	1		
5	16QAM	1	0	23.00	22.91	23.00				
5	16QAM	1	12	23.02	22.95	22.99				
5	16QAM	1	24	22.97	22.93	22.93	23	2		
5	16QAM	12	0	22.98	22.15	22.13				
5	16QAM	12	7	22.10	22.00	22.05				
5	16QAM	12	13	22.11	22.00	22.07	22	3		
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	23	2		
5	64QAM	1	24	22.31	22.28	22.31				
5	64QAM	12	0	21.11	21.08	21.12				
5	64QAM	12	7	21.08	21.00	21.09	22	3		
5	64QAM	12	13	20.99	21.00	20.99				
5	64QAM	25	0	21.10	21.14	21.13				

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up [dB]	MPR [dB]		
Channel 2320										
Frequency (MHz)										
10	QPSK	1	0	23.93	23.93	23.93	24.5	0		
10	QPSK	1	25	23.91	23.91	23.91				
10	QPSK	1	49	23.91	23.91	23.91				
10	QPSK	25	0	22.89	22.89	22.89	23.5	1		
10	QPSK	25	12	22.86	22.86	22.86				
10	QPSK	25	25	22.86	22.86	22.86				
10	QPSK	50	0	22.87	22.87	22.87	23.5	1		
10	16QAM	1	0	23.08	23.08	23.08				
10	16QAM	1	25	23.06	23.06	23.06				
10	16QAM	1	49	23.10	23.10	23.10	22.5	2		
10	16QAM	25	0	21.84	21.84	21.84				
10	16QAM	25	12	21.82	21.82	21.82				
10	16QAM	25	25	21.83	21.83	21.83	22.5	2		
10	16QAM	50	0	21.86	21.86	21.86				
10	16QAM	1	0	22.03	22.03	22.03				
10	64QAM	1	25	21.90	21.90	21.90	22.5	2		
10	64QAM	1	49	22.08	22.08	22.08				
10	64QAM	25	0	20.85	20.85	20.85				
10	64QAM	25	12	20.80	20.80	20.80	21.5	3		
10	64QAM	25	25	20.87	20.87	20.87				
10	64QAM	50	0	20.88	20.88	20.88				
Channel 2325										
Frequency (MHz)										
5	QPSK	1	0	23.84	23.86	23.88	24.5	0		
5	QPSK	1	12	23.83	23.84	23.84				
5	QPSK	1	24	23.85	23.83	23.85				
5	QPSK	12	0	22.80	22.82	22.84	23.5	1		
5	QPSK	12	7	22.80	22.80	22.78				
5	QPSK	12	13	22.77	22.79	22.80				
5	QPSK	25	0	22.80	22.81	22.78	23.5	1		
5	16QAM	1	0	22.09	23.01	22.99				
5	16QAM	1	12	23.01	22.97	22.99				
5	16QAM	1	24	23.05	23.00	23.03	23.5	1		
5	16QAM	12	0	21.78	21.79	21.78				
5	16QAM	12	7	21.76	21.75	21.75				
5	16QAM	12	13	21.77	21.76	21.74	22.5	2		
5	16QAM	25	0	21.82	21.79	21.81				
5	16QAM	25	12	21.81	21.81	21.81				
5	64QAM	1	0	21.98	21.94	21.95	22.5	2		
5	64QAM	1	12	21.85	21.80	21.83				
5	64QAM	1	24	22.00	21.99	21.88				
5	64QAM	12	0	20.77	20.78	20.80	21.5	3		
5	64QAM	12	7	20.79	20.80	20.77				
5	64QAM	12	13	20.80	20.79	20.77				
5	64QAM	25	0	20.83	20.81	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	Tune-up [dB]	MPR [dB]		
Channel 2370										
Frequency (MHz)										
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	22.91	22.84	22.91	24	1		
10	QPSK	25	12	22.88	22.87	22.80				
10	QPSK	25	25	22.83	22.89	22.88				
10	QPSK	50	0	22.89	22.89	22.91	24	1		
10	16QAM	1	0	23.00	23.10	23.01				
10	16QAM	1	25	23.08	23.15	23.16				
10	16QAM	1	49	23.08	23.15	23.00	23	2		
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	21.82	21.87	21.86				
10	16QAM	1	0	21.65	21.84	22.00				
10	64QAM	1	25	22.08	21.92	22.08	23	2		
10	64QAM	1	49	22.07	22.09	22.09				
10	64QAM	25	0	20.94	20.93	20.91				
10	64QAM	25	12	20.93	20.96	20.96	22	3		
10	64QAM	25	25	20.97	20.99	20.97				
10	64QAM	50	0	20.93	20.99	20.96				
Channel 2375										
Frequency (MHz)										
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	22.88	22.85	24	1		
5	QPSK	12	7	22.80	22.82	22.81				
5	QPSK	12	13	22.74	22.80	22.82				
5	QPSK	25	0	22.84	22.83	22.82	24	1		
5	16QAM	1	0	22.94	23.03	23.03				
5	16QAM	1	12	22.98	23.10	23.13				
5	16QAM	1	24	23.00	23.11	23.15	23	2		
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	64QAM	1	0	21.90	21.87	21.92				
5	64QAM	1	12	22.01	21.83	22.03	23	2		
5	64QAM	1	24	21.97	22.02	22.02				
5	64QAM	12	0	20.89	20.84	20.86				
5	64QAM	12	7	20.85	20.91	20.90	22	3		
5	64QAM	12	13	20.92	20.89	20.89				
5	64QAM	25	0	20.88	20.89	20.89				

Band 17_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up [dB]	MPR [dB]		
Channel 2370										
Frequency (MHz)										
10	QPSK	1	0	23.91	24.02	23.93	24.5	0		
10	QPSK	1	25	23.75	23.78	23.80				
10	QPSK	1	49	23.67						



Band 26_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.02	24.07	24.02				
15	QPSK	1	37	23.99	23.99	23.94		25	0	
15	QPSK	1	74	24.01	24.01	23.90				
15	QPSK	36	0	22.92	22.92	22.92				
15	QPSK	36	39	22.95	22.91	22.84		24	1	
15	QPSK	75	0	22.87	22.88	22.82				
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	21.92				
15	16QAM	36	39	21.88	21.91	21.89		23	2	
15	16QAM	36	75	0	21.95	21.95	21.92			
15	16QAM	75	0	22.00	22.00	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	39	20.97	20.95	20.92		22	3	
15	64QAM	36	75	0	20.97	20.95	20.92			
15	64QAM	75	0	20.97	20.95	20.92				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.94	23.97	23.94				
15	QPSK	1	25	23.92	23.90	23.85		24	0	
15	QPSK	1	49	23.98	23.98	23.82				
15	QPSK	25	0	22.92	22.90	22.89				
15	QPSK	25	12	22.83	22.80	22.83		24	1	
15	QPSK	25	25	22.88	22.84	22.78				
15	QPSK	50	0	22.92	22.86	22.86				
15	16QAM	1	25	23.15	23.21	23.15		24	1	
15	16QAM	1	49	23.12	23.06	23.08				
15	16QAM	25	0	21.89	21.81	21.83				
15	16QAM	25	12	21.79	21.85	21.82		23	2	
15	16QAM	25	25	21.82	21.84	21.83				
15	16QAM	50	0	21.88	21.86	21.85				
15	64QAM	1	0	21.93	21.89	21.92				
15	64QAM	1	25	21.95	22.06	22.02		23	2	
15	64QAM	1	49	21.96	21.87	21.91				
15	64QAM	12	0	20.92	20.94	20.96				
15	64QAM	12	12	20.98	20.85	20.85		22	3	
15	64QAM	25	0	20.93	20.86	20.79				
15	64QAM	50	0	20.92	20.88	20.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.97	24.00	23.97				
5	QPSK	1	12	23.91	23.92	23.84		26	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	14	22.84	22.84	22.78				
5	QPSK	25	0	22.80	22.83	22.84				
5	16QAM	1	0	23.14	23.19	23.15				
5	16QAM	1	12	23.12	23.12	22.99		24	1	
5	16QAM	1	24	23.14	23.05	23.08				
5	16QAM	12	0	21.88	21.86	21.86				
5	16QAM	12	7	21.83	21.85	21.79		23	2	
5	16QAM	12	13	21.86	21.86	21.77				
5	16QAM	25	0	21.90	21.90	21.85				
5	64QAM	1	0	21.93	21.87	22.10		23	2	
5	64QAM	1	12	21.92	21.88	21.86				
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	20.87	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	23.88	23.90	23.88		26	0	
3	QPSK	1	14	23.95	23.96	23.85				
3	QPSK	8	0	22.87	22.88	22.78				
3	QPSK	8	4	22.83	22.83	22.78		24	1	
3	QPSK	8	7	22.90	22.81	22.76				
3	QPSK	15	0	22.91	22.92	22.87				
3	16QAM	1	0	23.11	23.17	23.16				
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	21.80	21.83	21.83		23	2	
3	16QAM	8	7	21.87	21.84	21.77				
3	16QAM	15	0	21.87	21.89	21.86				
3	64QAM	1	0	21.95	21.90	22.13				
3	64QAM	1	8	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	20.84	20.86	20.87		22	3	
3	64QAM	8	7	20.84	20.85	20.78				
3	64QAM	15	0	20.82	20.89	20.84				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.96	24.00	23.94				
1.4	QPSK	1	3	23.80	23.88	23.88		26	0	
1.4	QPSK	1	6	23.90	23.95	23.84				
1.4	QPSK	3	0	22.93	23.00	23.94				
1.4	QPSK	3	1	23.94	23.90	23.88				
1.4	QPSK	3	3	23.91	23.95	23.82		24	1	
1.4	QPSK	6	0	22.92	22.99	22.96				
1.4	16QAM	1	0	23.13	23.15	23.16				
1.4	16QAM	1	5	23.13	23.21	23.03		24	1	
1.4	16QAM	1	11	23.15	23.02	23.00				
1.4	16QAM	3	0	22.88	22.84	22.79				
1.4	16QAM	3	1	22.86	22.83	22.75		23	2	
1.4	16QAM	6	0	21.88	21.87	21.88		23	2	
1.4	64QAM	1	0	21.91	21.89	22.06				
1.4	64QAM	1	3	21.95	22.06	22.00		23	2	
1.4	64QAM	1	6	21.98	21.87	21.87				
1.4	64QAM	3	0	21.88	21.84	21.86		23	2	
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	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.15	23.15	23.13				
15	QPSK	1	37	23.89	23.94	23.91		24.5	0	
15	QPSK	1	74	23.86	23.89	23.81				
15	QPSK	36	0	22.91	22.94	22.91				
15	QPSK	36	39	22.87	22.86	22.77		23.5	1	
15	QPSK	75	0	22.87	22.88	22.86				
15	16QAM	1	0	22.99	23.12	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	21.84	21.87	21.90				
15	16QAM	36	39	21.85	21.88	21.88		22.5	2	
15	16QAM	36	75	0	21.89	21.89	21.81			
15	16QAM	75	0	22.10	21.96	22.15				
15	64QAM	1	37	22.04	22.15	22.09		22.5	2	
15	64QAM	1	74	22.04	22.11	21.78				
15	64QAM	36	0	20.85	20.87	20.93				
15	64QAM	36	39	20.87	20.87	20.86		21.5	3	
15	64QAM	36	75	0	20.87	20.87	20.89			
15	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	23.98	23.98	23.82				
10	QPSK	25	0	22.84	22.86	22.79				
10	QPSK	25	12	22.75	22.76	22				



Band 66_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up (dBm)	MRR (dB)
Channel								
Frequency (MHz)				132072	132072	132072		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.31	23.68	23.65		
20	QPSK	1	49	23.32	23.65	23.58	24.5	0
20	QPSK	1	99	23.25	23.52	23.57		
20	QPSK	50	0	22.26	22.58	22.57		
20	QPSK	50	24	22.26	22.48	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	22.78	23.5	1
20	16QAM	1	99	22.57	22.69	22.56		
20	16QAM	50	0	21.24	21.48	21.68		
20	16QAM	50	24	21.26	21.53	21.80	22.5	2
20	16QAM	50	50	21.21	21.56	21.60		
20	16QAM	100	0	21.22	21.52	21.59		
20	64QAM	1	0	21.61	21.63	21.65		
20	64QAM	1	49	21.36	21.69	21.78	22.5	2
20	64QAM	1	99	21.38	21.59	21.57		
20	64QAM	50	0	20.24	20.48	20.63		
20	64QAM	50	24	20.24	20.53	20.60	21.5	3
20	64QAM	50	50	20.18	20.57	20.58		
20	64QAM	100	0	20.20	20.52	20.57		
Channel								
Frequency (MHz)				132047	132022	132097		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.21	23.59	23.56		
15	QPSK	1	37	23.14	23.48	23.49	24.5	0
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	39	22.14	22.51	22.46		
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	21.58		
15	16QAM	36	20	21.17	21.45	21.52	22.5	2
15	16QAM	36	39	21.13	21.48	21.50		
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	22.5	2
15	64QAM	1	74	21.31	21.54	21.49		
15	64QAM	36	0	20.14	20.43	20.56		
15	64QAM	36	20	20.16	20.43	20.55	21.5	3
15	64QAM	36	39	20.08	20.50	20.50		
15	64QAM	75	0	20.13	20.45	20.50		
Channel								
Frequency (MHz)				132022	132022	132022		
Frequency (MHz)				171.5	1745	1773		
10	QPSK	1	0	23.23	23.61	23.56		
10	QPSK	1	25	23.17	23.47	23.52	24.5	0
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	22.61	22.66	22.62		
10	16QAM	1	25	22.42	22.71	22.70	23.5	1
10	16QAM	1	49	22.62	22.64	22.48		
10	16QAM	25	0	21.14	21.42	21.59		
10	16QAM	25	12	21.19	21.47	21.53	22.5	2
10	16QAM	25	25	21.16	21.49	21.51		
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	22.5	2
10	64QAM	1	49	21.32	21.49	21.49		
10	64QAM	25	0	20.14	20.40	20.58		
10	64QAM	25	12	20.19	20.45	20.52	21.5	3
10	64QAM	25	25	20.11	20.47	20.53		
10	64QAM	50	0	20.14	20.44	20.47		
Channel								
Frequency (MHz)				131997	132022	132047		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.22	23.58	23.56		
5	QPSK	1	12	23.13	23.46	23.52	24.5	0
5	QPSK	1	24	23.19	23.42	23.47		
5	QPSK	12	0	22.18	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	22.5	2
5	16QAM	12	13	21.13	21.51	21.53		
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	22.5	2
5	64QAM	1	24	21.28	21.51	21.47		
5	64QAM	12	0	20.19	20.45	20.53		
5	64QAM	12	7	20.16	20.47	20.55	21.5	3
5	64QAM	12	13	20.08	20.52	20.48		
5	64QAM	25	0	20.13	20.43	20.50		
Channel								
Frequency (MHz)				131987	132022	132057		
Frequency (MHz)				1711.5	1745	1776.5		
3	QPSK	1	0	23.24	23.57	23.59		
3	QPSK	1	8	23.17	23.49	23.50	24.5	0
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	22.42	22.56	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	22.5	2
3	16QAM	8	7	21.15	21.45	21.50		
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	22.5	2
3	64QAM	1	14	21.33	21.54	21.47		
3	64QAM	8	0	20.15	20.39	20.57		
3	64QAM	8	4	20.15	20.44	20.50	21.5	3
3	64QAM	8	7	20.08	20.47	20.51		
3	64QAM	15	0	20.11	20.44	20.49		
Channel								
Frequency (MHz)				131979	132022	132066		
Frequency (MHz)				1710.7	1745	1776.3		
1.4	QPSK	1	0	23.24	23.56	23.59		
1.4	QPSK	1	3	23.15	23.48	23.50	24.5	0
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		
1.4	QPSK	3	3	23.15	23.48	23.51	23.5	1
1.4	QPSK	6	0	22.14	22.48	22.47		
1.4	16QAM	1	0	22.52	22.56	22.51		
1.4	16QAM	1	3	22.39	22.52	22.59	23.5	1
1.4	16QAM	1	5	22.52	22.65	22.47		
1.4	16QAM	3	0	22.19	22.52	22.47		
1.4	16QAM	3	1	22.21	22.47	22.45		
1.4	16QAM	3	3	22.12	22.50	22.46		
1.4	16QAM	6	0	21.12	21.44	21.51	22.5	2
1.4	16QAM	1	0	21.36	21.58	21.59		
1.4	64QAM	1	3	21.26	21.67	21.51		
1.4	64QAM	1	5	21.30	21.63	21.62	22.5	2
1.4	64QAM	3	0	21.16	21.42	21.61		
1.4	64QAM	3	1	21.18	21.45	21.54		
1.4	64QAM	3	3	21.16	21.47	21.54		
1.4	64QAM	6	0	20.14	20.44	20.48	21.5	3



Band 38_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							37850	38000	38150
Frequency (MHz)							2580	2595	2610
20	QPSK	1	0	23.49	23.37	23.28	24	0	
20	QPSK	1	49	23.48	23.36	23.22			
20	QPSK	1	99	23.33	23.30	23.05	23	1	
20	QPSK	50	0	22.47	22.35	22.29			
20	QPSK	50	24	22.46	22.31	22.25	23	1	
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	22	2	
20	16QAM	1	99	22.44	22.31	22.22			
20	16QAM	50	0	21.39	21.32	21.20	22	2	
20	16QAM	50	24	21.48	21.31	21.24			
20	16QAM	50	50	21.47	21.27	21.29	21	3	
20	16QAM	100	0	21.42	21.28	21.23			
20	64QAM	1	0	21.10	20.99	20.85	22	2	
20	64QAM	1	49	21.17	21.06	21.00			
20	64QAM	1	99	21.12	21.02	21.02	21	3	
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		
Frequency (MHz)							37825	38000	38175
15	QPSK	1	0	23.40	23.28	23.21	24	0	
15	QPSK	1	37	23.38	23.27	23.12			
15	QPSK	1	74	23.26	23.22	22.98	23	1	
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	23	1	
15	16QAM	1	0	22.30	22.22	22.06			
15	16QAM	1	37	22.43	22.31	22.23	22	2	
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	22	2	
15	16QAM	75	0	21.35	21.21	21.17			
15	64QAM	1	0	21.02	20.91	20.80	22	2	
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	21	3	
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
10	QPSK	1	0	23.41	23.29	23.23	24	0	
10	QPSK	1	25	23.38	23.28	23.13			
10	QPSK	1	49	23.26	23.20	22.97	23	1	
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	23	1	
10	16QAM	1	0	22.34	22.22	22.07			
10	16QAM	1	25	22.43	22.31	22.18	22	2	
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	22	2	
10	16QAM	50	0	21.32	21.18	21.17			
10	64QAM	1	0	21.02	20.94	20.79	22	2	
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	21	3	
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
5	QPSK	1	0	23.42	23.28	23.20	24	0	
5	QPSK	1	12	23.40	23.31	23.14			
5	QPSK	1	24	23.26	23.25	23.00	23	1	
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	23	1	
5	16QAM	1	0	22.32	22.23	22.05			
5	16QAM	1	12	22.40	22.31	22.20	22	2	
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	22	2	
5	16QAM	25	0	21.34	21.22	21.15			
5	64QAM	1	0	21.05	20.94	20.80	22	2	
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	20.20	21	3	
5	64QAM	12	13	20.33	20.11	20.19			
5	64QAM	25	0	20.34	20.17	20.14	Channel		

Band 38_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							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	23	1	
20	QPSK	50	0	22.64	22.53	22.45			
20	QPSK	50	24	22.55	22.45	22.39	23	1	
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	22.85	22.73	22.51			
20	16QAM	1	49	22.74	22.70	22.54	22	2	
20	16QAM	1	99	22.88	22.47	22.34			
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	21	3	
20	16QAM	100	0	21.52	21.45	21.34			
20	64QAM	1	0	21.51	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	21	3	
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		
Frequency (MHz)							37825	38000	38175
15	QPSK	1	0	23.37	23.36	23.37	24	0	
15	QPSK	1	37	23.41	23.36	23.22			
15	QPSK	1	74	23.31	23.15	22.96	23	1	
15	QPSK	36	0	22.63	22.52	22.40			
15	QPSK	36	20	22.62	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	23	1	
15	16QAM	1	0	22.53	22.60	22.38			
15	16QAM	1	37	22.69	22.64	22.44	22	2	
15	16QAM	1	74	22.55	22.44	22.27			
15	16QAM	36	0	21.52	21.49	21.31	22	2	
15	16QAM	36	20	21.53	21.35	21.39			
15	16QAM	36	39	21.53	21.34	21.26	22	2	
15	16QAM	75	0	21.49	21.37	21.33			
15	64QAM	1	0	21.36	21.45	21.42	22	2	
15	64QAM	1	37	21.50	21.49	21.31			
15	64QAM	1	74	21.47	21.26	21.21	21	3	
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		
Frequency (MHz)							37800	38000	38200
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	23	1	
10	QPSK	25	0	22.63	22.48	22.38			
10	QPSK	25	12	22.60	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	23	1	
10	16QAM	1	0	22.64	22.59	22.48			
10	16QAM	1	25	22.62	22.55	22.48	22	2	
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								



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	24	1
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		
20	16QAM	50	0	21.94	21.90	21.94	22.23	22.68	23	2
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		
20	16QAM	100	0	22.00	21.91	21.95	22.22	22.64	23	2
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	23	2
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	22	3
20	64QAM	50	24	21.00	20.92	20.91	21.23	21.75		
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		
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	24	1
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		
15	16QAM	36	0	21.86	21.83	21.85	22.16	22.58	23	2
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		
15	16QAM	75	0	21.91	21.85	21.90	22.14	22.55	23	2
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	23	2
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	22	3
15	64QAM	36	20	20.93	20.83	20.81	21.15	21.70		
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		
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	24	1
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		
10	16QAM	25	0	21.87	21.80	21.88	22.13	22.62	23	2
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		
10	16QAM	50	0	21.93	21.84	21.90	22.14	22.55	23	2
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	23	2
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	22	3
10	64QAM	25	12	20.93	20.82	20.83	21.17	21.66		
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		
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	24	1
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		
5	16QAM	12	0	21.88	21.83	21.86	22.18	22.62	23	2
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		
5	16QAM	25	0	21.92	21.83	21.88	22.14	22.59	23	2
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	23	2
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	22	3
5	64QAM	12	7	20.95	20.83	20.82	21.13	21.67		
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		



Band 66_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MRR (dB)
Channel								
Frequency (MHz)				132072	132322	132572		
20	QPSK	1	0	22.46	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	23	0
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	23	0
20	16QAM	1	0	22.37	22.66	22.60		
20	16QAM	1	49	22.46	22.62	22.54	23	0
20	16QAM	1	99	22.43	22.75	22.55		
20	16QAM	50	0	21.24	21.48	21.66	22.5	0.5
20	16QAM	50	24	21.26	21.53	21.80		
20	16QAM	50	50	21.21	21.56	21.60	22.5	0.5
20	16QAM	100	0	21.22	21.52	21.59		
20	64QAM	1	0	21.61	21.63	21.65	22.5	0.5
20	64QAM	1	49	21.36	21.69	21.78		
20	64QAM	1	99	21.38	21.59	21.57	22.5	1.5
20	64QAM	50	0	20.24	20.44	20.63		
20	64QAM	50	24	20.24	20.53	20.60	21.5	1.5
20	64QAM	50	50	20.18	20.57	20.58		
20	64QAM	100	0	20.20	20.52	20.57		
Channel								
Frequency (MHz)				132047	132322	132597		
15	QPSK	1	0	22.44	22.75	22.58	23	0
15	QPSK	1	37	22.37	22.52	22.48		
15	QPSK	1	74	22.32	22.59	22.45	23	0
15	QPSK	36	0	22.36	22.68	22.53		
15	QPSK	36	20	22.27	22.83	22.46	23	0
15	QPSK	36	39	22.32	22.46	22.44		
15	QPSK	75	0	22.31	22.51	22.44	23	0
15	16QAM	1	0	22.36	22.65	22.54		
15	16QAM	1	37	22.34	22.48	22.56	23	0
15	16QAM	1	74	22.36	22.87	22.42		
15	16QAM	36	0	21.19	21.42	21.56	22.5	0.5
15	16QAM	36	20	21.17	21.45	21.52		
15	16QAM	36	39	21.13	21.48	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	22.5	0.5
15	64QAM	1	37	21.29	21.63	21.69		
15	64QAM	1	74	21.31	21.54	21.49	22.5	1.5
15	64QAM	36	0	20.14	20.43	20.56		
15	64QAM	36	20	20.16	20.43	20.55	21.5	1.5
15	64QAM	36	39	20.08	20.50	20.50		
15	64QAM	75	0	20.13	20.45	20.50		
Channel								
Frequency (MHz)				132022	132322	132622		
10	QPSK	1	0	22.46	22.75	22.56	23	0
10	QPSK	1	25	22.34	22.50	22.48		
10	QPSK	1	49	22.31	22.61	22.44	23	0
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	25	22.40	22.56	22.51		
10	QPSK	50	0	22.36	22.67	22.38	23	0
10	16QAM	1	0	22.26	22.64	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	22.5	0.5
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	22.5	0.5
10	64QAM	1	25	21.29	21.60	21.68		
10	64QAM	1	49	21.32	21.49	21.49	22.5	1.5
10	64QAM	25	0	20.14	20.40	20.58		
10	64QAM	25	12	20.19	20.46	20.52	21.5	1.5
10	64QAM	25	25	20.11	20.47	20.53		
10	64QAM	50	0	20.14	20.44	20.47		
Channel								
Frequency (MHz)				131997	132322	132647		
5	QPSK	1	0	22.44	22.74	22.61	23	0
5	QPSK	1	12	22.37	22.50	22.49		
5	QPSK	1	24	22.36	22.55	22.57	23	0
5	QPSK	12	0	22.39	22.66	22.60		
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	22.56	22.48	23	0
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	22.5	0.5
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	22.5	0.5
5	64QAM	1	12	21.29	21.63	21.71		
5	64QAM	1	24	21.28	21.51	21.47	22.5	1.5
5	64QAM	12	0	20.19	20.45	20.53		
5	64QAM	12	7	20.16	20.47	20.56	21.5	1.5
5	64QAM	12	13	20.08	20.52	20.48		
5	64QAM	25	0	20.13	20.43	20.50		
Channel								
Frequency (MHz)				131972	132322	132657		
3	QPSK	1	0	22.40	22.66	22.64	23	0
3	QPSK	1	8	22.31	22.52	22.39		
3	QPSK	1	14	22.38	22.57	22.51	23	0
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	23	0
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	22.5	0.5
3	16QAM	8	4	21.21	21.48	21.53		
3	16QAM	8	7	21.15	21.45	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	22.5	0.5
3	64QAM	1	8	21.28	21.64	21.70		
3	64QAM	1	14	21.33	21.54	21.47	22.5	1.5
3	64QAM	8	0	20.15	20.39	20.57		
3	64QAM	8	4	20.15	20.44	20.50	21.5	1.5
3	64QAM	8	7	20.08	20.47	20.51		
3	64QAM	15	0	20.11	20.44	20.49		
Channel								
Frequency (MHz)				131979	132322	132666		
1.4	QPSK	1	0	22.45	22.71	22.52	23	0
1.4	QPSK	1	3	22.34	22.50	22.53		
1.4	QPSK	1	5	22.41	22.48	22.46	23	0
1.4	QPSK	3	0	22.44	22.56	22.52		
1.4	QPSK	3	1	22.33	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	23	0
1.4	16QAM	1	0	22.26	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	22.5	0.5
1.4	16QAM	3	1	22.36	22.59	22.47		
1.4	16QAM	3	3	22.40	22.58	22.51	22.5	0.5
1.4	16QAM	6	0	21.12	21.44	21.51		
1.4	16QAM	1	0	21.36	21.58	21.55	22.5	0.5
1.4	64QAM	1	3	21.26	21.67	21.51		
1.4	64QAM	1	5	21.30	21.63	21.62	22.5	0.5
1.4	64QAM	3	0	21.16	21.42	21.61		
1.4	64QAM	3	1	21.18	21.45	21.54	21.5	1.5
1.4	64QAM	3	3	21.16	21.47	21.54		
1.4	64QAM	6	0	20.14	20.44	20.48		



Band 4_Ant 5

Table for Band 4_Ant 5 showing parameters like BW [MHz], Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hgt./Freq., Turn-up limit (dBm), and MPR (dB) for various channels and frequencies.

Band 5_Ant 0

Table for Band 5_Ant 0 showing parameters like BW [MHz], Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hgt./Freq., Turn-up limit (dBm), and MPR (dB) for various channels and frequencies.

Band 5_Ant 1

Table for Band 5_Ant 1 showing parameters like BW [MHz], Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hgt./Freq., Turn-up limit (dBm), and MPR (dB) for various channels and frequencies.

Band 7_Ant 1

Table for Band 7_Ant 1 showing parameters like BW [MHz], Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hgt./Freq., Turn-up limit (dBm), and MPR (dB) for various channels and frequencies.



Band 66_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MRR (dB)	
Channel									
132072 132092 132122									
Frequency (MHz)									
1720 1745 1770									
20	QPSK	1	0	21.03	21.58	21.74	22	0	
20	QPSK	1	49	21.53	21.82	21.87			
20	QPSK	1	99	21.49	21.81	21.87			
20	QPSK	50	0	21.52	21.82	21.75	22	0	
20	QPSK	50	24	21.56	21.84	21.82			
20	QPSK	50	50	21.55	21.84	21.84			
20	QPSK	100	0	21.80	21.74	21.84	22	0	
20	ISQAM	1	0	21.49	21.87	21.73			
20	ISQAM	1	49	21.49	21.74	21.81			
20	ISQAM	1	99	21.62	21.79	21.73			
20	ISQAM	50	0	21.60	21.82	21.60	22	0	
20	ISQAM	50	24	21.50	21.78	21.82			
20	ISQAM	50	50	21.49	21.77	21.71			
20	ISQAM	100	0	21.58	21.75	21.86	21.5	0.5	
20	ISQAM	1	0	21.56	21.83	21.73			
20	ISQAM	1	49	21.58	21.81	21.69			
20	ISQAM	1	99	21.55	21.82	21.87			
20	ISQAM	50	0	20.24	20.48	20.63	21.5	0.5	
20	ISQAM	50	24	20.24	20.53	20.60			
20	ISQAM	50	50	20.18	20.57	20.58			
20	ISQAM	100	0	20.20	20.52	20.57	21.5	0.5	
Channel									
132047 132092 132097									
Frequency (MHz)									
1717.5 1745 1772.5									
15	QPSK	1	0	21.54	21.77	21.87	22	0	
15	QPSK	1	37	21.50	21.78	21.84			
15	QPSK	1	74	21.35	21.68	21.58			
15	QPSK	36	0	21.59	21.78	21.58	22	0	
15	QPSK	36	20	21.47	21.74	21.83			
15	QPSK	36	39	21.49	21.83	21.82			
15	QPSK	75	0	21.50	21.73	21.54	22	0	
15	ISQAM	1	0	21.39	21.75	21.60			
15	ISQAM	1	37	21.46	21.81	21.49			
15	ISQAM	1	74	21.52	21.85	21.85	22	0	
15	ISQAM	36	0	21.57	21.77	21.54			
15	ISQAM	36	20	21.38	21.71	21.56			
15	ISQAM	36	39	21.48	21.62	21.58			
15	ISQAM	75	0	21.43	21.78	21.53	22	0	
15	ISQAM	1	0	21.44	21.77	21.84			
15	ISQAM	1	37	21.49	21.73	21.56			
15	ISQAM	1	74	21.50	21.81	21.52	21.5	0.5	
15	ISQAM	36	0	20.14	20.43	20.55			
15	ISQAM	36	20	20.16	20.43	20.55			
15	ISQAM	36	39	20.08	20.50	20.50			
15	ISQAM	75	0	20.13	20.45	20.50	21.5	0.5	
Channel									
132022 132092 132097									
Frequency (MHz)									
1711.5 1745 1772.5									
10	QPSK	1	0	21.61	21.79	21.86	22	0	
10	QPSK	1	25	21.41	21.71	21.56			
10	QPSK	1	49	21.34	21.71	21.59			
10	QPSK	25	0	21.58	21.79	21.70	22	0	
10	QPSK	25	12	21.53	21.80	21.60			
10	QPSK	25	25	21.54	21.82	21.82			
10	QPSK	50	0	21.45	21.66	21.81	22	0	
10	ISQAM	1	0	21.45	21.74	21.86			
10	ISQAM	1	25	21.41	21.87	21.46			
10	ISQAM	1	49	21.48	21.68	21.62	22	0	
10	ISQAM	25	0	21.49	21.78	21.60			
10	ISQAM	25	12	21.40	21.70	21.57			
10	ISQAM	25	25	21.35	21.62	21.70	22	0	
10	ISQAM	50	0	21.51	21.73	21.58			
10	ISQAM	1	0	21.53	21.69	21.58			
10	ISQAM	1	25	21.51	21.80	21.86	22	0	
10	ISQAM	1	49	21.48	21.77	21.80			
10	ISQAM	25	0	20.14	20.40	20.58			
10	ISQAM	25	12	20.19	20.45	20.52	21.5	0.5	
10	ISQAM	25	25	20.11	20.47	20.53			
10	ISQAM	50	0	20.14	20.44	20.47			
Channel									
131997 132092 132097									
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	22	0	
5	QPSK	12	7	21.47	21.82	21.57			
5	QPSK	12	13	21.53	21.79	21.58			
5	QPSK	25	0	21.48	21.72	21.57	22	0	
5	ISQAM	1	0	21.34	21.74	21.70			
5	ISQAM	1	12	21.34	21.80	21.47			
5	ISQAM	1	24	21.48	21.69	21.58	22	0	
5	ISQAM	12	0	21.56	21.80	21.58			
5	ISQAM	12	7	21.49	21.64	21.59			
5	ISQAM	12	13	21.38	21.82	21.63	22	0	
5	ISQAM	25	0	21.46	21.69	21.56			
5	ISQAM	1	0	21.52	21.73	21.66			
5	ISQAM	1	12	21.51	21.78	21.81	22	0	
5	ISQAM	1	24	21.42	21.81	21.53			
5	ISQAM	12	0	20.19	20.45	20.53			
5	ISQAM	12	7	20.15	20.47	20.55	21.5	0.5	
5	ISQAM	12	13	20.08	20.52	20.48			
5	ISQAM	25	0	20.13	20.43	20.50			
Channel									
131987 132092 132097									
Frequency (MHz)									
1711.5 1745 1776.5									
3	QPSK	1	0	21.60	21.78	21.68	22	0	
3	QPSK	1	8	21.45	21.71	21.58			
3	QPSK	1	14	21.35	21.70	21.52			
3	QPSK	8	0	21.51	21.76	21.70	22	0	
3	QPSK	8	4	21.51	21.81	21.60			
3	QPSK	8	7	21.50	21.83	21.58			
3	QPSK	15	0	21.59	21.81	21.56	22	0	
3	ISQAM	1	0	21.39	21.86	21.67			
3	ISQAM	1	8	21.38	21.86	21.47			
3	ISQAM	1	14	21.55	21.78	21.70	22	0	
3	ISQAM	8	0	21.47	21.73	21.49			
3	ISQAM	8	4	21.38	21.85	21.58			
3	ISQAM	8	7	21.37	21.75	21.64	22	0	
3	ISQAM	15	0	21.53	21.87	21.56			
3	ISQAM	1	0	21.52	21.78	21.69			
3	ISQAM	1	8	21.51	21.72	21.54	22	0	
3	ISQAM	1	14	21.53	21.75	21.69			
3	ISQAM	8	0	20.15	20.30	20.57			
3	ISQAM	8	4	20.15	20.44	20.50	21.5	0.5	
3	ISQAM	8	7	20.08	20.47	20.51			
3	ISQAM	15	0	20.11	20.44	20.49			
Channel									
131979 132092 132096									
Frequency (MHz)									
1710.7 1745 1776.3									
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	21.76	21.54			
1.4	QPSK	3	0	21.50	21.76	21.65	22	0	
1.4	QPSK	3	1	21.50	21.76	21.60			
1.4	QPSK	3	3	21.51	21.80	21.48			
1.4	QPSK	6	0	21.58	21.72	21.51	22	0	
1.4	ISQAM	1	0	21.45	21.85	21.71			
1.4	ISQAM	1	3	21.43	21.59	21.60			
1.4	ISQAM	1	5	21.51	21.70	21.63	22	0	
1.4	ISQAM	3	0	21.58	21.73	21.57			
1.4	ISQAM	3	1	21.41	21.87	21.51			
1.4	ISQAM	3	3	21.36	21.76	21.65	22	0	
1.4	ISQAM	6	0	21.47	21.71	21.51			
1.4	ISQAM	1	0	21.46	21.77	21.63			
1.4	ISQAM	1	3	21.47	21.75	21.54	22	0	
1.4	ISQAM	1	5	21.44	21.78	21.67			
1.4	ISQAM	3	0	21.49	21.82	21.73			
1.4	ISQAM	3	1	21.48	21.73	21.62	21.5	0.5	
1.4	ISQAM	3	3	21.36	21.69	21.58			
1.4	ISQAM	6	0	20.14	20.44	20.48			

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	23.36	24	0		
20	QPSK	1	49	23.45	23.38	23.30				
20	QPSK	1	99	23.40	23.20	23.11	23	1		
20	QPSK	50	0	22.64	22.53	22.45				
20	QPSK	50	24	22.55	22.45	22.39	23	1		
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	22	2		
20	16QAM	1	99	22.68	22.47	22.34				
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	22	2		
20	16QAM	100	0	21.52	21.45	21.34				
20	64QAM	1	0	21.51	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	21	3		
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				
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	23.36	23.22				
15	QPSK	1	74	23.31	23.15	22.96	23	1		
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	23	1		
15	16QAM	1	0	22.53	22.60	22.38				
15	16QAM	1	37	22.69	22.64	22.44	22	2		
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	22	2		
15	16QAM	75	0	21.49	21.37	21.33				
15	64QAM	1	0	21.36	21.45	21.42	22	2		
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	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				
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	23	1		
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	23	1		
10	16QAM	1	0	22.64	22.59	22.48				
10	16QAM	1	25	22.62	22.55	22.48	22	2		
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	22	2		
10	16QAM	50	0	21.48	21.40	21.33				
10	64QAM	1	0	21.45	21.46	21.32	22	2		
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	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				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.35	23.42	23.30	24	0		
5	QPSK	1	12	23.34	23.23	23.26				
5	QPSK	1	24	23.32	23.08	23.00	23	1		
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	23	1		
5	16QAM	1	0	22.60	22.59	22.39				
5	16QAM	1	12	22.70	22.65	22.49	22	2		
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	22	2		
5	16QAM	25	0	21.51	21.43	21.29				
5	64QAM	1	0	21.45	21.56	21.38	22	2		
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	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 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				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	24.47	24.30	23.66	25	0		
20	QPSK	1	49	24.65	24.26	23.60				
20	QPSK	1	99	24.76	24.36	23.66	24	1		
20	QPSK	50	0	23.69	23.51	22.86				
20	QPSK	50	24	23.75	23.59	22.73	24	1		
20	QPSK	50	50	23.82	23.67	22.91				
20	QPSK	100	0	23.79	23.53	22.75	24	1		
20	16QAM	1	0	23.75	23.75	23.05				
20	16QAM	1	49	23.87	23.70	22.95	23	2		
20	16QAM	1	99	23.86	23.60	22.80				
20	16QAM	50	0	22.70	22.66	21.89	23	2		
20	16QAM	50	24	22.82	22.61	21.80				
20	16QAM	50	50	22.86	22.60	21.71	23	2		
20	16QAM	100	0	22.79	22.56	21.78				
20	64QAM	1	0	22.61	22.58	21.88	23	2		
20	64QAM	1	49	22.75	22.60	21.77				
20	64QAM	1	99	22.82	22.42	21.64	22	3		
20	64QAM	50	0	21.68	21.60	20.85				
20	64QAM	50	24	21.78	21.59	20.79	22	3		
20	64QAM	50	50	21.82	21.57	20.66				
20	64QAM	100	0	21.80	21.55	20.77				
Channel				39725	40173	40620				
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	24.34	24.18	23.64	25	0		
15	QPSK	1	37	24.62	24.24	23.48				
15	QPSK	1	74	24.65	24.24	23.64	24	1		
15	QPSK	36	0	23.68	23.44	22.74				
15	QPSK	36	20	23.72	23.54	22.61	24	1		
15	QPSK	36	39	23.72	23.58	22.81				
15	QPSK	75	0	23.72	23.45	22.67	24	1		
15	16QAM	1	0	23.69	23.73	23.00				
15	16QAM	1	37	23.82	23.58	22.83	23	2		
15	16QAM	1	74	23.82	23.50	22.70				
15	16QAM	36	0	22.55	22.56	21.83	23	2		
15	16QAM	36	20	22.74	22.56	21.70				
15	16QAM	36	39	22.80	22.45	21.66	22	3		
15	16QAM	75	0	22.75	22.47	21.73				
15	64QAM	1	0	22.60	22.57	21.78	23	2		
15	64QAM	1	37	22.68	22.50	21.66				
15	64QAM	1	74	22.69	22.31	21.54	22	3		
15	64QAM	36	0	21.67	21.52	20.81				
15	64QAM	36								



Reduced Power Mode for ECI 1 ENDC

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 limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1870	1880	1900					
20	QPSK	1	0	20.42	20.44	20.23	19.75	0			
20	QPSK	1	49	20.28	20.17	20.23	19.75	0			
20	QPSK	1	99	20.16	20.20	20.09	19.75	0			
20	QPSK	50	0	20.17	20.25	20.12	19.75	0			
20	QPSK	50	24	20.24	19.92	20.12	19.75	0			
20	QPSK	50	50	20.06	20.13	20.03	19.75	0			
20	QPSK	100	0	20.38	20.37	20.24	19.75	0			
20	16QAM	1	0	20.10	20.02	20.14	19.75	0			
20	16QAM	1	49	20.06	20.15	20.08	19.75	0			
20	16QAM	1	99	20.25	20.40	20.21	19.75	0			
20	16QAM	50	0	20.13	20.13	20.20	19.75	0			
20	16QAM	50	24	20.12	20.13	19.99	19.75	0			
20	16QAM	50	50	20.40	20.28	20.18	19.75	0			
20	64QAM	1	0	20.06	20.12	20.06	19.75	0			
20	64QAM	1	49	20.36	20.31	20.20	19.75	0			
20	64QAM	1	99	20.17	19.99	20.18	19.75	0			
20	64QAM	50	0	19.88	19.75	19.62	19.75	0			
20	64QAM	50	24	19.83	19.80	19.86	19.75	0			
20	64QAM	50	50	19.87	19.82	19.70	19.75	0.25			
20	64QAM	100	0	19.85	19.71	19.80	19.75	0			
Channel											
Frequency (MHz)				1875	1890	1915	Turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	20.33	20.31	20.22	19.75	0			
15	QPSK	1	49	20.10	20.03	20.09	19.75	0			
15	QPSK	1	74	20.10	20.15	19.94	19.75	0			
15	QPSK	36	0	20.17	20.17	19.95	19.75	0			
15	QPSK	36	20	20.14	19.86	19.97	19.75	0			
15	QPSK	36	39	19.98	20.04	19.98	19.75	0			
15	16QAM	75	0	19.94	19.86	20.08	19.75	0			
15	16QAM	1	37	19.98	20.04	20.00	19.75	0			
15	16QAM	1	74	20.19	20.34	20.19	19.75	0			
15	16QAM	36	0	19.97	20.04	20.12	19.75	0			
15	16QAM	36	20	19.97	19.98	19.98	19.75	0			
15	16QAM	36	39	20.34	20.17	20.25	19.75	0			
15	16QAM	75	0	20.06	19.86	20.00	19.75	0			
15	64QAM	1	0	19.95	19.97	19.99	19.75	0			
15	64QAM	1	37	20.22	20.18	20.07	19.75	0			
15	64QAM	1	74	20.02	19.86	19.98	19.75	0			
15	64QAM	36	0	20.02	19.86	19.79	19.75	0			
15	64QAM	36	20	20.01	19.78	19.77	19.75	0.25			
15	64QAM	36	39	19.96	19.94	19.87	19.75	0			
15	64QAM	75	0	20.06	19.84	19.89	19.75	0			
Channel											
Frequency (MHz)				1880	1890	1910	Turn-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	20.30	20.32	20.18	19.75	0			
10	QPSK	1	25	20.14	20.09	20.14	19.75	0			
10	QPSK	1	49	20.03	20.06	20.01	19.75	0			
10	QPSK	25	0	20.26	20.22	19.96	19.75	0			
10	QPSK	25	12	20.17	19.77	20.06	19.75	0			
10	QPSK	25	25	19.94	20.01	19.95	19.75	0			
10	QPSK	50	0	20.20	20.14	20.19	19.75	0			
10	16QAM	1	0	19.95	19.92	20.04	19.75	0			
10	16QAM	1	25	19.91	20.07	20.01	19.75	0			
10	16QAM	1	49	20.10	20.33	20.18	19.75	0			
10	16QAM	25	0	20.06	20.08	20.06	19.75	0			
10	16QAM	25	12	19.98	19.97	19.86	19.75	0			
10	16QAM	25	25	20.35	20.14	20.11	19.75	0			
10	16QAM	50	0	20.12	19.91	19.97	19.75	0			
10	64QAM	1	0	19.96	20.04	20.00	19.75	0			
10	64QAM	1	25	20.15	20.15	19.95	19.75	0			
10	64QAM	1	49	20.03	19.88	20.07	19.75	0			
10	64QAM	25	0	20.09	19.87	19.71	19.75	0.25			
10	64QAM	25	12	19.95	19.78	19.83	19.75	0			
10	64QAM	25	25	20.02	20.01	19.81	19.75	0			
10	64QAM	50	0	20.07	19.87	19.78	19.75	0			
Channel											
Frequency (MHz)				1885	1890	1915	Turn-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	20.34	20.33	20.15	19.75	0			
5	QPSK	1	12	20.21	20.03	20.08	19.75	0			
5	QPSK	1	24	20.02	20.06	20.04	19.75	0			
5	QPSK	12	0	20.09	20.13	20.03	19.75	0			
5	QPSK	12	13	19.99	19.99	19.90	19.75	0			
5	QPSK	25	0	20.28	20.22	20.08	19.75	0			
5	16QAM	1	0	20.03	19.87	20.06	19.75	0			
5	16QAM	1	12	19.98	20.08	19.96	19.75	0			
5	16QAM	1	24	20.12	20.28	20.06	19.75	0			
5	16QAM	12	0	19.99	20.01	20.11	19.75	0			
5	16QAM	12	7	20.00	20.03	19.84	19.75	0			
5	16QAM	12	13	20.02	20.18	20.04	19.75	0			
5	16QAM	25	0	20.02	19.93	20.01	19.75	0			
5	64QAM	1	0	20.00	20.00	20.00	19.75	0			
5	64QAM	1	12	20.31	20.21	20.06	19.75	0			
5	64QAM	1	24	20.09	19.86	20.07	19.75	0			
5	64QAM	12	0	19.91	19.82	19.82	19.75	0			
5	64QAM	12	7	19.98	19.69	19.86	19.75	0			
5	64QAM	12	13	20.04	19.92	19.80	19.75	0.25			
5	64QAM	25	0	19.98	19.89	19.78	19.75	0			
Channel											
Frequency (MHz)				1890	1890	1915	Turn-up limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	20.34	20.31	20.24	19.75	0			
1.4	QPSK	1	5	20.16	20.04	20.12	19.75	0			
1.4	QPSK	3	0	20.21	20.21	19.97	19.75	0			
1.4	QPSK	3	1	20.16	19.84	20.01	19.75	0			
1.4	QPSK	3	3	19.95	19.98	19.95	19.75	0			
1.4	QPSK	6	0	20.25	20.21	20.16	19.75	0			
1.4	16QAM	1	0	19.96	19.88	20.06	19.75	0			
1.4	16QAM	1	3	19.94	20.05	19.99	19.75	0			
1.4	16QAM	1	44	20.09	20.07	20.14	19.75	0			
1.4	16QAM	3	0	19.98	20.07	20.13	19.75	0			
1.4	16QAM	3	1	20.05	19.97	19.89	19.75	0			
1.4	16QAM	6	0	20.01	19.88	19.99	19.75	0			
1.4	64QAM	1	0	19.96	20.06	20.00	19.75	0			
1.4	64QAM	1	3	20.27	20.16	20.11	19.75	0			
1.4	64QAM	1	5	20.01	19.84	20.06	19.75	0			
1.4	64QAM	3	0	20.03	19.84	19.84	19.75	0			
1.4	64QAM	3	1	19.97	19.78	19.84	19.75	0			
1.4	64QAM	3	3	20.07	19.85	19.82	19.75	0.25			
1.4	64QAM	6	0	20.00	19.83	19.78	19.75	0			

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 limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				2050	2017.5	2030					
20	QPSK	1	0	19.24	19.46	19.17	19.75	0			
20	QPSK	1	49	19.09	19.18	19.88	19.75	0			
20	QPSK	1	99	19.21	19.20	19.94	19.75	0			
20	QPSK	50	0	19.15	19.23	19.23	19.75	0			
20	QPSK	50	24	18.96	19.04	19.90	19.75	0			
20	QPSK	50	50	19.03	19.20	18.96	19.75	0			
20	QPSK	100	0	19.15	19.20	19.12	19.75	0			
20	16QAM	1	0	18.93	19.18	18.86	19.75	0			
20	16QAM	1	49	18.98	19.30	19.88	19.75	0			
20	16QAM	1	99	19.05	19.20	19.02	19.75	0			
20	16QAM	50	0	19.05	19.02	18.91	19.75	0			
20	16QAM	50	24	19.03	19.12	18.92	19.75	0			
20	16QAM	50	50	19.19	19.20	19.04	19.75	0			
20	64QAM	1	0	18.85	19.18	19.07	19.75	0			
20	64QAM	1	49	19.05	19.22	19.88	19.75	0			
20	64QAM	1									



Band 5_Ant 1

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)				20450	20525	20590		
				820	836.5	844		
10	QPSK	1	0	23.33	23.37	23.35	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	22.70	22.76	22.76		
10	QPSK	25	12	22.70	22.75	22.84		
10	QPSK	25	25	22.73	22.71	22.88	24	0.5
10	QPSK	50	0	22.73	22.78	22.71		
10	HQAM	1	0	22.84	22.89	23.01		
10	HQAM	1	25	22.90	22.94	22.95	24	0.5
10	HQAM	1	49	22.95	22.87	22.79		
10	HQAM	25	0	21.73	21.71	21.78		
10	HQAM	25	12	21.70	21.67	21.61	23	1.5
10	HQAM	25	25	21.77	21.68	21.68		
10	HQAM	50	0	20.71	20.75	20.60		
10	HQAM	50	12	20.68	20.72	20.56	22	2.5
10	HQAM	50	25	20.67	20.66	20.72		
Channel								
Frequency (MHz)				20425	20525	20625		
				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	23.04		
5	QPSK	1	49	23.03	23.04	23.09		
5	QPSK	12	0	22.72	22.80	22.83		
5	QPSK	12	13	22.57	22.61	22.53	24	0.5
5	QPSK	25	0	22.68	22.70	22.62		
5	HQAM	1	0	22.87	22.77	22.94		
5	HQAM	1	12	22.80	22.88	22.89	24	0.5
5	HQAM	1	24	22.86	22.72	22.70		
5	HQAM	12	0	21.59	21.66	21.65		
5	HQAM	12	7	21.54	21.60	21.59	23	1.5
5	HQAM	12	13	21.63	21.58	21.45		
5	HQAM	25	0	21.63	21.60	21.53		
5	HQAM	25	0	21.64	21.65	21.80		
5	HQAM	1	12	21.61	21.61	21.60	23	1.5
5	HQAM	1	24	21.72	21.75	21.66		
5	HQAM	12	0	20.57	20.67	20.59		
5	HQAM	12	7	20.57	20.64	20.55	22	2.5
5	HQAM	12	13	20.61	20.60	20.41		
5	HQAM	25	0	20.55	20.54	20.67		
Channel								
Frequency (MHz)				20415	20525	20635		
				824.5	836.5	848.5		
3	QPSK	1	0	23.15	23.13	23.21	24.5	0
3	QPSK	1	8	23.09	23.14	23.01		
3	QPSK	1	14	22.98	23.04	23.07		
3	QPSK	8	0	22.84	22.88	22.85		
3	QPSK	8	4	22.87	22.85	22.84	24	0.5
3	QPSK	8	7	22.83	22.99	22.83		
3	QPSK	15	0	22.64	22.72	22.65		
3	HQAM	1	0	22.78	22.77	22.93		
3	HQAM	1	8	22.87	22.89	22.75	24	0.5
3	HQAM	1	14	22.87	22.77	22.64		
3	HQAM	8	0	21.67	21.66	21.62		
3	HQAM	8	4	21.59	21.55	21.49	23	1.5
3	HQAM	8	7	21.62	21.59	21.48		
3	HQAM	15	0	21.84	21.80	21.51		
3	HQAM	1	0	21.67	21.64	21.79	23	1.5
3	HQAM	1	8	21.67	21.74	21.64		
3	HQAM	1	14	21.71	21.65	21.66		
3	HQAM	8	0	20.61	20.67	20.49		
3	HQAM	8	4	20.64	20.62	20.46	22	2.5
3	HQAM	8	7	20.63	20.56	20.41		
3	HQAM	15	0	20.58	20.51	20.64		
Channel								
Frequency (MHz)				20407	20525	20643		
				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	23.26		
1.4	QPSK	3	1	23.21	23.24	23.13		
1.4	QPSK	3	3	23.18	23.13	23.15		
1.4	QPSK	6	0	22.71	22.78	22.68	24	0.5
1.4	HQAM	1	0	22.86	22.96	23.02		
1.4	HQAM	1	3	22.91	23.01	23.02	24	0.5
1.4	HQAM	1	5	22.96	23.02	22.88		
1.4	HQAM	3	0	22.78	22.78	22.76		
1.4	HQAM	3	1	22.72	22.79	22.72	24	0.5
1.4	HQAM	3	3	22.73	22.76	22.66		
1.4	HQAM	6	0	21.73	21.78	21.70	23	1.5
1.4	HQAM	6	0	21.85	21.76	21.66		
1.4	HQAM	1	3	21.81	21.80	21.83		
1.4	HQAM	1	5	21.87	21.93	21.80	23	1.5
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	3	21.73	21.77	21.67		
1.4	HQAM	6	0	20.78	20.72	20.71	22	2.5

Band 7_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)				20890	21100	21390		
				2510	2535	2560		
20	QPSK	1	0	19.87	20.02	19.66	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	19.76	19.86	19.33		
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	19.75	19.30	19.59		
20	HQAM	1	0	19.75	19.73	19.13		
20	HQAM	1	49	19.83	19.44	19.28	20.75	0
20	HQAM	1	99	19.80	19.93	19.47		
20	HQAM	50	0	19.79	19.78	19.10		
20	HQAM	50	24	19.73	19.43	19.35	20.75	0
20	HQAM	50	50	19.76	19.85	19.62		
20	HQAM	100	0	19.72	19.63	19.18		
20	HQAM	1	0	19.74	19.30	19.30		
20	HQAM	1	49	19.83	19.82	19.47	20.75	0
20	HQAM	1	99	19.72	19.74	19.10		
20	HQAM	50	0	19.77	19.37	19.24		
20	HQAM	50	24	19.69	19.86	19.43	20.75	0
20	HQAM	50	50	19.80	19.69	19.15		
20	HQAM	100	0	19.83	19.54	19.19		
Channel								
Frequency (MHz)				20925	21100	21375		
				2507.5	2535	2562.5		
15	QPSK	1	0	19.92	19.94	19.59	20.75	0
15	QPSK	1	37	19.84	19.79	19.28		
15	QPSK	1	74	19.95	19.54	19.41		
15	QPSK	36	0	19.78	19.88	19.52		
15	QPSK	36	20	19.82	19.69	19.16	20.75	0
15	QPSK	36	39	19.89	19.38	19.26		
15	QPSK	75	0	19.79	19.93	19.88		
15	HQAM	1	0	19.78	19.74	19.11		
15	HQAM	1	37	19.81	19.48	19.30	20.75	0
15	HQAM	1	74	19.83	19.54	19.48		
15	HQAM	36	0	19.76	19.78	19.05		
15	HQAM	36	20	19.75	19.53	19.26	20.75	0
15	HQAM	36	39	19.83	19.82	19.53		
15	HQAM	75	0	19.74	19.63	19.16		
15	HQAM	1	0	19.84	19.45	19.34		
15	HQAM	1	37	19.77	19.78	19.63	20.75	0
15	HQAM	1	74	19.74	19.74	19.18		
15	HQAM	36	0	19.87	19.44	19.28		
15	HQAM	36	20	19.71	19.78	19.43	20.75	0
15	HQAM	36	39	19.76	19.69	19.17		
15	HQAM	75	0	19.77	19.80	19.27		
Channel								
Frequency (MHz)				20960	21100	21400		
				2505	2535	2565		
10	QPSK	1	0	19.94	20.01	19.57	20.75	0
10	QPSK	1	25	19.89	19.81	19.20		
10	QPSK	1	49	19.88	19.50	19.41		
10	QPSK	25	0	19.89	19.87	19.46		
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	19.80	19.50		
10	HQAM	1	0	19.74	19.71	19.18		
10	HQAM	1	25	19.83	19.44	19.32	20.75	0
10	HQAM	1	49	19.85	19.86	19.47		
10	HQAM	25	0	19.74	19.70	19.10		
10	HQAM	25	12	19.80	19.51			



Band 12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [MHz]	Power Ch / Freq [MHz]	Power Ch / Freq [MHz]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.26	23.40	23.35	24.5	0	
10	QPSK	1	25	23.26	23.23	23.32			
10	QPSK	1	49	23.26	23.33	23.33			
10	QPSK	25	0	22.20	22.27	22.20	23.5	1	
10	QPSK	25	12	22.20	22.23	22.20			
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	22.29	23.5	1	
10	16QAM	1	25	22.34	22.47	22.51			
10	16QAM	1	49	22.48	22.49	22.60			
10	16QAM	25	0	21.17	21.18	21.27	22.5	2	
10	16QAM	25	12	21.14	21.23	21.26			
10	16QAM	25	25	21.17	21.26	21.33			
10	64QAM	1	0	21.30	21.36	21.37	21.5	3	
10	64QAM	1	25	21.22	21.44	21.48			
10	64QAM	1	49	21.33	21.41	21.52			
10	64QAM	25	0	20.21	20.20	20.27	21.5	3	
10	64QAM	25	12	20.28	20.28	20.34			
10	64QAM	25	25	20.24	20.27	20.31			
10	64QAM	50	0	20.22	20.27	20.31			
Channel									
Frequency (MHz)				702.5	705.5	710.5	Turn-up [dB]	MPR [dB]	
5	QPSK	1	0	23.25	23.36	23.22	24.5	0	
5	QPSK	1	12	23.11	23.17	23.17			
5	QPSK	1	24	23.20	23.26	23.18			
5	QPSK	12	0	22.12	22.38	22.22	23.5	1	
5	QPSK	12	7	22.18	22.16	22.27			
5	QPSK	12	13	22.11	22.18	22.21			
5	QPSK	25	0	22.19	22.31	22.16	23.5	1	
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	21.09	21.12	21.12	22.5	2	
5	16QAM	12	7	21.02	21.26	21.29			
5	16QAM	12	13	21.14	21.14	21.31			
5	16QAM	25	0	21.33	21.13	21.14	22.5	2	
5	64QAM	1	0	21.22	21.28	21.36	22.5	2	
5	64QAM	1	12	21.16	21.42	21.46			
5	64QAM	1	24	21.28	21.38	21.59			
5	64QAM	12	0	20.12	20.17	20.22	21.5	3	
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			
Channel									
Frequency (MHz)				703.5	706.5	710.5	Turn-up [dB]	MPR [dB]	
3	QPSK	1	0	23.23	23.30	23.28	24.5	0	
3	QPSK	1	8	23.19	23.11	23.25			
3	QPSK	1	14	23.25	23.19	23.28			
3	QPSK	8	0	22.12	22.24	22.29	23.5	1	
3	QPSK	8	7	22.10	22.18	22.14			
3	QPSK	15	0	22.20	22.26	22.29			
3	16QAM	1	0	22.22	22.21	22.40	23.5	1	
3	16QAM	1	8	22.28	22.28	22.44			
3	16QAM	1	14	22.36	22.42	22.56			
3	16QAM	8	0	21.10	21.10	21.19	22.5	2	
3	16QAM	8	7	21.11	21.10	21.13			
3	16QAM	8	14	21.17	21.18	21.25			
3	16QAM	15	0	21.10	21.17	21.20	22.5	2	
3	64QAM	1	0	21.19	21.23	21.26	22.5	2	
3	64QAM	1	8	21.21	21.40	21.45			
3	64QAM	1	14	21.27	21.29	21.47			
3	64QAM	8	0	20.13	20.11	20.16	21.5	3	
3	64QAM	8	7	20.15	20.09	20.23			
3	64QAM	8	14	20.22	20.16	20.21			
3	64QAM	15	0	20.12	20.15	20.24			
Channel									
Frequency (MHz)				702.5	705.5	710.5	Turn-up [dB]	MPR [dB]	
1.4	QPSK	1	0	23.28	23.32	23.24	24.5	0	
1.4	QPSK	1	3	23.14	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	23.5	1	
1.4	QPSK	3	1	22.29	22.14	22.21			
1.4	QPSK	3	3	22.33	22.25	22.28			
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	23.5	1	
1.4	16QAM	1	3	22.27	22.41	22.41			
1.4	16QAM	1	5	22.39	22.39	22.51			
1.4	16QAM	3	0	22.16	22.29	22.24	23.5	1	
1.4	16QAM	3	1	22.14	21.28	22.21			
1.4	16QAM	3	3	22.13	22.19	22.19			
1.4	16QAM	6	0	21.11	21.09	21.19	22.5	2	
1.4	64QAM	1	0	21.24	21.26	21.28	22.5	2	
1.4	64QAM	1	3	21.13	21.36	21.37			
1.4	64QAM	1	5	21.27	21.31	21.45			
1.4	64QAM	3	0	21.09	21.12	21.21	21.5	3	
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 Ch / Freq [MHz]	Power Ch / Freq [MHz]	Power Ch / Freq [MHz]	Turn-up [dB]	MPR [dB]	
Channel									
Frequency (MHz)				26765	26865	26965			
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	22.65	22.76	22.65	24	1	
15	QPSK	36	20	22.63	22.59	22.58			
15	QPSK	36	39	22.65	22.61	22.54			
15	QPSK	75	0	22.32	22.34	22.31	24	1	
15	16QAM	1	0	22.91	22.86	22.81	24	1	
15	16QAM	1	37	22.89	22.96	22.79			
15	16QAM	1	74	22.90	22.84	22.83			
15	16QAM	36	0	21.84	21.61	21.62	23	2	
15	16QAM	36	20	21.59	21.61	21.59			
15	16QAM	36	39	21.86	21.84	21.55			
15	16QAM	75	0	21.70	21.65	21.88	23	2	
15	16QAM	75	37	21.73	21.83	21.79			
15	16QAM	75	74	21.78	21.64	21.66			
15	16QAM	36	0	20.65	20.63	20.67	22	3	
15	16QAM	36	20	20.61	20.66	20.62			
15	16QAM	36	39	20.69	20.65	20.58			
15	16QAM	75	0	20.87	20.85	20.82			
Channel									
Frequency (MHz)				26740	26865	26960	Turn-up [dB]	MPR [dB]	
10	QPSK	1	0	23.96	23.73	23.58	25	0	
10	QPSK	1	25	23.58	23.46	23.46			
10	QPSK	1	49	23.69	23.84	23.86			
10	QPSK	25	0	22.55	22.64	22.59	24	1	
10	QPSK	25	12	22.58	22.49	22.47			
10	QPSK	25	25	22.53	22.51	22.51			
10	QPSK	50	0	22.79	22.80	22.77	24	1	
10	16QAM	1	0	22.79	22.80	22.77	24	1	
10	16QAM	1	25	22.83	22.91	22.76			
10	16QAM	1	49	22.80	22.73	22.72			
10	16QAM	25	0	21.80	21.48	21.61	23	2	
10	16QAM	25	12	21.82	21.59	21.60			
10	16QAM	25	25	21.82	21.60	21.41			
10	16QAM	50	0	21.57	21.62	21.50	23	2	
10	16QAM	50	1	21.63	21.50	21.84			
10	64QAM	1	0	21.25	21.42	21.52	23	2	
10	64QAM	1	12	21.26	21.51	21.74			
10	64QAM	1	24	21.28	21.59	21.82			
10	64QAM	25	0	20.51	20.57	20.54	22	3	
10	64QAM	25	12	20.13	20.54	20.51			
10	64QAM	25	25	20.52	20.59	20.55			
10	64QAM	50	0	20.59	20.54	20.47			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up [dB]	MPR [dB]	
5	QPSK	1	0	23.71	23.73	23.69	25	0	
5	QPSK	1	12	23.59	23.66	23.58			
5	QPSK	1	24	23.59	23.68	23.54			
5	QPSK	12	0	22.21	22.66	22.57	24	1	
5	QPSK	12	7	22.62	22.49	22.47			
5	QPSK	12	13	22.58	22.53	22.41			
5	QPSK	25	0	22.55	22.63	22.49			
5	16QAM	1	0	22.82	22.81	22.82	24	1	
5	16QAM	1	12	22.81	22.86	22.77			
5	16QAM	1	24	22.79	22.77	22.76			
5	16QAM	12	0	21.61	21.46	21.58	23	2	
5	16QAM	12	7	21.48	21.55	21.56			
5	16QAM	12	13	21.60	21.52	21.53			
5	16QAM	25	0	21.54	21.55	21.57	23	2	
5	16QAM	25	1	21.57	21.56	21.80			
5	16QAM	25	12	21.71	21.76	21.65			
5	16QAM	25	24	21.82	21.62	21.59			
5	64QAM	1	0	20.64	20.68	20.80	22	3	
5	64QAM	1	7	20.58	20.64	20.52			
5	64QAM	12	0	20.82	20.58	20.47			
5	64QAM	25	0	20.85	20.57	20.51			
Channel									
Frequency (MHz)				26705	26865	27005	Turn-up [dB]	MPR [dB]	
3	QPSK	1	0	23.71	23.65	23.70	25	0	
3	QPSK	1	8	23.59	23.65	23.51			
3	QPSK	1	14	23.62	23.64	23.49			
3	QPSK	8	0	22.85	22.84	22.83	24	1	
3	QPSK	8	4	22.83	22.				

Band 66_Ant 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)				
Channel				132072	132592	132072						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	19.63	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						
20	QPSK	50	0	19.71	19.67	19.54						
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	19.68	19.54						
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						
20	16QAM	50	24	19.45	19.59	19.45	21.25	0				
20	16QAM	50	50	19.39	19.37	19.42						
20	16QAM	100	0	19.47	19.66	19.44						
20	64QAM	1	0	19.59	19.67	19.55						
20	64QAM	1	49	19.52	19.62	19.51	21.25	0				
20	64QAM	1	99	19.49	19.53	19.55						
20	64QAM	50	0	19.58	19.62	19.58						
20	64QAM	50	24	19.37	19.59	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	132522	132047						
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	19.69	19.55						
15	QPSK	1	74	19.41	19.51	19.53						
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	19.59	19.48						
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	19.49	19.55						
15	16QAM	36	0	19.42	19.54	19.47						
15	16QAM	36	20	19.37	19.50	19.37	21.25	0				
15	16QAM	36	39	19.31	19.31	19.41						
15	16QAM	75	0	19.43	19.63	19.38						
15	64QAM	1	0	19.57	19.58	19.50						
15	64QAM	1	37	19.45	19.63	19.46	21.25	0				
15	64QAM	1	74	19.40	19.50	19.45						
15	64QAM	36	0	19.52	19.52	19.53						
15	64QAM	36	20	19.33	19.51	19.35	21.25	0				
15	64QAM	36	39	19.33	19.38	19.40						
15	64QAM	75	0	19.44	19.60	19.43						
Channel				132022	132522	132022						
Frequency (MHz)				1715	1745	1772.5						
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						
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	25	19.33	19.42	19.47						
10	QPSK	50	0	19.51	19.58	19.45						
10	16QAM	1	0	19.57	19.60	19.54	21.25	0				
10	16QAM	1	25	19.46	19.57	19.41						
10	16QAM	1	49	19.36	19.60	19.53						
10	16QAM	25	0	19.48	19.50	19.46						
10	16QAM	25	12	19.44	19.54	19.37	21.25	0				
10	16QAM	25	25	19.31	19.38	19.39						
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						
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	19.48						
Channel				131997	132522	131997						
Frequency (MHz)				1712.5	1745	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						
5	QPSK	12	0	19.56	19.59	19.55						
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						
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						
5	16QAM	12	7	19.39	19.54	19.40	21.25	0				
5	16QAM	12	13	19.31	19.32	19.35						
5	16QAM	25	0	19.38	19.63	19.42						
5	64QAM	1	0	19.58	19.62	19.53						
5	64QAM	1	12	19.44	19.53	19.49	21.25	0				
5	64QAM	1	24	19.39	19.52	19.53						
5	64QAM	12	0	19.50	19.61	19.46						
5	64QAM	12	7	19.39	19.57	19.41	21.25	0				
5	64QAM	12	13	19.37	19.35	19.32						
5	64QAM	25	0	19.36	19.55	19.39						
Channel				131967	132522	131967						
Frequency (MHz)				1710.7	1745	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						
1.4	QPSK	3	0	19.51	19.59	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	16QAM	1	0	19.53	19.57	19.45						
1.4	16QAM	1	3	19.50	19.54	19.48						
1.4	16QAM	1	5	19.33	19.46	19.51	21.25	0				
1.4	16QAM	3	0	19.47	19.50	19.50						
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	19.55	19.37						
1.4	64QAM	1	0	19.51	19.60	19.47						
1.4	64QAM	1	3	19.42	19.61	19.46	21.25	0				
1.4	64QAM	1	5	19.40	19.49	19.47						
1.4	64QAM	3	0	19.49	19.52	19.53						
1.4	64QAM	3	1	19.29	19.55	19.42	21.25	0				
1.4	64QAM	3	3	19.29	19.38	19.37						
1.4	64QAM	6	0	19.36	19.50	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	20.5	0
20	QPSK	1	49	19.92	19.86	19.83		
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	16QAM	1	49	19.89	19.78	19.80	20.5	0
20	16QAM	1	99	19.83	19.61	19.53		
20	16QAM	50	0	19.94	19.78	19.83		
20	16QAM	50	24	19.82	19.76	19.67		
20	16QAM	50	50	19.72	19.54	19.48	20.5	0
20	16QAM	100	0	19.94	19.82	19.81		
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	64QAM	100	0	19.91	19.90	19.77	20.5	0
Channel				37825	38000	38175		
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	20.5	0
15	QPSK	1	74	19.81	19.60	19.54		
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		
15	16QAM	1	74	19.77	19.57	19.47	20.5	0
15	16QAM	36	0	19.93	19.68	19.73		
15	16QAM	36	20	19.79	19.67	19.64		
15	16QAM	36	39	19.65	19.45	19.45		
15	16QAM	75	0	19.90	19.77	19.74	20.5	0
15	64QAM	1	0	19.95	19.82	19.76		
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		
Channel				37800	38000	38200	20.5	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.01	19.91	19.82	20.5	0
10	QPSK	1	25	19.90	19.77	19.75		
10	QPSK	1	49	19.80	19.62	19.57		
10	QPSK	25	0	19.94	19.85	19.76		
10	QPSK	25	12	19.83	19.84	19.74	20.5	0
10	QPSK	25	25	19.73	19.60	19.48		
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		
10	16QAM	25	25	19.63	19.49	19.46	20.5	0
10	16QAM	50	0	19.92	19.75	19.75		
10	64QAM	1	0	19.99	19.85	19.73		
10	64QAM	1	25	19.86	19.74	19.68		
10	64QAM	1	49	19.71	19.61	19.46	20.5	0
10	64QAM	25	0	19.90	19.76	19.76		
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		
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	20.5	0
5	QPSK	1	24	19.80	19.68	19.53		
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		
5	16QAM	1	24	19.76	19.60	19.44	20.5	0
5	16QAM	12	0	19.85	19.73	19.74		
5	16QAM	12	7	19.79	19.67	19.58		
5	16QAM	12	13	19.62	19.46	19.47		
5	16QAM	25	0	19.88	19.81	19.78	20.5	0
5	64QAM	1	0	19.93	19.80	19.74		
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		

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	21.25	0
20	QPSK	1	49	21.16	20.75	20.13	19.50	19.60		
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	19.58		
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		
20	16QAM	1	49	21.14	20.70	20.09	19.40	19.59	21.25	0
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		
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	21.25	0
20	16QAM	100	0	20.84	20.71	19.99	19.46	19.55		
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		
20	64QAM	1	99	21.17	20.85	20.05	19.47	19.50	21.25	0
20	64QAM	50	0	20.75	20.58	19.96	19.31	19.43		
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	21.25	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	21.25	0
15	QPSK	1	0	20.88	20.79	20.03	19.53	19.59		
15	QPSK	1	37	21.10	20.69	20.09	19.46	19.55	21.25	0
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		
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	21.25	0
15	QPSK	75	0	20.82	20.69	20.04	19.49	19.58		
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	21.25	0
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		
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	21.25	0
15	64QAM	1	0	20.65	20.74	19.94	19.35	19.41		
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	21.25	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK									



Reduced Power Mode for EC2 ENDC

Band 2_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tx-turnup (dBm)	MPE (dB)			
Channel											
Frequency (MHz)				1870	1890	1900					
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	21.93	21.77	21.74	23.5	1			
20	QPSK	50	50	21.98	21.99	21.79					
20	QPSK	100	0	21.88	21.98	21.78					
20	16QAM	1	0	22.10	21.88	21.99					
20	16QAM	1	49	22.12	22.08	21.98	23.5	1			
20	16QAM	1	99	22.11	22.08	22.03					
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	20.98	20.74	20.75					
20	16QAM	1	0	20.98	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	20.93	19.98	19.74					
20	16QAM	50	24	19.98	19.75	19.79	21.5	3			
20	16QAM	50	50	19.92	19.98	19.78					
20	16QAM	100	0	19.95	19.76	19.76					
Channel											
Frequency (MHz)				1875	1890	1912.5					
15	QPSK	1	0	23.00	23.01	22.81	24.5	0			
15	QPSK	1	49	22.91	22.98	22.96					
15	QPSK	1	74	22.85	22.80	22.85					
15	QPSK	36	0	21.89	21.87	21.78	23.5	1			
15	QPSK	36	20	21.88	21.86	21.68					
15	QPSK	36	39	21.90	21.91	21.88					
15	QPSK	75	0	21.78	21.85	21.85					
15	16QAM	1	0	21.07	21.05	21.05	23.5	1			
15	16QAM	1	37	22.10	22.02	22.17					
15	16QAM	1	74	21.97	22.00	21.96					
15	16QAM	36	0	21.01	20.87	20.88	22.5	2			
15	16QAM	36	20	20.98	20.95	20.95					
15	16QAM	36	39	20.92	21.02	20.73					
15	16QAM	75	0	20.93	20.81	20.61					
15	16QAM	1	0	20.78	21.05	21.01	22.5	2			
15	16QAM	1	37	20.99	20.85	20.87					
15	16QAM	1	74	20.97	20.94	20.94					
15	16QAM	36	0	19.97	19.79	19.71					
15	16QAM	36	20	19.94	19.85	19.72	21.5	3			
15	16QAM	36	39	19.98	19.94	19.65					
15	16QAM	75	0	19.83	19.76	19.72					
Channel											
Frequency (MHz)				1880	1890	1915					
10	QPSK	1	0	22.92	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	22.65					
10	QPSK	25	0	21.87	21.86	21.74	23.5	1			
10	QPSK	25	12	21.84	21.84	21.64					
10	QPSK	25	35	21.98	21.89	21.78					
10	QPSK	50	0	21.80	21.93	21.61					
10	16QAM	1	0	22.07	21.78	21.88					
10	16QAM	1	25	22.02	22.02	21.81	23.5	1			
10	16QAM	1	49	22.08	21.99	21.94					
10	16QAM	25	0	20.98	20.78	20.98	22.5	2			
10	16QAM	25	12	20.99	20.74	20.81					
10	16QAM	25	25	20.87	21.04	20.82					
10	16QAM	50	0	20.82	20.81	20.73					
10	16QAM	1	0	20.73	21.00	21.03	22.5	2			
10	16QAM	1	25	20.97	20.77	20.98					
10	16QAM	1	49	20.96	20.83	20.89					
10	16QAM	25	0	19.92	19.84	19.62					
10	16QAM	25	12	19.95	19.73	19.70	21.5	3			
10	16QAM	25	25	19.98	19.97	19.74					
10	16QAM	50	0	19.98	19.72	19.63					
Channel											
Frequency (MHz)				1882.5	1890	1917.5					
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	21.68	21.68	23.5	1			
5	QPSK	12	7	21.81	21.70	21.68					
5	QPSK	12	13	21.88	21.86	21.69					
5	QPSK	25	0	21.84	21.85	21.67					
5	16QAM	1	0	22.03	21.83	21.96	23.5	1			
5	16QAM	1	12	22.11	22.07	21.98					
5	16QAM	1	24	21.98	21.94	21.96					
5	16QAM	12	0	21.02	20.85	20.71					
5	16QAM	12	7	20.99	20.72	20.72	22.5	2			
5	16QAM	12	13	20.93	20.98	20.79					
5	16QAM	25	0	20.88	20.68	20.79					
5	16QAM	1	0	20.94	21.01	21.01	22.5	2			
5	16QAM	1	12	21.02	20.73	20.94					
5	16QAM	1	24	20.92	20.87	20.90					
5	16QAM	12	0	19.94	19.74	19.68					
5	16QAM	12	7	19.98	19.71	19.67	21.5	3			
5	16QAM	12	13	19.78	19.90	19.71					
5	16QAM	25	0	19.85	19.76	19.70					
Channel											
Frequency (MHz)				1887.5	1890	1919.5					
3	QPSK	1	0	23.02	23.07	22.73	24.5	0			
3	QPSK	1	9	22.85	22.97	22.78					
3	QPSK	1	14	22.73	22.77	22.74					
3	QPSK	8	0	21.89	21.88	21.75	23.5	1			
3	QPSK	8	4	21.87	21.88	21.73					
3	QPSK	8	7	21.85	21.90	21.75					
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	21.95					
3	16QAM	8	0	20.99	20.74	20.87	22.5	2			
3	16QAM	8	4	20.92	20.73	20.76					
3	16QAM	8	7	20.78	20.95	20.73					
3	16QAM	15	0	20.80	20.87	20.63					
3	16QAM	1	0	20.88	21.04	21.00	22.5	2			
3	16QAM	1	8	21.09	20.74	20.89					
3	16QAM	1	14	20.99	20.78	20.94					
3	16QAM	8	0	20.91	19.78	19.71					
3	16QAM	8	4	19.92	19.82	19.72	21.5	3			
3	16QAM	8	7	19.84	19.85	19.66					
3	16QAM	15	0	19.80	19.70	19.70					
Channel											
Frequency (MHz)				1892.5	1890	1922.5					
1.4	QPSK	1	0	22.96	23.01	22.77	24.5	0			
1.4	QPSK	1	5	22.83	22.87	22.78					
1.4	QPSK	1	5	22.71	22.58	22.66					
1.4	QPSK	3	0	23.00	23.01	22.78					
1.4	QPSK	3	1	22.78	22.87	22.77					
1.4	QPSK	3	3	22.68	22.68	22.68	23.5	1			
1.4	QPSK	6	0	21.78	21.90	21.67					
1.4	16QAM	1	0	21.78	22.08	21.89					
1.4	16QAM	1	3	21.70	21.99	21.78	23.5	1			
1.4	16QAM	1	6	21.86	21.88	21.88					
1.4	16QAM	3	0	21.80	21.93	21.75					
1.4	16QAM	3	1	21.84	21.89	21.64					
1.4	16QAM	3	3	21.88	21.59	21.73	22.5	2			
1.4	16QAM	6	0	20.89	20.88	20.69					
1.4	16QAM	1	0	21.86	21.04	21.04	22.5	2			
1.4	16QAM	1	3	20.91	20.72	20.89					
1.4	16QAM	1	5	20.95	20.79	20.65					
1.4	16QAM	3	0	20.98	20.80	20.67	22.5	2			
1.4	16QAM	3	1	20.94	20.72	20.74					
1.4	16QAM	3	3	20.85	20.83	20.68					
1.4	16QAM	6	0	19.80	19.70	19.70	21.5	3			

Band 4_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tx-turnup (dBm)	MPE (dB)			
Channel											
Frequency (MHz)				2050	2017.5	2030					
20	QPSK	1	0	23.04	23.07	23.47	24	0			
20	QPSK	1	49	23.38	23.54	23.34					
20	QPSK	1	99	23.46	23.54	23.30					
20	QPSK	50	0	22.40	22.57	22.33	23	1			
20	QPSK	50	24	22.40	22.48	22.29					
20	QPSK	50	50	22.29	22.44	22.13					
20	QPSK	100	0	22.41	22.48	22.20					
20	16QAM	1	0	22.57	22.91	22.73	23	1			
20	16QAM	1	49	22.94	22.99	22.48					
20	16QAM	1	99	22.70	22.65	22.58					
20	16QAM	50	0	21.51	21.58	21.31					
20	16QAM	50	24	21.43	21.47	21.27	22	2			
20	16QAM	50	50	21.25	21.41	21.13					
20	16QAM	100	0	21.28	21.46	21.18					
20	16QAM	1	0	21.70	21.47	21.63					
20	16QAM	1	49	21.43	21.66	21.29	22	2			
20	16QAM	1	99	21.86	21.58	21.43					
20	16QAM	50	0	20.5							



Band 5_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MRR (dB)
Channel								
Frequency (MHz)				20450	20525	20590		
				820	838.5	844		
10	QPSK	1	0	23.82	23.89	23.84		
10	QPSK	1	25	23.80	23.83	23.72	25	0
10	QPSK	1	49	23.78	23.72	23.72		
10	QPSK	25	0	22.85	22.87	22.85		
10	QPSK	25	12	22.85	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	23.03	23.06	23.08		
10	16QAM	1	25	22.98	22.98	22.99	24	1
10	16QAM	1	49	22.92	22.97	22.95		
10	16QAM	25	0	21.80	21.87	21.83		
10	16QAM	25	12	21.78	21.79	21.78	23	2
10	16QAM	25	25	21.82	21.82	21.74		
10	64QAM	1	0	21.90	21.88	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	20.79	20.78	20.74	22	3
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		
				826.5	838.5	846.5		
5	QPSK	1	0	23.73	23.82	23.74		
5	QPSK	1	12	23.71	23.77	23.62	25	0
5	QPSK	1	24	23.68	23.64	23.67		
5	QPSK	12	0	22.77	22.81	22.78		
5	QPSK	12	7	22.78	22.79	22.71	24	1
5	QPSK	12	13	22.77	22.77	22.69		
5	QPSK	25	0	22.71	22.78	22.72		
5	16QAM	1	0	22.98	22.95	22.99		
5	16QAM	1	12	22.88	23.00	22.92	24	1
5	16QAM	1	24	22.97	22.92	22.90		
5	16QAM	12	0	21.70	21.82	21.78		
5	16QAM	12	7	21.68	21.69	21.66	23	2
5	16QAM	12	13	21.70	21.75	21.65		
5	64QAM	1	0	21.77	21.78	21.71		
5	64QAM	1	12	21.83	21.81	21.97	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	20.89	20.70	20.84	22	3
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		
				824.5	838.5	843.5		
3	QPSK	1	0	23.70	23.83	23.77		
3	QPSK	1	8	23.74	23.74	23.62	25	0
3	QPSK	1	14	23.72	23.66	23.64		
3	QPSK	8	0	22.78	22.79	22.75		
3	QPSK	8	4	22.74	22.74	22.73	24	1
3	QPSK	8	7	22.77	22.78	22.73		
3	QPSK	15	0	22.73	22.78	22.67		
3	16QAM	1	0	22.98	22.98	22.98		
3	16QAM	1	8	22.98	22.98	22.92	24	1
3	16QAM	1	14	22.98	22.89	22.89		
3	16QAM	8	0	21.76	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	21.78	21.68		
3	64QAM	1	0	21.85	21.81	21.97	23	2
3	64QAM	1	8	21.88	21.88	21.80		
3	64QAM	1	14	21.89	21.90	21.77		
3	64QAM	8	0	20.78	20.78	20.71		
3	64QAM	8	4	20.72	20.66	20.65	22	3
3	64QAM	8	7	20.73	20.69	20.66		
3	64QAM	15	0	20.74	20.73	20.72		
Channel								
Frequency (MHz)				20407	20525	20643		
				824.7	838.5	843.3		
1.4	QPSK	1	0	23.77	23.84	23.75		
1.4	QPSK	1	3	23.73	23.83	23.62	25	0
1.4	QPSK	1	5	23.71	23.83	23.83		
1.4	QPSK	3	0	22.77	22.81	22.75		
1.4	QPSK	3	1	22.71	22.74	22.63	25	0
1.4	QPSK	3	3	22.69	22.83	22.65		
1.4	QPSK	3	6	22.71	22.78	22.68	24	1
1.4	16QAM	1	0	22.85	22.96	22.82		
1.4	16QAM	1	3	22.91	23.01	22.92	24	1
1.4	16QAM	1	5	22.98	22.92	22.88		
1.4	16QAM	3	0	22.78	22.78	22.78	24	1
1.4	16QAM	3	1	22.72	22.79	22.72		
1.4	16QAM	3	3	22.73	22.76	22.66		
1.4	16QAM	6	0	21.73	21.78	21.70	23	2
1.4	64QAM	1	0	21.83	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	2
1.4	64QAM	3	0	21.72	21.82	21.76		
1.4	64QAM	3	1	21.76	21.71	21.71	23	2
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 Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MRR (dB)
Channel								
Frequency (MHz)				20590	21100	21550		
				2510	2535	2560		
20	QPSK	1	0	23.81	23.86	23.23	24.5	0
20	QPSK	1	49	23.80	23.80	22.98		
20	QPSK	1	99	23.80	23.25	23.68		
20	QPSK	50	0	22.87	22.87	22.23	23.5	1
20	QPSK	50	24	22.72	22.48	21.80		
20	QPSK	50	50	22.83	22.34	22.01		
20	QPSK	100	0	22.82	22.83	22.05		
20	16QAM	1	0	22.54	22.49	22.51	23.5	1
20	16QAM	1	49	22.40	22.46	21.81		
20	16QAM	1	99	22.41	22.21	21.85		
20	16QAM	50	0	21.84	21.87	20.87		
20	16QAM	50	24	21.54	21.67	20.86	22.5	2
20	16QAM	50	50	21.70	21.34	20.85		
20	16QAM	100	0	21.83	21.43	20.88		
20	16QAM	1	0	21.59	21.54	20.84	22.5	2
20	16QAM	1	49	21.83	21.72	20.87	22.5	2
20	16QAM	1	99	21.88	21.26	20.82		
20	16QAM	50	0	20.59	20.86	19.80	21.5	3
20	16QAM	50	24	20.87	20.46	19.87		
20	16QAM	50	50	20.74	20.37	19.85		
20	16QAM	100	0	20.87	20.42	19.86		
Channel								
Frequency (MHz)				20625	21100	21375		
				2507.5	2535	2562.5		
15	QPSK	1	0	23.53	23.80	23.18	24.5	0
15	QPSK	1	37	23.52	23.46	22.85		
15	QPSK	1	74	23.56	23.22	22.85		
15	QPSK	36	0	22.83	22.72	21.99	23.5	1
15	QPSK	36	20	22.80	22.39	21.95		
15	QPSK	36	39	22.82	22.20	21.88	23.5	1
15	QPSK	75	0	22.54	22.39	21.83		
15	16QAM	1	0	22.45	22.43	21.91	23.5	1
15	16QAM	1	37	22.31	22.39	21.89	23.5	1
15	16QAM	1	74	22.26	22.13	21.80		
15	16QAM	36	0	21.49	21.47	20.85	22.5	2
15	16QAM	36	20	21.66	21.33	20.80		
15	16QAM	36	39	21.83	21.19	20.87	22.5	2
15	16QAM	75	0	21.55	21.30	20.90		
15	64QAM	1	0	21.50	21.42	20.92	22.5	2
15	64QAM	1	37	21.89	21.59	20.92		
15	64QAM	1	74	21.83	21.18	20.82	21.5	3
15	64QAM	36	0	20.57	20.55	19.92		
15	64QAM	36	20	20.59	20.31	19.82	21.5	3
15	64QAM	36	39	20.62	20.17	19.93		
15	64QAM	75	0	20.85	20.33	19.93		
Channel								
Frequency (MHz)				20590	21100	21400		
				2500	2535	2570		
10	QPSK	1	0	23.55	23.65	23.36	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	22.83	22.71	22.05	23.5	1
10	QPSK	25	12	22.71	22.47	21.82		
10	QPSK	25	25	22.53	22.29	21.96		
10	QPSK	50	0	22.49	22.50	21		



Band 12_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								
				2350	2355	2355		
				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	49	23.30	23.33	23.33		
10	QPSK	25	0	22.20	22.23	22.20		
10	QPSK	25	25	22.20	22.23	22.30	23.5	1
10	QPSK	50	0	22.23	22.32	22.31		
10	16QAM	1	0	22.38	22.29	22.50		
10	16QAM	1	25	22.24	22.47	22.51	23.5	1
10	16QAM	1	49	22.48	22.49	22.60		
10	16QAM	25	0	21.17	21.18	21.27		
10	16QAM	25	12	21.14	21.23	21.28	22.5	2
10	16QAM	25	25	21.17	21.26	21.33		
10	64QAM	1	0	20.98	20.98	20.94		
10	64QAM	1	25	21.32	21.36	21.37		
10	64QAM	1	25	21.22	21.44	21.48	22.5	2
10	64QAM	1	49	21.33	21.41	21.52		
10	64QAM	25	0	20.21	20.20	20.27		
10	64QAM	25	12	20.29	20.38	20.34		
10	64QAM	25	25	20.34	20.27	20.31	21.5	3
10	64QAM	50	0	20.22	20.27	20.31		
Channel								
				2355	2355	2355		
				707.5	707.5	713.5		
5	QPSK	1	0	23.25	23.36	23.22		
5	QPSK	1	25	23.15	23.17	23.17	24.5	0
5	QPSK	1	49	23.22	23.26	23.18		
5	QPSK	25	0	22.12	22.38	22.22		
5	QPSK	25	25	22.18	22.18	22.27	23.5	1
5	QPSK	25	0	22.19	22.31	22.18		
5	16QAM	1	0	22.28	22.20	22.48		
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	25	0	21.08	21.12	21.12		
5	16QAM	25	7	21.02	21.26	21.29	22.5	2
5	16QAM	25	13	21.14	21.14	21.31		
5	16QAM	25	0	21.12	21.13	21.14		
5	64QAM	1	0	21.22	21.28	21.34	22.5	2
5	64QAM	1	12	21.16	21.42	21.48		
5	64QAM	1	24	21.28	21.36	21.39		
5	64QAM	25	0	20.12	20.17	20.22		
5	64QAM	25	7	20.13	20.13	20.28	21.5	3
5	64QAM	25	13	20.06	20.16	20.18		
5	64QAM	25	0	20.18	20.24	20.28		
Channel								
				2355	2355	2355		
				707.5	713.5	713.5		
3	QPSK	1	0	23.23	23.30	23.29		
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	22.21	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	22.14		
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	22.38	22.44	23.5	1
3	16QAM	1	14	22.38	22.42	22.56		
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	21.26	22.5	2
3	64QAM	1	21	21.21	21.40	21.45		
3	64QAM	1	14	21.27	21.29	21.47		
3	64QAM	8	0	20.13	20.11	20.18		
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								
				2355	2355	2355		
				697.7	707.5	713.5		
1.4	QPSK	1	0	23.28	23.32	23.24		
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	22.28	22.31	22.34		
1.4	QPSK	3	1	22.28	22.34	22.31	23.5	1
1.4	QPSK	3	3	22.23	22.25	22.28		
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	23.5	1
1.4	16QAM	1	5	22.38	22.29	22.51		
1.4	16QAM	3	0	22.18	22.29	22.24		
1.4	16QAM	3	1	22.14	21.28	22.21	22.5	2
1.4	16QAM	3	3	22.13	22.19	22.19		
1.4	16QAM	6	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	22.5	2
1.4	64QAM	1	5	21.27	21.31	21.45		
1.4	64QAM	3	0	21.08	21.12	21.21		
1.4	64QAM	3	1	21.07	21.13	21.18	21.5	3
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 Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MPR (dB)
Channel								
				2675	2685	2685		
				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	22.85	22.76	22.85		
15	QPSK	36	20	22.83	22.59	22.58		
15	QPSK	36	39	22.85	22.61	22.64	24	1
15	QPSK	75	0	22.87	22.68	22.62		
15	16QAM	1	0	22.91	22.96	22.81		
15	16QAM	1	37	22.98	22.98	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	21.55		
15	16QAM	75	0	21.70	21.65	21.88		
15	16QAM	75	37	21.73	21.83	21.79	23	2
15	16QAM	75	74	21.78	21.64	21.66		
15	16QAM	36	0	20.65	20.63	20.67		
15	16QAM	36	20	20.81	20.65	20.62	22	3
15	16QAM	36	39	20.69	20.65	20.58		
15	16QAM	75	0	20.67	20.65	20.62		
Channel								
				2675	2685	2690		
				819	831.5	844		
10	QPSK	1	0	23.86	23.73	23.58		
10	QPSK	1	25	23.98	23.84	23.46	25	0
10	QPSK	1	49	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	16QAM	1	0	22.79	22.85	22.77		
10	16QAM	1	25	22.73	22.91	22.76	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	21.52	21.59	21.59	23	2
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	2
10	64QAM	1	49	21.58	21.58	21.54		
10	64QAM	25	0	20.51	20.57	20.54		
10	64QAM	25	12	20.13	20.34	20.51	22	3
10	64QAM	25	25	20.52	20.59	20.55		
10	64QAM	50	0	20.39	20.54	20.47		
Channel								
				2675	2685	2703		
				815.5	831.5	848.5		
3	QPSK	1	0	23.71	23.73	23.69		
3	QPSK	1	12	23.59	23.66	23.58	25	0
3	QPSK	1	24	23.59	23.68	23.54		
3	QPSK	12	0	22.65	22.66	22.67		
3	QPSK	12	7	22.62	22.49	22.47	24	1
3	QPSK	13	0	22.58	22.63	22.61		
3	QPSK	25	0	22.55	22.63	22.49		
3	16QAM	1	0					



Band 66_Ant 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
132072 132322 132572										
1720 1745 1770										
20	QPSK	1	0	19.10	19.23	19.15				
20	QPSK	1	49	19.09	19.13	19.05	20.75	0		
20	QPSK	1	99	19.05	19.07	18.99				
20	QPSK	50	0	19.07	19.11	19.03	20.75	0		
20	QPSK	50	24	19.07	19.11	19.02				
20	QPSK	50	50	19.08	19.16	19.05				
20	QPSK	100	0	19.09	19.16	19.04				
20	16QAM	1	0	19.08	19.21	19.15				
20	16QAM	1	49	19.08	19.09	19.08	20.75	0		
20	16QAM	1	99	19.03	19.97	19.97				
20	16QAM	50	0	19.08	19.08	19.01				
20	16QAM	50	24	19.03	19.01	19.95	20.75	0		
20	16QAM	50	50	19.05	19.14	19.01				
20	16QAM	100	0	19.99	19.16	19.97				
20	64QAM	1	0	19.04	19.20	19.02				
20	64QAM	1	49	19.08	19.05	19.02	20.75	0		
20	64QAM	1	99	19.03	19.97	19.97				
20	64QAM	50	0	19.03	19.10	19.98				
20	64QAM	50	24	19.05	19.06	19.01	20.75	0		
20	64QAM	50	50	19.99	19.10	19.04				
20	64QAM	100	0	19.03	19.15	19.96				
Channel										
Frequency (MHz)										
132047 132322 132597										
1717.5 1745 1772.5										
15	QPSK	1	0	19.01	19.21	19.05				
15	QPSK	1	37	19.05	19.11	19.99	20.75	0		
15	QPSK	1	74	19.98	19.98	19.94				
15	QPSK	38	0	19.08	19.12	19.08				
15	QPSK	38	20	19.01	19.05	19.01	20.75	0		
15	QPSK	38	39	19.05	19.07	19.03				
15	QPSK	75	0	19.03	19.11	19.02				
15	16QAM	1	0	19.99	19.18	19.04				
15	16QAM	1	37	19.04	19.03	19.95	20.75	0		
15	16QAM	1	74	19.01	19.86	19.91				
15	16QAM	38	0	19.05	19.00	19.97				
15	16QAM	38	20	19.98	19.94	19.98	20.75	0		
15	16QAM	38	39	19.04	19.07	19.92				
15	16QAM	75	0	19.95	19.08	19.91				
15	64QAM	1	0	19.96	19.12	19.91				
15	64QAM	1	37	19.02	19.00	19.93	20.75	0		
15	64QAM	1	74	19.99	19.92	19.94				
15	64QAM	38	0	19.94	19.07	19.89				
15	64QAM	38	20	19.99	19.04	19.95	20.75	0		
15	64QAM	38	39	19.98	19.05	19.95				
15	64QAM	75	0	19.97	19.11	19.88				
Channel										
Frequency (MHz)										
132022 132322 132622										
1712.5 1745 1772.5										
10	QPSK	1	0	19.09	19.14	19.11				
10	QPSK	1	25	19.05	19.04	19.98	20.75	0		
10	QPSK	1	49	19.01	19.06	19.90				
10	QPSK	25	0	19.00	19.13	19.05				
10	QPSK	25	12	19.99	19.04	19.98	20.75	0		
10	QPSK	25	25	19.02	19.06	19.04				
10	QPSK	50	0	19.08	19.13	19.97				
10	16QAM	1	0	19.04	19.16	19.07				
10	16QAM	1	25	19.98	19.08	19.96	20.75	0		
10	16QAM	1	49	19.94	19.96	19.95				
10	16QAM	25	0	19.97	19.07	19.92				
10	16QAM	25	12	19.94	19.99	19.89	20.75	0		
10	16QAM	25	25	19.03	19.13	19.97				
10	16QAM	50	0	19.91	19.06	19.96				
10	64QAM	1	0	19.98	19.11	19.99				
10	64QAM	1	25	19.05	19.02	19.98	20.75	0		
10	64QAM	1	49	19.01	19.95	19.94				
10	64QAM	25	0	19.99	19.01	19.94				
10	64QAM	25	12	19.02	19.96	19.94	20.75	0		
10	64QAM	25	25	19.93	19.03	19.99				
10	64QAM	50	0	19.95	19.05	19.97				
Channel										
Frequency (MHz)										
131997 132322 132647										
1712.5 1745 1772.5										
5	QPSK	1	0	19.02	19.13	19.08				
5	QPSK	1	12	19.08	19.06	19.98	20.75	0		
5	QPSK	1	24	19.07	19.98	19.91				
5	QPSK	12	0	19.05	19.07	19.01				
5	QPSK	12	7	19.99	19.08	19.94	20.75	0		
5	QPSK	12	13	19.05	19.10	19.99				
5	QPSK	25	0	19.06	19.15	19.97				
5	16QAM	1	0	19.99	19.12	19.04				
5	16QAM	1	12	19.05	19.03	19.91	20.75	0		
5	16QAM	1	24	19.01	19.99	19.95				
5	16QAM	12	0	19.99	19.06	19.95				
5	16QAM	12	7	19.99	19.97	19.99	20.75	0		
5	16QAM	12	13	19.02	19.09	19.95				
5	16QAM	25	0	19.94	19.15	19.99				
5	64QAM	1	0	19.00	19.14	19.92				
5	64QAM	1	12	19.04	19.04	19.99	20.75	0		
5	64QAM	1	24	19.02	19.89	19.94				
5	64QAM	12	0	19.96	19.07	19.92				
5	64QAM	12	7	19.95	19.97	19.98	20.75	0		
5	64QAM	12	13	19.95	19.04	19.99				
5	64QAM	25	0	19.01	19.06	19.90				
Channel										
Frequency (MHz)										
131987 132322 132657										
1711.5 1745 1778.5										
3	QPSK	1	0	19.05	19.20	19.10				
3	QPSK	1	8	19.02	19.05	19.91	20.75	0		
3	QPSK	1	14	19.02	19.05	19.95				
3	QPSK	8	0	19.07	19.10	19.99				
3	QPSK	8	4	19.98	19.07	19.91	20.75	0		
3	QPSK	8	7	19.01	19.09	19.99				
3	QPSK	15	0	19.01	19.14	19.98				
3	16QAM	1	0	19.03	19.12	19.91				
3	16QAM	1	8	19.03	19.04	19.88	20.75	0		
3	16QAM	1	14	19.01	19.96	19.87				
3	16QAM	8	0	19.99	19.03	19.95				
3	16QAM	8	4	19.97	19.91	19.88	20.75	0		
3	16QAM	8	7	19.02	19.12	19.96				
3	16QAM	15	0	19.92	19.12	19.91				
3	64QAM	1	0	19.03	19.12	19.98				
3	64QAM	1	8	19.07	19.03	19.00	20.75	0		
3	64QAM	1	14	19.01	19.99	19.96				
3	64QAM	8	0	19.93	19.05	19.96				
3	64QAM	8	4	19.99	19.04	19.97	20.75	0		
3	64QAM	8	7	19.95	19.09	19.96				
3	64QAM	15	0	19.00	19.09	19.92				
Channel										
Frequency (MHz)										
131979 132322 132699										
1710.9 1745 1779.9										
1.4	QPSK	1	0	19.09	19.15	19.04				
1.4	QPSK	1	3	19.04	19.10	19.95	20.75	0		
1.4	QPSK	1	5	19.03	19.01	19.95				
1.4	QPSK	3	0	19.07	19.13	19.05				
1.4	QPSK	3	1	19.98	19.07	19.97				
1.4	QPSK	3	3	19.99	19.07	19.91				
1.4	QPSK	6	0	19.05	19.10	19.98	20.75	0		
1.4	16QAM	1	0	19.06	19.16	19.05				
1.4	16QAM	1	3	19.05	19.08	19.91				
1.4	16QAM	1	5	19.99	19.94	19.94	20.75	0		
1.4	16QAM	3	0	19.05	19.06	19.92				
1.4	16QAM	3	1	19.93	19.93	19.88				
1.4	16QAM	3	3	19.95	19.12	19.91				
1.4	16QAM	6	0	19.90	19.11	19.92	20.75	0		
1.4	64QAM	1	0	19.03	19.11	19.95				
1.4	64QAM	1	3	19.99	19.01	19.00				
1.4	64QAM	1	5	19.98	19.89	19.93	20.75	0		
1.4	64QAM	3	0	19.02	19.06	19.93				
1.4	64QAM	3	1	19.04	19.97	19.92				
1.4	64QAM	3	3	19.92	19.05	19.94				
1.4	64QAM	6	0	19.01	19.09	19.94	20.75	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		
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	0	23.50	23.43	23.39	24	0
20	QPSK	1	49	23.45	23.38	23.30	23	1
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	23	1
20	QPSK	100	0	22.51	22.42	22.32		
20	16QAM	1	0	22.65	22.73	22.51	23	1
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	22	2
20	16QAM	50	50	21.56	21.37	21.31		
20	16QAM	100	0	21.52	21.45	21.34	22	2
20	16QAM	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	21	3
20	64QAM	50	24	20.52	20.46	20.37		
20	64QAM	50	50	20.52	20.36	20.26	21	3
20	64QAM	100	0	20.50	20.47	20.32		
Channel				37825	38000	38175		
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	23.36	23.22	23	1
15	QPSK	1	74	23.31	23.15	22.96		
15	QPSK	36	0	22.53	22.52	22.40	23	1
15	QPSK	36	20	22.52	22.36	22.31		
15	QPSK	36	39	22.48	22.23	22.22	23	1
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	22	2
15	16QAM	36	0	21.52	21.49	21.37		
15	16QAM	36	20	21.53	21.35	21.39	22	2
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	22	2
15	64QAM	1	74	21.47	21.26	21.11		
15	64QAM	36	0	20.45	20.48	20.32	21	3
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		
10	QPSK	1	0	23.41	23.40	23.28	24	0
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	23	1
10	QPSK	25	12	22.50	22.34	22.35		
10	QPSK	25	25	22.38	22.26	22.13	23	1
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	22	2
10	16QAM	25	0	21.46	21.55	21.49		
10	16QAM	25	12	21.50	21.33	21.31	22	2
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	21	3
10	64QAM	1	49	21.45	21.26	21.10		
10	64QAM	25	0	20.41	20.49	20.36	21	3
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		
5	QPSK	1	0	23.35	23.42	23.30	24	0
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	23	1
5	QPSK	12	7	22.42	22.32	22.38		
5	QPSK	12	13	22.47	22.35	22.20	23	1
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	22	2
5	16QAM	12	0	21.43	21.44	21.46		
5	16QAM	12	7	21.53	21.38	21.30	22	2
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	22	2
5	64QAM	1	24	21.43	21.25	21.17		
5	64QAM	12	0	20.41	20.44	20.40	21	3
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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620		
Frequency (MHz)				2506	2549.5	2593		
20	QPSK	1	0	24.47	24.30	23.66	25	0
20	QPSK	1	49	24.65	24.26	23.60	24	1
20	QPSK	1	99	24.76	24.36	23.66		
20	QPSK	50	0	23.69	23.51	22.86	24	1
20	QPSK	50	24	23.75	23.59	22.73		
20	QPSK	50	50	23.82	23.67	22.91	24	1
20	QPSK	100	0	23.79	23.53	22.75		
20	16QAM	1	0	23.75	23.75	23.05	24	1
20	16QAM	1	49	23.87	23.70	22.95		
20	16QAM	1	99	23.86	23.60	22.80	23	2
20	16QAM	50	0	22.70	22.66	21.89		
20	16QAM	50	24	22.82	22.61	21.80	23	2
20	16QAM	50	50	22.86	22.60	21.71		
20	16QAM	100	0	22.79	22.56	21.78	23	2
20	64QAM	1	0	22.61	22.58	21.88		
20	64QAM	1	49	22.75	22.60	21.77	22	3
20	64QAM	1	99	22.82	22.42	21.64		
20	64QAM	50	0	21.68	21.60	20.85	22	3
20	64QAM	50	24	21.78	21.59	20.79		
20	64QAM	50	50	21.82	21.57	20.66	22	3
20	64QAM	100	0	21.80	21.55	20.77		
Channel				39725	40173	40620		
Frequency (MHz)				2503.5	2548.3	2593		
15	QPSK	1	0	24.34	24.18	23.64	25	0
15	QPSK	1	37	24.62	24.24	23.48	24	1
15	QPSK	1	74	24.65	24.24	23.64		
15	QPSK	36	0	23.68	23.44	22.74	24	1
15	QPSK	36	20	23.72	23.54	22.61		
15	QPSK	36	39	23.72	23.58	22.81	24	1
15	QPSK	75	0	23.72	23.45	22.67		
15	16QAM	1	0	23.69	23.73	23.00	24	1
15	16QAM	1	37	23.82	23.58	22.83		
15	16QAM	1	74	23.82	23.50	22.70	23	2
15	16QAM	36	0	22.55	22.56	21.83		
15	16QAM	36	20	22.74	22.56	21.70	23	2
15	16QAM	36	39	22.80	22.45	21.66		
15	16QAM	75	0	22.75	22.47	21.73	23	2
15	64QAM	1	0	22.60	22.57	21.78		
15	64QAM	1	37	22.68	22.50	21.66	22	3
15	64QAM	1	74	22.69	22.31	21.54		
15	64QAM	36	0	21.67	21.52	20.81	22	3
15	64QAM	36	20	21.65	21.47	20.64		
15	64QAM	36	39	21.75	21.46	20.53	22	3
15	64QAM	75	0	21.69	21.54	20.72		
Channel				39700	40160	40620		
Frequency (MHz)				2501	2547	2593		
10	QPSK	1	0	24.40	24.27	23.58	25	0
10	QPSK	1	25	24.59	24.14	23.49	24	1
10	QPSK	1	49	24.74	24.27	23.56		
10	QPSK	25	0	23.54	23.47	22.73	24	1
10	QPSK	25	12	23.71	23.48	22.66		
10	QPSK	25	25	23.68	23.63	22.90	24	1
10	QPSK	50	0	23.71	23.38	22.72		
10	16Q							



Reduced Power Mode for ECI 3 ENDC

Band 2_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPR (dB)				
Channel		Frequency (MHz)			1890	1880	1900					
20	QPSK	1	0	19.03	19.10	18.81						
20	QPSK	1	49	18.92	18.88	18.79	20.5	0				
20	QPSK	1	99	18.74	18.83	18.80						
20	QPSK	50	0	18.86	18.86	18.89						
20	QPSK	50	50	18.68	18.77	18.76	20.5	0				
20	QPSK	100	0	18.98	19.03	18.75						
20	16QAM	1	0	18.95	19.06	18.79						
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	18.70						
20	16QAM	50	24	18.81	18.99	18.68	20.5	0				
20	16QAM	50	50	18.69	18.67	18.72						
20	64QAM	1	0	18.98	19.04	18.75						
20	64QAM	1	49	18.87	18.89	18.69	20.5	0				
20	64QAM	1	99	18.71	18.83	18.70						
20	64QAM	50	0	18.91	18.97	18.71						
20	64QAM	50	24	18.80	18.85	18.66	20.5	0				
20	64QAM	50	50	18.59	18.67	18.71						
20	64QAM	100	0	18.96	19.05	18.85						
Channel		Frequency (MHz)			18675	18600	19125	Tune-up (dB)	MPR (dB)			
15	QPSK	1	0	19.02	19.06	18.73						
15	QPSK	1	37	18.98	18.98	18.71	20.5	0				
15	QPSK	1	74	18.71	18.79	18.87						
15	QPSK	36	0	18.93	18.98	18.74						
15	QPSK	36	20	18.82	18.85	18.66	20.5	0				
15	QPSK	36	39	18.65	18.71	18.74						
15	QPSK	75	0	18.99	18.95	18.66						
15	16QAM	1	0	18.87	19.02	18.70						
15	16QAM	1	37	18.86	18.98	18.68	20.5	0				
15	16QAM	1	74	18.61	18.70	18.85						
15	16QAM	36	0	18.85	18.95	18.61						
15	16QAM	36	20	18.76	18.85	18.66	20.5	0				
15	16QAM	36	39	18.57	18.57	18.70						
15	16QAM	75	0	18.91	18.99	18.64						
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	18.59	18.65	18.70						
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	18.56	18.63	18.70						
15	64QAM	75	0	18.90	19.02	18.67						
Channel		Frequency (MHz)			18850	18900	19150	Tune-up (dB)	MPR (dB)			
10	QPSK	1	0	18.99	19.05	18.71						
10	QPSK	1	25	18.99	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	18.70						
10	QPSK	25	12	18.78	18.80	18.66	20.5	0				
10	QPSK	25	25	18.68	18.73	18.66						
10	QPSK	50	0	18.90	18.98	18.70						
10	16QAM	1	0	18.93	19.05	18.72						
10	16QAM	1	25	18.88	18.83	18.74	20.5	0				
10	16QAM	1	49	18.58	18.78	18.67						
10	16QAM	25	0	18.90	18.98	18.68						
10	16QAM	25	12	18.72	18.85	18.63	20.5	0				
10	16QAM	25	25	18.51	18.66	18.70						
10	16QAM	50	0	18.87	18.97	18.62						
10	64QAM	1	0	18.91	18.94	18.62	20.5	0				
10	64QAM	1	25	18.84	18.84	18.59						
10	64QAM	25	0	18.89	18.98	18.69						
10	64QAM	25	12	18.76	18.96	18.68	20.5	0				
10	64QAM	25	25	18.57	18.62	18.61						
10	64QAM	50	0	18.86	18.98	18.59						
Channel		Frequency (MHz)			19225	18800	19075	Tune-up (dB)	MPR (dB)			
5	QPSK	1	0	18.94	19.04	18.71						
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	18.64						
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	18.74						
5	16QAM	1	12	18.91	18.84	18.69	20.5	0				
5	16QAM	1	24	18.63	18.73	18.68						
5	16QAM	12	0	18.86	18.99	18.68						
5	16QAM	12	7	18.73	18.85	18.59	20.5	0				
5	16QAM	12	13	18.58	18.67	18.70						
5	16QAM	25	0	18.86	18.93	18.58						
5	64QAM	1	0	18.91	19.03	18.74						
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	18.70						
5	64QAM	12	7	18.73	18.81	18.60	20.5	0				
5	64QAM	12	13	18.52	18.61	18.64						
5	64QAM	25	0	18.90	19.02	18.55						
Channel		Frequency (MHz)			18815	18900	19165	Tune-up (dB)	MPR (dB)			
3	QPSK	1	0	19.02	19.05	18.76						
3	QPSK	1	8	18.92	18.98	18.70	20.5	0				
3	QPSK	1	14	18.66	18.77	18.72						
3	QPSK	8	0	18.97	19.00	18.76						
3	QPSK	8	4	18.78	18.81	18.59	20.5	0				
3	QPSK	15	0	18.65	18.75	18.69						
3	16QAM	1	0	18.99	19.07	18.71						
3	16QAM	1	8	18.88	18.85	18.73	20.5	0				
3	16QAM	1	14	18.57	18.70	18.65						
3	16QAM	8	0	18.87	18.95	18.65						
3	16QAM	8	4	18.78	18.89	18.64	20.5	0				
3	16QAM	8	7	18.53	18.59	18.63						
3	16QAM	15	0	18.90	18.96	18.59						
3	64QAM	1	0	18.90	19.00	18.72						
3	64QAM	1	8	18.83	18.82	18.61	20.5	0				
3	64QAM	1	14	18.60	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	18.56	18.59	18.64						
3	64QAM	15	0	18.86	19.02	18.55						
Channel		Frequency (MHz)			18920	18900	18920	Tune-up (dB)	MPR (dB)			
1.4	QPSK	1	0	18.93	19.00	18.71						
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	18.91	19.00	18.70						
1.4	QPSK	3	1	18.78	18.81	18.62	20.5	0				
1.4	QPSK	3	3	18.61	18.74	18.71						
1.4	QPSK	6	0	18.97	18.99	18.73	20.5	0				
1.4	16QAM	1	0	18.90	19.04	18.69						
1.4	16QAM	1	3	18.87	18.84	18.70	20.5	0				
1.4	16QAM	1	4	18.69	18.76	18.69						
1.4	16QAM	3	0	18.90	18.98	18.65						
1.4	16QAM	3	1	18.80	18.90	18.66	20.5	0				
1.4	16QAM	3	3	18.57	18.67	18.70						
1.4	16QAM	6	0	18.88	18.95	18.62	20.5	0				
1.4	64QAM	1	0	18.98	19.07	18.63						
1.4	64QAM	1	3	18.70	18.55	18.60	20.5	0				
1.4	64QAM	1	5	18.68	18.74	18.63						
1.4	64QAM	3	0	18.84	18.96	18.67						
1.4	64QAM	3	1	18.73	18.86	18.62	20.5	0				
1.4	64QAM	3	3	18.56	18.62	18.66						
1.4	64QAM	6	0	18.91	18.98	18.55	20.5	0				

Band 4_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPR (dB)				
Channel		Frequency (MHz)			20650	20175	20350					
20	QPSK	1	0	17.05	17.70	17.43						
20	QPSK	1	49	17.40	17.58	17.39	18	0				
20	QPSK	1	99	17.51	17.52	17.26						
20	QPSK	50	0	17.28	17.55	17.28						
20	QPSK	50	24	17.35	17.55	17.26	18	0				
20	QPSK	50	50	17.47	17.50	17.18						
20	QPSK	100	0	17.45	17.66	17.36						
20	16QAM	1	0	17.50	17.69	17.38						



Band 5_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up line (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				20450	20525	20600	844			
10	QPSK	1	0	22.38	22.38	22.32				
10	QPSK	1	25	22.26	22.29	22.20		23.5	0	
10	QPSK	1	49	22.18	22.24	22.13				
10	QPSK	25	0	22.22	22.26	22.22				
10	QPSK	25	12	22.20	22.24	22.13				
10	QPSK	25	25	22.17	22.19	22.05		23.5	0	
10	QPSK	50	0	22.23	22.32	22.26				
10	16QAM	1	0	22.25	22.36	22.27				
10	16QAM	1	25	22.18	22.21	22.08		23.5	0	
10	16QAM	1	49	22.10	22.18	22.08				
10	16QAM	25	0	21.80	21.87	21.83				
10	16QAM	25	12	21.78	21.79	21.78		23	0.5	
10	16QAM	25	25	21.82	21.82	21.74				
10	64QAM	1	0	21.82	21.78	21.84				
10	64QAM	1	49	21.80	21.88	21.83				
10	64QAM	25	0	20.82	20.83	20.79				
10	64QAM	25	12	20.78	20.76	20.74		22	1.5	
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		Tune-up line (dBm)	MPR (dB)	
5	QPSK	1	0	22.18	22.37	22.29				
5	QPSK	1	12	22.18	22.27	22.12		23.5	0	
5	QPSK	1	24	22.18	22.18	22.12				
5	QPSK	12	0	22.17	22.25	22.21				
5	QPSK	12	7	22.13	22.21	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	22.18		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	21.69	21.66		23	0.5	
5	16QAM	12	13	21.70	21.75	21.65				
5	64QAM	1	0	21.77	21.78	21.71				
5	64QAM	1	12	21.81	21.81	21.87		23	0.5	
5	64QAM	1	24	21.88	21.91	21.97				
5	64QAM	12	0	20.73	20.77	20.73				
5	64QAM	12	7	20.69	20.70	20.64		22	1.5	
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		Tune-up line (dBm)	MPR (dB)	
3	QPSK	1	0	22.27	22.29	22.27				
3	QPSK	1	8	22.20	22.24	22.13		23.5	0	
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	22.08	22.11	21.99				
3	16QAM	8	0	21.78	21.77	21.74				
3	16QAM	8	4	21.72	21.71	21.71		23	0.5	
3	16QAM	8	7	21.76	21.76	21.65				
3	16QAM	15	0	21.77	21.78	21.88				
3	64QAM	1	0	21.85	21.81	21.97		23	0.5	
3	64QAM	1	8	21.82	21.98	21.90				
3	64QAM	1	14	21.89	21.90	21.77				
3	64QAM	8	0	20.78	20.78	20.71				
3	64QAM	8	4	20.72	20.66	20.65		22	1.5	
3	64QAM	8	7	20.72	20.69	20.66				
3	64QAM	15	0	20.74	20.73	20.72				
Channel										
Frequency (MHz)				20427	20525	20643		Tune-up line (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.30	22.35	22.32				
1.4	QPSK	1	3	22.22	22.20	22.14				
1.4	QPSK	1	5	22.08	22.20	22.04		23.5	0	
1.4	QPSK	3	0	22.18	22.24	22.16				
1.4	QPSK	3	1	22.17	22.20	22.11				
1.4	QPSK	3	3	22.00	22.18	22.03				
1.4	16QAM	1	0	22.15	22.24	22.19		23.5	0	
1.4	16QAM	1	3	22.09	22.14	22.22				
1.4	16QAM	1	5	22.04	22.14	21.98				
1.4	16QAM	3	0	22.20	22.24	22.23		23.5	0	
1.4	16QAM	3	1	22.15	22.12	22.13				
1.4	16QAM	3	3	22.08	22.14	22.06				
1.4	64QAM	1	0	21.73	21.78	21.76		23	0.5	
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	21.76	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	1.5	

Band 7_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up line (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				20950	21100	21350	2560			
20	QPSK	1	0	19.13	19.18	18.74				
20	QPSK	1	49	19.12	19.21	18.41		20	0	
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	QPSK	50	50	19.02	18.68	18.53		20	0	
20	QPSK	100	0	19.01	19.10	18.70				
20	16QAM	1	0	19.08	19.17	18.71				
20	16QAM	1	49	19.03	19.09	18.33		20	0	
20	16QAM	1	99	19.05	18.71	18.51				
20	16QAM	50	0	19.04	19.03	18.63				
20	16QAM	50	24	19.00	18.91	18.30		20	0	
20	16QAM	50	50	18.96	18.67	18.50				
20	16QAM	100	0	18.96	19.04	18.67				
20	64QAM	1	0	19.07	19.15	18.88				
20	64QAM	1	49	19.10	18.96	18.92				
20	64QAM	1	99	18.99	18.69	18.50				
20	64QAM	50	0	19.07	19.12	18.66				
20	64QAM	50	24	18.95	18.99	18.34				
20	64QAM	50	50	18.93	18.62	18.50				
20	64QAM	100	0	18.96	19.04	18.63				
Channel										
Frequency (MHz)				20925	21100	21375		Tune-up line (dBm)	MPR (dB)	
15	QPSK	1	0	19.11	19.15	18.65				
15	QPSK	1	37	19.07	18.98	18.31		20	0	
15	QPSK	1	74	19.05	19.09	18.53				
15	QPSK	36	0	19.08	19.11	18.65				
15	QPSK	36	20	19.00	18.98	18.31		20	0	
15	QPSK	36	39	18.92	18.59	18.52				
15	QPSK	75	0	18.97	19.06	18.68				
15	16QAM	1	0	18.99	19.13	18.64				
15	16QAM	1	37	19.02	18.89	18.26		20	0	
15	16QAM	1	74	18.95	18.66	18.42				
15	16QAM	36	0	18.95	19.00	18.55				
15	16QAM	36	20	18.92	18.96	18.26		20	0	
15	16QAM	36	39	18.85	18.64	18.43				
15	16QAM	75	0	18.95	19.02	18.58				
15	64QAM	1	0	19.06	19.08	18.63				
15	64QAM	1	37	19.07	18.88	18.30		20	0	
15	64QAM	1	74	18.99	18.92	18.48				
15	64QAM	36	0	19.00	19.10	18.65				
15	64QAM	36	20	19.02	18.88	18.31		20	0	
15	64QAM	36	39	18.87	18.64	18.45				
15	64QAM	75	0	18.97	19.00	18.58				
Channel										
Frequency (MHz)				20900	21100	21400		Tune-up line (dBm)	MPR (dB)	
10	QPSK	1	0	19.05	19.15	18.72				
10	QPSK	1	25	19.02	18.95	18.34		20	0	
10	QPSK	1	49	18.99	18.78	18.54				
10	QPSK	25	0	19.02	19.07	18.68				
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	19.14	18.62				
10	16QAM	1	25	18.99	18.90	18.30		20	0	
10	16QAM	1	49	19.02	18.68	18.48				
10	16QAM	25	0	18.95	19.07	18.56				
10	16QAM	25	12	18.96	18.82	18.29				
10	16QAM	25	25	18.93	18.61	18.42				
10	16QAM	50	0	18.93	18.98	18.64				
10	16QAM	1	0	19.01	19.08	18.63				
10	16QAM	1	25	19.07	19.02	18.27		20	0	
10	16QAM	1	49	18.92	18.64	18.41				
10	16QAM	25	0	18.97	19.02	18.56				
10	16QAM	25	12	18.98	18.84	18.33		20	0	
10	16QAM	25	25	18.95	18.64	18.45				
10	16QAM	50	0	18.93						



Band 12_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			23050	23055	23155		
	Frequency (MHz)			707.5	707.5	711		
10	QPSK	1	0	23.38	23.44	23.38		
10	QPSK	1	25	22.18	22.23	22.28	23.5	0
10	QPSK	1	49	23.31	22.29	22.30		
10	QPSK	25	0	22.27	22.30	22.24		
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	22.34	22.38	22.28		
10	16QAM	1	25	22.09	22.15	22.29	23.5	0
10	16QAM	1	49	22.28	22.21	22.23		
10	16QAM	25	0	21.17	21.18	21.27		
10	16QAM	25	12	21.14	21.23	21.28	22.5	1
10	16QAM	25	25	21.17	21.26	21.33		
10	64QAM	1	0	21.29	21.34	21.34		
10	64QAM	1	25	21.32	21.36	21.37		
10	64QAM	1	49	21.22	21.44	21.48	22.5	1
10	64QAM	1	74	21.33	21.41	21.52		
10	64QAM	25	0	20.21	20.20	20.27		
10	64QAM	25	12	20.28	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			23055	23065	23155		
	Frequency (MHz)			707.5	707.5	713.5		
5	QPSK	1	0	22.36	22.36	22.26		
5	QPSK	1	25	22.10	22.18	22.28	23.5	0
5	QPSK	1	49	22.30	22.21	22.21		
5	QPSK	12	0	22.30	22.28	22.27		
5	QPSK	12	7	22.05	22.15	22.23	23.5	0
5	QPSK	12	13	22.17	22.15	22.21		
5	QPSK	25	0	22.32	22.34	22.24		
5	16QAM	1	0	22.36	22.36	22.18		
5	16QAM	1	12	22.02	22.05	22.18	23.5	0
5	16QAM	1	24	22.22	22.16	22.22		
5	16QAM	12	0	21.08	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	21.13	21.13	21.14		
5	64QAM	1	0	21.22	21.28	21.36		
5	64QAM	1	12	21.16	21.42	21.46	22.5	1
5	64QAM	1	24	21.28	21.28	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	20.06	20.16	20.18		
5	64QAM	25	0	20.18	20.24	20.28		
	Channel			23065	23065	23155		
	Frequency (MHz)			707.5	713.5	713.5		
3	QPSK	1	0	22.27	22.29	22.24		
3	QPSK	1	8	22.18	22.22	22.21	23.5	0
3	QPSK	1	14	22.24	22.28	22.28		
3	QPSK	8	0	22.20	22.26	22.19		
3	QPSK	8	4	22.08	22.11	22.16	23.5	0
3	QPSK	8	7	22.02	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	21.25		
3	16QAM	15	0	21.10	21.17	21.20		
3	64QAM	1	0	21.19	21.23	21.26		
3	64QAM	1	8	21.21	21.31	21.45	22.5	1
3	64QAM	1	14	21.27	21.29	21.47		
3	64QAM	8	0	20.13	20.11	20.16		
3	64QAM	8	4	20.15	20.09	20.23	21.5	2
3	64QAM	8	7	20.22	20.16	20.21		
3	64QAM	15	0	20.12	20.15	20.24		
	Channel			23070	23065	23170		
	Frequency (MHz)			697.7	707.5	713.5		
1.4	QPSK	1	0	23.34	22.24	22.26		
1.4	QPSK	1	3	22.13	22.20	22.27		
1.4	QPSK	1	5	22.27	22.20	22.25	23.5	0
1.4	QPSK	3	0	22.27	22.26	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	6	0	22.27	22.28	22.25	23.5	0
1.4	16QAM	1	0	22.24	22.28	22.16		
1.4	16QAM	1	3	22.03	22.10	22.19	23.5	0
1.4	16QAM	1	5	22.24	22.19	22.18		
1.4	16QAM	3	0	22.32	22.33	22.19		
1.4	16QAM	3	1	22.04	22.12	22.20	23.5	0
1.4	16QAM	3	3	22.25	22.20	22.16		
1.4	16QAM	6	0	21.11	21.09	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	21.03	21.12	21.21		
1.4	64QAM	3	1	21.07	21.13	21.18		
1.4	64QAM	3	3	21.08	21.15	21.24	21.5	2
1.4	64QAM	6	0	20.11	20.17	20.24	21.5	2

Band 26_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MPR (dB)
	Channel			26795	26865	26965		
	Frequency (MHz)			821.5	831.5	841.5		
15	QPSK	1	0	23.25	23.25	23.15		
15	QPSK	1	37	23.09	23.12	23.11	24.5	0
15	QPSK	1	74	23.07	23.12	23.08		
15	QPSK	36	0	22.65	22.70	22.63		
15	QPSK	36	20	22.63	22.59	22.58	24	0.5
15	QPSK	36	39	22.65	22.61	22.64		
15	QPSK	75	0	22.67	22.68	22.62		
15	16QAM	1	0	22.91	22.96	22.81		
15	16QAM	1	37	22.89	22.98	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	21.66	21.64	21.65		
15	16QAM	75	0	21.70	21.65	21.88		
15	64QAM	1	0	21.73	21.83	21.79	23	1.5
15	64QAM	1	74	21.78	21.64	21.86		
15	64QAM	36	0	20.65	20.63	20.67		
15	64QAM	36	20	20.81	20.66	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			26740	26865	26960		
	Frequency (MHz)			819	831.5	844		
10	QPSK	1	0	23.19	23.16	23.08		
10	QPSK	1	25	23.08	23.18	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	22.73	22.72		
10	16QAM	25	0	21.80	21.48	21.61		
10	16QAM	25	12	21.23	21.29	21.28	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	21.66	21.71	21.72	23	1.5
10	64QAM	1	49	21.59	21.59	21.59		
10	64QAM	25	0	20.51	20.57	20.54		
10	64QAM	25	12	20.33	20.54	20.51	22	2.5
10	64QAM	25	25	20.52	20.59	20.55		
10	64QAM	50	0	20.59	20.54	20.47		
	Channel			26715	26865	27015		
	Frequency (MHz)			821.5	831.5	844.5		
5	QPSK	1	0	23.32	23.34	23.34		
5	QPSK	1	12	23.03	23.03	23.05	24.5	0
5	QPSK	1	24	23.05	23.08	23.02		
5	QPSK	12	0	22.65	22.66	22.67		
5	QPSK	12	7	22.82	22.49	22.47	24	0.5
5	QPSK	13	0	22.58	22.66	22.6		

Band 66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MRR (dB)	
Channel				132072	132322	132572			
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	18.11	18.23	18.18			
20	QPSK	50	24	18.15	18.18	18.17			
20	QPSK	50	50	18.12	18.16	18.14			
20	QPSK	100	0	18.13	18.16	18.15			
20	16QAM	1	0	18.17	18.15	18.16	20	0	
20	16QAM	1	49	18.08	18.10	18.06			
20	16QAM	1	99	18.11	18.12	18.02			
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	16QAM	100	0	18.11	18.07	18.06			
20	64QAM	1	0	18.16	18.20	18.12	20	0	
20	64QAM	1	49	18.09	18.13	18.13			
20	64QAM	1	99	18.07	18.15	18.03			
20	64QAM	50	0	18.14	18.21	18.17			
20	64QAM	50	24	18.11	18.08	18.10			
20	64QAM	50	50	18.04	18.14	18.12			
20	64QAM	100	0	18.12	18.13	18.10			
Channel				132047	132322	132607			
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	18.16	18.16			
15	QPSK	1	74	18.02	18.11	18.06			
15	QPSK	36	0	18.11	18.20	18.16			
15	QPSK	36	20	18.06	18.11	18.12			
15	QPSK	36	39	18.09	18.09	18.13			
15	QPSK	75	0	18.03	18.08	18.09			
15	16QAM	1	0	18.12	18.10	18.14	20	0	
15	16QAM	1	37	18.02	18.18	18.05			
15	16QAM	1	74	18.07	18.08	18.02			
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			
15	16QAM	75	0	18.09	18.05	18.02			
15	64QAM	1	0	18.06	18.15	18.08	20	0	
15	64QAM	1	37	18.05	18.03	18.06			
15	64QAM	1	74	18.04	18.09	18.05			
15	64QAM	36	0	18.11	18.12	18.12			
15	64QAM	36	20	18.02	18.15	18.04			
15	64QAM	36	39	18.00	18.10	18.02			
15	64QAM	75	0	18.03	18.08	18.04			
Channel				132022	132322	132622			
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			
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			
10	16QAM	1	0	18.07	18.13	18.07	20	0	
10	16QAM	1	25	18.04	18.17	18.02			
10	16QAM	1	49	18.09	18.04	18.03			
10	16QAM	25	0	18.10	18.09	18.12			
10	16QAM	25	12	18.08	18.02	18.07			
10	16QAM	25	25	18.00	18.09	18.05			
10	16QAM	50	0	18.08	18.04	18.01			
10	64QAM	1	0	18.06	18.16	18.02	20	0	
10	64QAM	1	25	18.03	18.08	18.03			
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			
10	64QAM	25	25	18.03	18.07	18.03			
10	64QAM	50	0	18.02	18.06	18.07			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
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	18.16	18.16	18.14			
5	QPSK	12	7	18.14	18.15	18.08			
5	QPSK	12	13	18.05	18.12	18.00			
5	QPSK	25	0	18.12	18.06	18.05			
5	16QAM	1	0	18.16	18.13	18.14	20	0	
5	16QAM	1	12	18.04	18.12	18.09			
5	16QAM	1	24	18.06	18.06	18.02			
5	16QAM	12	0	18.09	18.00	18.00			
5	16QAM	12	7	18.02	18.03	18.12			
5	16QAM	12	13	18.09	18.03	18.06			
5	16QAM	25	0	18.07	18.04	18.01			
5	64QAM	1	0	18.10	18.11	18.07	20	0	
5	64QAM	1	12	18.07	18.07	18.11			
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	18.08			
5	64QAM	12	13	18.04	18.11	18.03			
5	64QAM	25	0	18.03	18.08	18.08			
Channel				131967	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.18	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			
3	QPSK	8	4	18.05	18.12	18.10			
3	QPSK	8	7	18.05	18.05	18.08			
3	QPSK	15	0	18.10	18.07	18.10			
3	16QAM	1	0	18.11	18.11	18.10	20	0	
3	16QAM	1	8	18.03	18.15	18.02			
3	16QAM	1	14	18.05	18.08	18.04			
3	16QAM	8	0	18.09	18.06	18.06			
3	16QAM	8	4	18.09	18.01	18.05			
3	16QAM	8	7	18.01	18.09	18.06			
3	16QAM	15	0	18.04	18.04	18.05			
3	64QAM	1	0	18.09	18.12	18.05	20	0	
3	64QAM	1	8	18.07	18.05	18.07			
3	64QAM	1	14	18.01	18.12	18.00			
3	64QAM	8	0	18.10	18.14	18.09			
3	64QAM	8	4	18.08	18.00	18.04			
3	64QAM	8	7	18.00	18.13	18.06			
3	64QAM	15	0	18.06	18.06	18.04			
Channel				131979	132322	132659			
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	18.12	18.18	18.08			
1.4	QPSK	1	5	18.04	18.08	18.10			
1.4	QPSK	3	0	18.16	18.21	18.16			
1.4	QPSK	3	1	18.13	18.17	18.10			
1.4	QPSK	3	3	18.08	18.10	18.05			
1.4	QPSK	6	0	18.12	18.08	18.14			
1.4	16QAM	1	0	18.07	18.13	18.08	20	0	
1.4	16QAM	1	3	18.07	18.10	18.04			
1.4	16QAM	1	5	18.09	18.11	18.02			
1.4	16QAM	3	0	18.04	18.00	18.09			
1.4	16QAM	3	1	18.09	18.01	18.13			
1.4	16QAM	3	3	18.07	18.03	18.05			
1.4	16QAM	6	0	18.01	18.04	18.05			
1.4	64QAM	1	0	18.10	18.17	18.05	20	0	
1.4	64QAM	1	3	18.00	18.11	18.12			
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	18.05	18.01			
1.4	64QAM	3	3	18.03	18.08	18.08			
1.4	64QAM	6	0	18.09	18.08	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	QPSK	1	49	19.93	19.92	19.75	20.5	0		
20	QPSK	1	99	19.86	19.74	19.62				
20	QPSK	50	0	19.95	19.88	19.78				
20	QPSK	50	24	19.92	19.86	19.72	20.5	0		
20	QPSK	50	50	19.77	19.72	19.61				
20	QPSK	100	0	19.94	19.89	19.78				
20	16QAM	1	0	19.98	19.87	19.76				
20	16QAM	1	49	19.83	19.86	19.65	20.5	0		
20	16QAM	1	99	19.83	19.73	19.60				
20	16QAM	50	0	19.89	19.86	19.71				
20	16QAM	50	24	19.91	19.81	19.68	20.5	0		
20	16QAM	50	50	19.75	19.66	19.54				
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		
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		
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				
15	QPSK	1	37	19.88	19.85	19.73	20.5	0		
15	QPSK	1	74	19.83	19.72	19.52				
15	QPSK	36	0	19.86	19.84	19.75				
15	QPSK	36	20	19.89	19.84	19.87	20.5	0		
15	QPSK	36	39	19.74	19.67	19.58				
15	QPSK	75	0	19.84	19.86	19.72				
15	16QAM	1	0	19.90	19.81	19.69				
15	16QAM	1	37	19.81	19.82	19.61	20.5	0		
15	16QAM	1	74	19.80	19.67	19.54				
15	16QAM	36	0	19.86	19.83	19.63				
15	16QAM	36	20	19.83	19.72	19.67	20.5	0		
15	16QAM	36	39	19.69	19.60	19.52				
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		
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		
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				
10	QPSK	1	25	19.86	19.87	19.70	20.5	0		
10	QPSK	1	49	19.80	19.72	19.59				
10	QPSK	25	0	19.90	19.86	19.72				
10	QPSK	25	12	19.82	19.80	19.66	20.5	0		
10	QPSK	25	25	19.67	19.66	19.57				
10	QPSK	50	0	19.86	19.88	19.71				
10	16QAM	1	0	19.88	19.80	19.69				
10	16QAM	1	25	19.79	19.83	19.56	20.5	0		
10	16QAM	1	49	19.80	19.69	19.54				
10	16QAM	25	0	19.85	19.82	19.62				
10	16QAM	25	12	19.89	19.77	19.62	20.5	0		
10	16QAM	25	25	19.74	19.59	19.45				
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		
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		
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				
5	QPSK	1	12	19.84	19.89	19.70	20.5	0		
5	QPSK	1	24	19.76	19.72	19.53				
5	QPSK	12	0	19.89	19.86	19.74				
5	QPSK	12	7	19.88	19.80	19.71	20.5	0		
5	QPSK	12	13	19.71	19.62	19.59				
5	QPSK	25	0	19.91	19.88	19.72				
5	16QAM	1	0	19.97	19.85	19.67				
5	16QAM	1	12	19.79	19.76	19.62	20.5	0		
5	16QAM	1	24	19.78	19.65	19.56				
5	16QAM	12	0	19.79	19.80	19.70				
5	16QAM	12	7	19.87	19.73	19.63	20.5	0		
5	16QAM	12	13	19.66	19.58	19.52				
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		
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		
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.	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	20.94	20.80	20.18	19.49	19.64		
20	QPSK	1	49	21.13	20.76	20.13	19.52	19.61	21.25	0
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		
20	QPSK	50	24	21.09	20.75	20.08	19.54	19.53	21.25	0
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		
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	21.25	0
20	16QAM	1	99	21.15	20.77	20.13	19.51	19.66		
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	21.25	0
20	16QAM	50	50	21.10	20.80	20.06	19.54	19.65		
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	0
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	0
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)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.93	20.74	20.09	19.40	19.54		
15	QPSK	1	37	21.07	20.69	20.11	19.44	19.51	21.25	0
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		
15	QPSK	36	20	21.02	20.69	20.04	19.44	19.50	21.25	0
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		
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	21.25	0
15	16QAM	1	74	21.						



Reduced Power Mode for ECI 4 ENDC

Band 2_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.05	23.08	22.85	24.5	0		
20	QPSK	1	49	22.89	22.73	22.84	24.5	0		
20	QPSK	1	99	22.79	22.82	22.75	24.5	0		
20	QPSK	50	0	21.93	21.77	21.74	23.5	1		
20	QPSK	50	50	21.96	21.99	21.79	23.5	1		
20	QPSK	100	0	21.88	21.96	21.78	23.5	1		
20	16QAM	1	0	22.10	21.88	21.99	23.5	1		
20	16QAM	1	49	22.12	22.08	21.96	23.5	1		
20	16QAM	1	99	22.11	22.06	22.03	23.5	1		
20	16QAM	50	0	21.04	20.88	20.73	22.5	2		
20	16QAM	50	24	20.99	20.77	20.82	22.5	2		
20	16QAM	50	50	20.91	21.05	20.84	22.5	2		
20	16QAM	100	0	20.96	20.74	20.75	22.5	2		
20	16QAM	1	0	20.88	21.10	21.04	22.5	2		
20	16QAM	1	49	21.10	20.78	20.95	22.5	2		
20	16QAM	1	99	21.01	20.91	20.98	22.5	2		
20	16QAM	50	0	20.03	19.86	19.74	21.5	3		
20	16QAM	50	24	19.98	19.75	19.79	21.5	3		
20	16QAM	50	50	19.92	19.98	19.78	21.5	3		
20	16QAM	100	0	19.95	19.76	19.76	21.5	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.00	23.01	22.81	24.5	0		
15	QPSK	1	49	22.92	22.98	22.96	24.5	0		
15	QPSK	1	99	22.65	22.80	22.65	24.5	0		
15	QPSK	36	0	21.89	21.87	21.76	23.5	1		
15	QPSK	36	20	21.88	21.86	21.66	23.5	1		
15	QPSK	36	39	21.90	21.91	21.68	23.5	1		
15	QPSK	75	0	21.76	21.65	21.60	23.5	1		
15	QPSK	1	0	21.97	21.85	21.85	23.5	1		
15	16QAM	1	37	22.10	22.02	22.17	23.5	1		
15	16QAM	1	74	21.97	22.00	21.96	23.5	1		
15	16QAM	36	0	21.01	20.87	20.88	22.5	2		
15	16QAM	36	20	20.98	20.95	20.85	22.5	2		
15	16QAM	36	39	20.85	21.02	20.73	22.5	2		
15	16QAM	75	0	20.93	20.81	20.61	22.5	2		
15	16QAM	1	0	20.76	21.05	21.01	22.5	2		
15	16QAM	1	37	20.99	20.85	20.87	22.5	2		
15	16QAM	1	74	20.98	20.94	20.94	22.5	2		
15	16QAM	36	0	19.97	19.79	19.71	21.5	3		
15	16QAM	36	20	19.94	19.85	19.72	21.5	3		
15	16QAM	36	39	19.88	19.94	19.65	21.5	3		
15	16QAM	75	0	19.83	19.76	19.72	21.5	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.90	22.93	22.83	24.5	0		
10	QPSK	1	25	22.76	22.59	22.70	24.5	0		
10	QPSK	1	49	22.72	22.79	22.65	24.5	0		
10	QPSK	25	0	21.87	21.86	21.74	23.5	1		
10	QPSK	25	12	21.84	21.84	21.64	23.5	1		
10	QPSK	25	25	21.88	21.89	21.68	23.5	1		
10	QPSK	50	0	21.80	21.93	21.61	23.5	1		
10	QPSK	1	0	22.07	21.78	21.86	23.5	1		
10	16QAM	1	25	22.02	22.02	21.81	23.5	1		
10	16QAM	1	49	22.08	21.99	21.94	23.5	1		
10	16QAM	25	0	20.98	20.78	20.98	22.5	2		
10	16QAM	25	12	20.99	20.74	20.81	22.5	2		
10	16QAM	25	25	20.87	21.04	20.82	22.5	2		
10	16QAM	50	0	20.82	20.61	20.73	22.5	2		
10	16QAM	1	0	20.73	21.00	21.03	22.5	2		
10	16QAM	1	25	20.97	20.77	20.96	22.5	2		
10	16QAM	25	0	20.96	20.83	20.89	22.5	2		
10	16QAM	25	12	20.92	19.84	19.62	22.5	2		
10	16QAM	25	25	19.95	19.73	19.70	22.5	2		
10	16QAM	50	0	19.98	19.97	19.74	22.5	2		
10	16QAM	50	25	19.88	19.72	19.63	22.5	2		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.04	23.01	22.78	24.5	0		
5	QPSK	1	12	22.79	22.72	22.70	24.5	0		
5	QPSK	1	24	22.65	22.78	22.72	24.5	0		
5	QPSK	12	0	21.86	21.88	21.68	23.5	1		
5	QPSK	12	7	21.81	21.70	21.68	23.5	1		
5	QPSK	12	13	21.88	21.86	21.69	23.5	1		
5	QPSK	25	0	21.84	21.85	21.67	23.5	1		
5	16QAM	1	0	22.03	21.83	21.76	23.5	1		
5	16QAM	1	12	22.08	21.87	21.96	23.5	1		
5	16QAM	1	24	21.98	21.94	21.96	23.5	1		
5	16QAM	12	0	21.02	20.85	20.71	22.5	2		
5	16QAM	12	7	20.99	20.72	20.72	22.5	2		
5	16QAM	12	13	20.93	20.96	20.79	22.5	2		
5	16QAM	25	0	20.98	20.68	20.79	22.5	2		
5	16QAM	1	0	20.94	21.01	21.01	22.5	2		
5	16QAM	1	12	21.02	20.73	20.94	22.5	2		
5	16QAM	1	24	20.92	20.87	20.90	22.5	2		
5	16QAM	12	0	19.94	19.74	19.68	21.5	3		
5	16QAM	12	7	19.88	19.71	19.67	21.5	3		
5	16QAM	12	13	19.78	19.90	19.71	21.5	3		
5	16QAM	25	0	19.85	19.74	19.70	21.5	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.02	23.07	22.73	24.5	0		
3	QPSK	1	6	22.78	22.78	22.78	24.5	0		
3	QPSK	1	14	22.73	22.77	22.74	24.5	0		
3	QPSK	8	0	21.89	21.86	21.75	23.5	1		
3	QPSK	8	4	21.87	21.88	21.73	23.5	1		
3	QPSK	8	7	21.85	21.90	21.75	23.5	1		
3	QPSK	15	0	21.78	21.87	21.64	23.5	1		
3	16QAM	1	0	22.07	21.83	21.87	23.5	1		
3	16QAM	1	8	22.07	22.03	21.72	23.5	1		
3	16QAM	1	14	21.96	22.01	21.95	23.5	1		
3	16QAM	8	0	20.99	20.74	20.67	22.5	2		
3	16QAM	8	4	20.92	20.73	20.76	22.5	2		
3	16QAM	8	7	20.76	20.95	20.73	22.5	2		
3	16QAM	15	0	20.80	20.87	20.63	22.5	2		
3	16QAM	1	0	20.88	21.04	21.00	22.5	2		
3	16QAM	1	8	21.09	20.74	20.89	22.5	2		
3	16QAM	1	14	20.99	20.78	20.94	22.5	2		
3	16QAM	8	0	20.91	19.78	19.71	22.5	2		
3	16QAM	8	4	19.92	19.82	19.72	22.5	2		
3	16QAM	8	7	19.84	19.85	19.66	22.5	2		
3	16QAM	15	0	19.89	19.70	19.70	22.5	2		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.96	23.01	22.77	24.5	0		
1.4	QPSK	1	3	22.83	22.87	22.78	24.5	0		
1.4	QPSK	1	5	22.71	22.58	22.66	24.5	0		
1.4	QPSK	3	0	23.00	23.01	22.78	24.5	0		
1.4	QPSK	3	1	22.76	22.87	22.77	24.5	0		
1.4	QPSK	3	3	22.68	22.68	22.68	24.5	0		
1.4	QPSK	6	0	21.76	21.90	21.67	23.5	1		
1.4	16QAM	1	0	21.78	22.06	21.89	23.5	1		
1.4	16QAM	1	3	21.70	21.99	21.78	23.5	1		
1.4	16QAM	1	5	21.81	21.86	21.68	23.5	1		
1.4	16QAM	3	0	21.80	21.93	21.75	23.5	1		
1.4	16QAM	3	1	21.84	21.89	21.64	23.5	1		
1.4	16QAM	3	3	21.88	21.99	21.73	23.5	1		
1.4	16QAM	6	0	20.89	20.66	20.69	22.5	2		
1.4	16QAM	1	0	21.68	21.04	21.04	22.5	2		
1.4	16QAM	1	3	20.91	20.72	20.89	22.5	2		
1.4	16QAM	1	5	20.95	20.79	20.65	22.5	2		
1.4	16QAM	3	0	20.96	20.80	20.67	22.5	2		
1.4	16QAM	3	1</							



Band 5_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [Power Ch / Freq]	Power Power Ch / Freq [Power Ch / Freq]	Turn-up line (dBm)	MPR (dB)							
Channel							20450	20525	20590					
Frequency (MHz)							829	834.5	844					
10	QPSK	1	0	23.35	23.42	23.38	24.5	0						
10	QPSK	1	25	23.33	23.34	23.24								
10	QPSK	1	49	23.32	23.21	23.22								
10	QPSK	25	0	22.82	22.87	22.82	24	0.5						
10	QPSK	25	25	22.82	22.83	22.77								
10	QPSK	50	0	22.81	22.83	22.77								
10	16QAM	1	0	23.03	23.06	23.08	24	0.5						
10	16QAM	1	25	22.98	23.06	22.99								
10	16QAM	1	49	22.92	22.97	22.95								
10	16QAM	25	0	21.80	21.87	21.83								
10	16QAM	25	25	21.78	21.79	21.78	23	1.5						
10	16QAM	50	0	21.82	21.82	21.74								
10	16QAM	50	25	21.82	21.78	21.74								
10	16QAM	100	0	21.90	21.86	22.03								
10	64QAM	1	25	21.88	21.96	21.88	23	1.5						
10	64QAM	1	49	21.97	21.99	21.87								
10	64QAM	25	0	20.82	20.83	20.79								
10	64QAM	25	25	20.78	20.78	20.74	22	2.5						
10	64QAM	50	0	20.83	20.79	20.72								
10	64QAM	50	25	20.83	20.79	20.77								
Channel							20425	20525	20625					
Frequency (MHz)							826.5	836.5	846.5					
5	QPSK	1	0	23.32	23.40	23.34	24.5	0						
5	QPSK	1	12	23.29	23.29	23.23								
5	QPSK	1	24	23.27	23.16	23.15								
5	QPSK	12	0	22.77	22.81	22.78	24	0.5						
5	QPSK	12	7	22.78	22.79	22.71								
5	QPSK	12	13	22.77	22.77	22.69								
5	QPSK	25	0	22.71	22.76	22.72								
5	16QAM	1	0	22.98	22.95	22.99	24	0.5						
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								
5	16QAM	12	7	21.68	21.86	21.86	23	1.5						
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	1.5						
5	64QAM	1	24	21.88	21.91	21.79								
5	64QAM	12	0	20.73	20.77	20.73								
5	64QAM	12	7	20.69	20.70	20.64	22	2.5						
5	64QAM	12	13	20.78	20.73	20.62								
5	64QAM	25	0	20.74	20.72	20.67								
Channel							20415	20525	20635					
Frequency (MHz)							824.7	836.5	848.3					
3	QPSK	1	0	23.28	23.39	23.34	24.5	0						
3	QPSK	1	8	23.28	23.28	23.19								
3	QPSK	1	14	23.24	23.12	23.13								
3	QPSK	8	0	22.78	22.79	22.75	24	0.5						
3	QPSK	8	4	22.74	22.74	22.73								
3	QPSK	8	7	22.77	22.76	22.73								
3	QPSK	15	0	22.73	22.78	22.67								
3	16QAM	1	0	22.98	22.98	22.98	24	0.5						
3	16QAM	1	8	22.98	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	1.5						
3	16QAM	8	7	21.78	21.76	21.65								
3	16QAM	15	0	21.77	21.76	21.68								
3	64QAM	1	0	21.83	21.81	21.97								
3	64QAM	1	8	21.81	21.98	21.90	23	1.5						
3	64QAM	1	14	21.89	21.90	21.77								
3	64QAM	8	0	20.78	20.78	20.71								
3	64QAM	8	4	20.72	20.68	20.65	22	2.5						
3	64QAM	8	7	20.73	20.69	20.66								
3	64QAM	15	0	20.74	20.73	20.72								
Channel							20427	20525	20643					
Frequency (MHz)							824.7	836.5	848.3					
1.4	QPSK	1	0	23.28	23.39	23.34	24.5	0						
1.4	QPSK	1	3	23.23	23.27	23.22								
1.4	QPSK	1	5	23.25	23.13	23.12								
1.4	QPSK	3	0	23.34	23.37	23.32								
1.4	QPSK	3	1	23.23	23.27	23.14								
1.4	QPSK	3	3	23.27	23.15	23.17								
1.4	QPSK	3	0	22.71	22.78	22.68	24	0.5						
1.4	16QAM	1	0	22.98	22.98	22.92								
1.4	16QAM	1	3	22.91	23.01	22.92								
1.4	16QAM	1	5	22.98	22.92	22.88	24	0.5						
1.4	16QAM	3	0	22.78	22.78	22.78								
1.4	16QAM	3	1	22.72	22.79	22.72								
1.4	16QAM	3	3	22.73	22.76	22.66								
1.4	16QAM	6	0	21.73	21.78	21.70	23	1.5						
1.4	64QAM	1	0	21.83	21.76	21.96								
1.4	64QAM	1	3	21.81	21.90	21.83								
1.4	64QAM	1	5	21.87	21.93	21.80	23	1.5						
1.4	64QAM	3	0	21.72	21.92	21.76								
1.4	64QAM	3	1	21.78	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 Ch / Freq [Power Ch / Freq]	Power Power Ch / Freq [Power Ch / Freq]	Turn-up line (dBm)	MPR (dB)							
Channel							20850	21100	21350					
Frequency (MHz)							2510	2535	2560					
20	QPSK	1	0	23.81	23.86	23.79	24.5	0						
20	QPSK	1	49	23.80	23.50	23.96								
20	QPSK	1	99	23.80	23.25	23.68								
20	QPSK	50	0	22.87	22.87	22.83	23.5	1						
20	QPSK	50	24	22.72	22.48	21.90								
20	QPSK	50	50	22.83	22.34	22.61								
20	QPSK	100	0	22.82	22.63	22.69								
20	16QAM	1	0	22.54	22.49	22.51	23.5	1						
20	16QAM	1	49	22.40	22.46	21.81								
20	16QAM	1	99	22.41	22.21	21.85								
20	16QAM	50	0	21.54	21.57	20.97								
20	16QAM	50	24	21.88	21.46	20.96	22.5	2						
20	16QAM	50	50	21.70	21.34	20.85								
20	16QAM	100	0	21.83	21.43	20.88								
20	16QAM	100	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	20.56	19.80								
20	64QAM	50	24	20.87	20.46	19.87								
20	64QAM	50	50	20.74	20.31	19.95	21.5	3						
20	64QAM	100	0	20.87	20.42	19.86								
Channel							20825	21100	21375					
Frequency (MHz)							2507.5	2535	2562.5					
15	QPSK	1	0	23.83	23.80	23.18	24.5	0						
15	QPSK	1	37	23.82	23.46	22.85								
15	QPSK	1	74	23.56	23.22	22.85								
15	QPSK	36	0	22.83	22.72	21.99	23.5	1						
15	QPSK	36	20	22.80	22.39	21.95								
15	QPSK	36	39	22.82	22.20	21.88								
15	QPSK	75	0	22.54	22.59	21.83								
15	16QAM	1	0	22.45	22.43	21.91	23.5	1						
15	16QAM	1	37	22.31	22.39	21.89								
15	16QAM	1	74	22.28	22.13	21.80								
15	16QAM	36	0	21.49	21.47	20.85	22.5	2						
15	16QAM	36	20	21.88	21.28	20.80								
15	16QAM	36	39	21.83	21.19	20.87								
15	16QAM	75	0	21.55	21.30	20.90								
15	64QAM	1	0	21.50	21.42	20.92	22.5	2						
15	64QAM	1	37	21.89	21.59	20.92								
15	64QAM	1	74	21.83	21.18	20.82								
15	64QAM	36	0	20.57	20.55	19.92								
15	64QAM	36	20	20.59	20.31	19.82	21.5	3						
15	64QAM	36	39	20.62	20.17	19.93								
15	64QAM	75	0	20.86	20.33	19.93								
Channel							20800	21100	21400					
Frequency (MHz)							2505	2535	2565					
10	QPSK	1	0	23.54	23.55	23.36	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	22.83	22.71	22.65	23.5	1						
10	QPSK	25	12	22.73	22.47	21.82								
10	QPSK	25	25	22.53	22.29	21.96								
10	QPSK	50	0	22.49	22.50	21.99								
10	16QAM	1	0	22.52	22.46	21.86	23.5	1						
10	16QAM	1	25	22.27	22.36	21.95								
10	16QAM	1	49	22.26	22.19	21.89								
10	16QAM	25	0	21.53	21.56	20.98								
10	16QAM	25	12	21.82	21.45	20.90	22.5	2						
10	16QAM	25	25	21.56	21.25	20.90								
10	16QAM	50	0	21.55	21.38	20.82								
10	16QAM	50	12	21.45	21.43	20.81								
10	64QAM	1	25	21.84	21.57	20.85	22.5	2						
10	64QAM	1	49	21.73	21.25	20.88								
10	64QAM	25	0	20.46	20.42	19.93								
10	64QAM	25	12	20.52	20.42	19.85	21.5	3						
10	64QAM	25	25	20.64	20.29	19.83								
10	64QAM	50	0	20.81	20.31	19.83								



Band 12_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2350	2355	2355		
				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	49	23.30	23.33	23.33		
10	QPSK	25	0	22.20	22.23	22.30		
10	QPSK	25	12	22.20	22.23	22.30		
10	QPSK	25	25	22.21	22.26	22.25	23.5	1
10	QPSK	50	0	22.23	22.32	22.31		
10	16QAM	1	0	22.36	22.29	22.59		
10	16QAM	1	25	22.24	22.47	22.51	23.5	1
10	16QAM	1	49	22.48	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	20.28	20.28	20.34		
10	64QAM	1	25	21.22	21.44	21.48	22.5	2
10	64QAM	1	49	21.33	21.41	21.52		
10	64QAM	25	0	20.21	20.20	20.27		
10	64QAM	25	12	20.28	20.34	20.36	21.5	3
10	64QAM	25	25	20.34	20.27	20.31		
10	64QAM	50	0	20.22	20.27	20.31		
Channel								
Frequency (MHz)				2355	2355	2355		
				707.5	707.5	713.5		
5	QPSK	1	0	23.25	23.36	23.22		
5	QPSK	1	12	23.11	23.17	23.17	24.5	0
5	QPSK	1	25	23.22	23.26	23.18		
5	QPSK	12	0	22.12	22.38	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	22.48		
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	21.28	21.34		
5	64QAM	1	12	21.26	21.42	21.48	22.5	2
5	64QAM	1	24	21.28	21.38	21.59		
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)				2355	2355	2355		
				707.5	713.5	713.5		
3	QPSK	1	0	23.20	23.30	23.28		
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	22.21	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	22.14		
3	QPSK	15	0	22.20	22.26	22.29		
3	16QAM	1	0	22.22	22.21	22.40		
3	16QAM	1	8	22.28	22.38	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	21.26		
3	64QAM	1	8	21.21	21.31	21.40	22.5	2
3	64QAM	1	14	21.27	21.29	21.47		
3	64QAM	8	0	20.13	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)				2355	2355	2355		
				707.5	713.5	713.5		
1.4	QPSK	1	0	23.28	23.32	23.24		
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	22.28	22.31	22.34		
1.4	QPSK	3	1	22.08	22.14	22.21		
1.4	QPSK	3	3	22.23	22.25	22.28	23.5	1
1.4	QPSK	6	0	22.13	22.26	22.22		
1.4	16QAM	1	0	22.26	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	22.16	22.29	22.24		
1.4	16QAM	3	1	22.14	21.28	22.21	22.5	2
1.4	16QAM	3	3	22.13	22.19	22.19		
1.4	16QAM	6	0	21.11	21.09	21.19	22.5	2
1.4	64QAM	1	0	21.24	21.28	21.38		
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	21.18		
1.4	64QAM	3	3	21.08	21.15	21.24	21.5	3
1.4	64QAM	6	0	20.11	20.17	20.24		

Band 26_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2675	2685	2685		
				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	22.76	22.65		
15	QPSK	36	20	22.63	22.59	22.58		
15	QPSK	36	39	22.65	22.61	22.64	24	1
15	QPSK	75	0	22.67	22.68	22.62		
15	16QAM	1	0	22.91	22.86	22.81		
15	16QAM	1	37	22.88	22.98	22.79	24	1
15	16QAM	1	74	22.90	22.94	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	21.70	21.65	21.88		
15	64QAM	1	0	21.73	21.83	21.79	23	2
15	64QAM	1	37	21.73	21.83	21.79		
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	20.66	20.62	22	3
15	64QAM	36	39	20.69	20.65	20.58		
15	64QAM	75	0	20.67	20.65	20.62		
Channel								
Frequency (MHz)				2675	2685	2690		
				819	831.5	844		
10	QPSK	1	0	23.66	23.73	23.68		
10	QPSK	1	25	23.58	23.58	23.46	25	0
10	QPSK	1	49	23.69	23.64	23.46		
10	QPSK	25	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	22.70	22.78	22.77		
10	16QAM	1	0	22.79	22.89	22.77		
10	16QAM	1	25	22.83	22.91	22.76	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	21.82	21.59	21.62	23	2
10	16QAM	25	25	21.82	21.60	21.41		
10	16QAM	50	0	21.57	21.62	21.50		
10	64QAM	1	0	21.63	21.50	21.84		
10	64QAM	1	25	21.56	21.71	21.72	23	2
10	64QAM	1	49	21.58	21.58	21.61		
10	64QAM	25	0	20.51	20.57	20.54		
10	64QAM	25	12	20.13	20.54	20.51	22	3
10	64QAM	25	25	20.52	20.59	20.55		
10	64QAM	50	0	20.59	20.54	20.47		
Channel								
Frequency (MHz)				2675	2685	2703		
				815.5	831.5	847.5		
3	QPSK	1	0	23.71	23.65	23.70		
3	QPSK	1	8	23.59	23.65	23.51	25	0
3	QPSK	1	12	23.59	23.66	23.58		
3	QPSK	1	24	23.59	23.68	23.54		
3	QPSK	12	0	22.65	22.66	22.67		
3	QPSK	12	7	22.62	22.49	22.47	24	1



Band 66_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Ref Ch / Freq	Tune-up (dBm)	MRR (dB)
Channel				132072	132552	132572		
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	18.18	18.23	18.15		
20	QPSK	50	24	18.16	18.15	18.13		
20	QPSK	50	50	18.12	18.14	18.15	20	0
20	QPSK	100	0	18.15	18.22	18.18		
20	16QAM	1	0	18.20	18.18	18.17		
20	16QAM	1	49	18.15	18.14	18.16	20	0
20	16QAM	1	99	18.06	18.13	18.13		
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	64QAM	1	0	18.17	18.21	18.18		
20	64QAM	1	49	18.10	18.16	18.13	20	0
20	64QAM	1	99	18.07	18.18	18.10		
20	64QAM	50	0	18.11	18.19	18.13		
20	64QAM	50	24	18.09	18.07	18.12		
20	64QAM	50	50	18.11	18.06	18.10	20	0
20	64QAM	100	0	18.10	18.13	18.12		
Channel				132047	132552	132657		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.17	18.24	18.17		
15	QPSK	1	37	18.10	18.17	18.12	20	0
15	QPSK	1	74	18.04	18.10	18.13		
15	QPSK	36	0	18.18	18.14	18.08		
15	QPSK	36	20	18.14	18.11	18.12	20	0
15	QPSK	36	39	18.04	18.10	18.10		
15	QPSK	75	0	18.09	18.16	18.14		
15	16QAM	1	0	18.11	18.09	18.11		
15	16QAM	1	37	18.07	18.09	18.11	20	0
15	16QAM	1	74	18.01	18.10	18.05		
15	16QAM	36	0	18.12	18.05	18.03		
15	16QAM	36	20	18.06	18.05	18.00	20	0
15	16QAM	36	39	18.00	18.06	18.02		
15	16QAM	75	0	18.05	18.11	18.08		
15	64QAM	1	0	18.16	18.20	18.13		
15	64QAM	1	37	18.05	18.05	18.08	20	0
15	64QAM	1	74	18.05	18.12	18.09		
15	64QAM	36	0	18.08	18.18	18.05		
15	64QAM	36	20	18.04	18.03	18.08	20	0
15	64QAM	36	39	18.09	18.01	18.00		
15	64QAM	75	0	18.05	18.05	18.07		
Channel				132022	132552	132622		
Frequency (MHz)				1715	1745	1772.5		
10	QPSK	1	0	18.22	18.23	18.19		
10	QPSK	1	25	18.16	18.23	18.09	20	0
10	QPSK	1	49	18.11	18.13	18.09		
10	QPSK	25	0	18.09	18.10	18.13		
10	QPSK	25	12	18.06	18.07	18.06	20	0
10	QPSK	25	25	18.04	18.10	18.14		
10	QPSK	50	0	18.05	18.14	18.08		
10	16QAM	1	0	18.14	18.13	18.16		
10	16QAM	1	25	18.13	18.07	18.12	20	0
10	16QAM	1	49	18.01	18.07	18.03		
10	16QAM	25	0	18.10	18.06	18.05		
10	16QAM	25	12	18.11	18.08	18.04	20	0
10	16QAM	25	25	18.01	18.07	18.04		
10	16QAM	50	0	18.09	18.10	18.05		
10	64QAM	1	0	18.15	18.14	18.14	20	0
10	64QAM	1	25	18.03	18.08	18.06		
10	64QAM	1	49	18.06	18.15	18.06		
10	64QAM	25	0	18.05	18.09	18.12		
10	64QAM	25	12	18.03	18.02	18.11	20	0
10	64QAM	25	25	18.05	18.05	18.03		
10	64QAM	50	0	18.01	18.08	18.06		
Channel				131997	132552	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.21	18.25	18.13		
5	QPSK	1	12	18.17	18.20	18.14	20	0
5	QPSK	1	24	18.06	18.13	18.11		
5	QPSK	12	0	18.09	18.17	18.14		
5	QPSK	12	7	18.14	18.06	18.07	20	0
5	QPSK	12	13	18.05	18.10	18.08		
5	QPSK	25	0	18.09	18.17	18.12		
5	16QAM	1	0	18.14	18.10	18.15		
5	16QAM	1	12	18.14	18.07	18.11	20	0
5	16QAM	1	24	18.02	18.07	18.10		
5	16QAM	12	0	18.09	18.12	18.08		
5	16QAM	12	7	18.10	18.04	18.01	20	0
5	16QAM	12	13	18.01	18.07	18.07		
5	16QAM	25	0	18.04	18.14	18.07		
5	64QAM	1	0	18.10	18.12	18.17		
5	64QAM	1	12	18.00	18.13	18.09	20	0
5	64QAM	1	24	18.03	18.16	18.02		
5	64QAM	12	0	18.06	18.12	18.09		
5	64QAM	12	7	18.05	18.00	18.02	20	0
5	64QAM	12	13	18.06	18.05	18.03		
5	64QAM	25	0	18.02	18.09	18.07		
Channel				131972	132552	132657		
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.21	18.20	18.19		
3	QPSK	1	8	18.16	18.18	18.16	20	0
3	QPSK	1	14	18.10	18.18	18.09		
3	QPSK	8	0	18.13	18.18	18.13		
3	QPSK	8	4	18.12	18.12	18.07	20	0
3	QPSK	8	7	18.02	18.09	18.10		
3	QPSK	15	0	18.11	18.12	18.09		
3	16QAM	1	0	18.19	18.15	18.08		
3	16QAM	1	8	18.13	18.12	18.10	20	0
3	16QAM	1	14	18.02	18.12	18.05		
3	16QAM	8	0	18.07	18.07	18.11		
3	16QAM	8	4	18.06	18.04	18.05	20	0
3	16QAM	8	7	18.00	18.12	18.02		
3	16QAM	15	0	18.10	18.12	18.07		
3	64QAM	1	0	18.11	18.18	18.11		
3	64QAM	1	8	18.05	18.15	18.04	20	0
3	64QAM	1	14	18.02	18.17	18.04		
3	64QAM	8	0	18.10	18.15	18.07		
3	64QAM	8	4	18.04	18.02	18.07	20	0
3	64QAM	8	7	18.06	18.03	18.02		
3	64QAM	15	0	18.00	18.03	18.07		
Channel				131972	132552	132657		
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.20	18.19	18.10		
1.4	QPSK	1	3	18.17	18.20	18.16	20	0
1.4	QPSK	1	5	18.06	18.17	18.13		
1.4	QPSK	3	0	18.12	18.15	18.09		
1.4	QPSK	3	1	18.14	18.06	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	1	3	18.10	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	18.10	18.01	18.04		
1.4	16QAM	3	3	18.02	18.09	18.05	20	0
1.4	16QAM	6	0	18.03	18.14	18.02		
1.4	64QAM	1	0	18.16	18.12	18.17		
1.4	64QAM	1	3	18.07	18.10	18.11	20	0
1.4	64QAM	1	5	18.04	18.08	18.07		
1.4	64QAM	3	0	18.04	18.17	18.05		
1.4	64QAM	3	1	18.03	18.01	18.06	20	0
1.4	64QAM	3	3	18.01	18.03	18.02		
1.4	64QAM	6	0	18.00	18.03	18.08	20	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			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.50	23.43	23.38			
20	QPSK	1	49	23.45	23.38	23.30	24	0	
20	QPSK	1	99	23.40	23.20	23.11			
20	QPSK	50	0	22.64	22.53	22.45			
20	QPSK	50	24	22.55	22.45	22.39	23	1	
20	QPSK	50	50	22.52	22.36	22.25			
20	QPSK	100	0	22.51	22.42	22.32			
20	16QAM	1	0	22.65	22.73	22.51			
20	16QAM	1	49	22.74	22.70	22.54	23	1	
20	16QAM	1	99	22.68	22.47	22.34			
20	16QAM	50	0	21.54	21.56	21.50			
20	16QAM	50	24	21.57	21.46	21.40	22	2	
20	16QAM	50	50	21.56	21.37	21.31			
20	16QAM	100	0	21.52	21.45	21.34			
20	64QAM	1	0	21.51	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			
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			
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	20	21.53	21.35	21.39	22	2	
15	16QAM	36	39	21.53	21.34	21.16			
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			
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			
10	16QAM	25	12	21.50	21.33	21.31	22	2	
10	16QAM	25	25	21.54	21.34	21.28			
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	2595	2617.5			
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			
5	16QAM	1	12	22.70	22.65	22.49	23	1	
5	16QAM	1	24	22.56	22.41	22.23			
5	16QAM	12	0	21.43	21.44	21.46			
5	16QAM	12	7	21.53	21.38	21.30	22	2	
5	16QAM	12	13	21.49	21.32	21.28			
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 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		
20	QPSK	1	49	24.65	24.26	23.60	23.05	23.13	25	0
20	QPSK	1	99	24.76	24.36	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
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		
20	16QAM	50	24	22.82	22.61	21.80	21.20	21.26	23	2
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	22.61	22.58	21.88	21.19	21.24		
20	64QAM	1	49	22.75	22.60	21.77	21.23	21.24	23	2
20	64QAM	1	99	22.82	22.42	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		
15	QPSK	1	37	24.62	24.24	23.48	23.20	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	24	1
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		
15	16QAM	1	0	23.69	23.73	23.00	22.45	22.34		
15	16QAM	1	37	23.82	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				



Full&Default Power Mode

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166900	Power Middle Ch. Freq. 167300	Power High Ch. Freq. 167600	MPR (dB)
Channel							
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	23.09	23.07	23.13	24.7
20	QPSK	1	53	23.26	23.26	23.22	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	22.21	22.25	22.22	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	18.07	18.21	18.12	20.2
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel				166500	167300	168300	
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	846.5	
5	QPSK	1	1	22.98	22.98	23.08	24.7

n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 166900	Power Middle Ch. Freq. 167300	Power High Ch. Freq. 167600	MPR (dB)
Channel							
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	23.67	23.68	23.70	24.7
20	QPSK	1	53	23.81	23.81	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	22.79	22.79	22.76	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	18.54	18.76	18.66	20.2
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	23.54	23.61	23.64	24.7
Channel				166500	167300	168300	
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	846.5	
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. Freq. 505000	Power Middle Ch. Freq. 507000	Power High Ch. Freq. 509000	MPR (dB)
Channel							
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	22.78	23.04	23.12	23.7
50	QPSK	1	185	23.31	23.33	23.25	0.0
50	QPSK	1	268	23.21	23.25	23.22	0.0
50	QPSK	155	0	21.94	22.21	22.25	22.7
50	QPSK	155	68	23.30	23.32	23.23	23.7
50	QPSK	185	185	22.20	22.21	22.30	22.7
50	QPSK	270	0	22.09	22.23	22.21	22.7
50	16QAM	1	1	21.84	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				506000	507000	508000	
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	22.81	23.07	23.15	23.7
Channel				507000	507000	511000	
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	22.78	23.03	23.06	23.7
Channel				505000	507000	511500	
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	22.78	23.07	23.09	23.7
Channel				505000	507000	510000	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	22.92	23.09	23.16	23.7
Channel				505500	507000	510500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.77	23.09	23.13	23.7
Channel				507000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	22.77	22.99	23.14	23.7
Channel				505000	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	22.78	23.02	23.12	23.7



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)									
50	QPSK	1	1	23.33	23.26	23.11	24.7	0.0	
50	QPSK	1	1.5	23.34	23.27	23.12			
50	QPSK	1	2.08	22.93	22.82	22.73			
50	QPSK	1.35	0	22.32	22.41	22.29	23.7	1.0	
50	QPSK	1.35	0.8	23.21	23.25	23.16	24.7	0.0	
50	QPSK	1.35	1.35	22.14	22.12	21.83	23.7	1.0	
50	QPSK	2.70	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	18.18	18.20	18.07	20.2	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.19	23.10	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.22	23.18	23.06	24.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.23	23.14	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.21	23.11	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.22	23.20	22.98	24.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.24	23.14	23.04	24.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.22	23.15	23.03	24.7	0.0	

n7_Ant 5									
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)									
50	QPSK	1	1	21.75	21.92	21.83	23.2	0.0	
50	QPSK	1	1.5	21.58	22.16	21.58			
50	QPSK	1	2.08	21.81	21.87	21.91			
50	QPSK	1.35	0	20.98	21.04	20.96	22.2	1.0	
50	QPSK	1.35	0.8	22.11	22.15	21.85	23.2	0.0	
50	QPSK	1.35	1.35	21.00	20.88	20.84	22.2	1.0	
50	QPSK	2.70	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	20.7	2.5	
50	256QAM	1	1	17.85	17.91	17.79	18.7	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.85	21.81	21.82	23.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.83	21.76	21.85	23.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.59	21.77	21.79	23.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.86	21.80	21.80	23.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.68	21.87	21.77	23.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.64	21.80	21.83	23.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.60	21.83	21.80	23.2	0.0	

n66_Ant 1									
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)									
40	QPSK	1	1	23.42	23.35	23.33	24.2	0.0	
40	QPSK	1	1.08	23.48	23.50	23.37			
40	QPSK	1	2.14	23.41	23.18	23.15			
40	QPSK	1.08	0	22.51	22.26	22.49	23.2	1.0	
40	QPSK	1.08	0.54	23.44	23.45	23.38	24.2	0.0	
40	QPSK	1.08	1.08	22.49	22.29	22.30	23.2	1.0	
40	QPSK	2.16	0	22.38	22.44	22.32			
40	16QAM	1	1	22.08	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									
Frequency (MHz)									
30	QPSK	1	1	23.53	23.23	23.23	24.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.38	23.21	23.21	24.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.25	23.22	23.20	24.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.31	23.23	23.23	24.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.28	23.28	23.24	24.2	0.0	
Channel									
Frequency (MHz)									
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	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 350000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.61	23.46	23.60	24.7	0.0
40	QPSK	1	108	23.54	23.76	23.71		
40	QPSK	1	214	23.61	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	23.65	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								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.53	23.51	23.48	24.7	0.0
Channel				340000	349000	353000	Tune-up limit (dBm)	MPR (dB)
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 (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.52	23.33	23.49	24.7	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.53	23.37	23.50	24.7	0.0
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
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	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 350000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	23.20	23.21	23.44	24.7	0.0
40	QPSK	1	108	23.25	23.66	23.38		
40	QPSK	1	214	23.38	23.59	23.56		
40	QPSK	108	0	22.34	22.35	22.63	23.7	1.0
40	QPSK	108	54	23.27	23.61	23.54	24.7	0.0
40	QPSK	108	108	22.58	22.59	22.75	23.7	1.0
40	QPSK	216	0	22.43	22.63	22.61		
40	16QAM	1	1	21.92	21.98	21.87	23.7	1.0
40	64QAM	1	1	20.42	20.56	20.47	22.2	2.5
40	256QAM	1	1	19.10	19.17	19.08	20.2	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.13	23.12	23.28	24.7	0.0
Channel				340000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.15	23.06	23.31	24.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.13	23.15	23.38	24.7	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.13	23.03	23.34	24.7	0.0
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.08	23.09	23.32	24.7	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
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										
Frequency (MHz)										
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	23.09	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	22.49	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										
Frequency (MHz)										
30	QPSK	1	1	51700	51900	52100	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	23.79	23.85	23.79	24.2	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	51650	51900	52150	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	23.76	23.90	23.92	24.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	51600	51900	52000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	23.81	23.87	23.80	24.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	51550	51900	52050	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	23.86	23.88	23.83	24.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	51500	51900	52300	Tune-up limit (dBm)	MPR (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										
Frequency (MHz)										
40	QPSK	1	1	23.49	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	21.82	21.84	21.79				
40	QPSK	100	0	22.09	22.17	21.96	23.7	1.0		
40	16QAM	1	1	22.05	22.19	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)										
30	QPSK	1	1	51700	51900	52100	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	23.41	23.44	23.22	24.7	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	51650	51900	52150	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	23.41	23.49	23.29	24.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	51600	51900	52000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	23.38	23.39	23.32	24.7	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	51550	51900	52050	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	23.44	23.39	23.26	24.7	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	51500	51900	52300	Tune-up limit (dBm)	MPR (dB)		
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										
Frequency (MHz)										
40	QPSK	1	1	22.93	23.05	22.88				
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	22.81	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										
Frequency (MHz)										
30	QPSK	1	1	51700	51900	52100	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	22.82	22.95	22.87	24.2	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	51650	51900	52150	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	22.93	22.98	22.92	24.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	51600	51900	52000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	22.84	22.90	22.87	24.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	51550	51900	52050	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	22.88	22.98	22.84	24.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	51500	51900	52300	Tune-up limit (dBm)	MPR (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								
Frequency (MHz)								
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	23.99	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	21.09	21.04	21.7	2.5
100	256QAM	1	1	19.41	19.56	19.51	19.7	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.34	23.97	23.75	24.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.44	23.94	23.93	24.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.38	23.88	23.82	24.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.34	23.92	23.82	24.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.42	23.93	23.82	24.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.35	23.93	23.81	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.39	23.88	23.75	24.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.41	23.97	23.77	24.2	0.0
Channel								
Frequency (MHz)								
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)								
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	22.92	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	22.84	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)								
90	QPSK	1	1	24.25	23.95	23.09	24.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.25	23.95	23.14	24.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.28	23.89	23.13	24.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.28	23.90	23.11	24.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.26	23.94	23.12	24.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.29	23.88	23.07	24.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.27	23.93	23.11	24.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.30	23.99	23.12	24.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.28	23.97	23.14	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)								
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	22.95	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)								
90	QPSK	1	1	22.83	22.74	22.78	24.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.83	22.75	22.84	24.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.72	22.71	22.76	24.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.64	22.74	22.84	24.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.68	22.73	22.75	24.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.65	22.71	22.75	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.69	22.69	22.78	24.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.69	22.75	22.74	24.2	0.0
Channel								
Frequency (MHz)								
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. F.Freq. 166900	Power Middle Ch. F.Freq. 167300	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.09	23.07	23.13	24.7	0.0
20	QPSK	1	53	23.28	23.35	23.32		
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	22.21	22.25	22.22	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	21.70	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								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				833	835.5	844		
10	QPSK	1	1	22.95	23.00	23.08	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	838.5	846.5		
5	QPSK	1	1	22.98	22.98	23.08	24.7	0.0

n5_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 166900	Power Middle Ch. F.Freq. 167300	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel								
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	22.73	22.79	22.76	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								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.54	23.61	23.64	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				833	835.5	844		
10	QPSK	1	1	23.62	23.62	23.62	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	838.5	846.5		
5	QPSK	1	1	23.52	23.57	23.58	24.7	0.0

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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	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.15	18.23	18.13	18.7	0.0
50	QPSK	1	155	18.46	18.47	18.39		
50	QPSK	1	268	18.35	18.31	18.32		
50	QPSK	155	0	18.15	18.17	18.12	18.7	0.0
50	QPSK	155	68	18.37	18.39	18.36	18.7	0.0
50	QPSK	155	155	18.15	18.36	18.12	18.7	0.0
50	QPSK	270	0	18.24	18.26	18.19	18.7	0.0
50	16QAM	1	1	18.15	18.26	18.06	18.7	0.0
50	64QAM	1	1	18.16	18.22	18.13	18.7	0.0
50	256QAM	1	1	18.08	18.32	18.21	18.7	0.0
Channel								
Frequency (MHz)				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.32	18.35	18.19	18.7	0.0
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2535	2535	2555		
30	QPSK	1	1	18.32	18.35	18.18	18.7	0.0
Channel				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2532.5	2535	2537.5		
25	QPSK	1	1	18.22	18.33	18.21	18.7	0.0
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2560		
20	QPSK	1	1	18.30	18.35	18.24	18.7	0.0
Channel				505000	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2527.5	2535	2562.5		
15	QPSK	1	1	18.24	18.41	18.27	18.7	0.0
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545	2535	2565		
10	QPSK	1	1	18.27	18.39	18.25	18.7	0.0
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2522.5	2535	2567.5		
5	QPSK	1	1	18.29	18.37	18.20	18.7	0.0



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)									
50	QPSK	1	1	19.76	19.70	19.47			
50	QPSK	1	1.5	19.77	19.73	19.49	20.95	0.0	
50	QPSK	1	208	19.67	19.58	19.41			
50	QPSK	1.5	0	19.27	19.35	19.39	20.95	0.0	
50	QPSK	1.5	88	19.22	19.65	19.24	20.95	0.0	
50	QPSK	1.5	1.5	19.45	19.29	19.44	20.95	0.0	
50	QPSK	270	0	19.48	19.49	19.44			
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	19.18	19.20	19.07	20.20	0.8	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.49	19.60	19.61	20.95	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.50	19.68	19.61	20.95	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.59	19.69	19.57	20.95	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.43	19.60	19.50	20.95	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.50	19.60	19.59	20.95	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.59	19.68	19.63	20.95	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.45	19.60	19.61	20.95	0.0	

n7_Ant 5									
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)									
50	QPSK	1	1	19.17	19.21	19.32			
50	QPSK	1	1.5	19.48	19.60	19.38	20.45	0.0	
50	QPSK	1	208	19.17	19.24	19.35			
50	QPSK	1.5	0	19.16	19.31	19.20	20.45	0.0	
50	QPSK	1.5	88	19.23	19.58	19.26	20.45	0.0	
50	QPSK	1.5	1.5	19.24	19.23	19.13	20.45	0.0	
50	QPSK	270	0	19.16	19.32	19.21			
50	16QAM	1	1	19.13	19.32	19.10	20.45	0.0	
50	64QAM	1	1	19.92	19.14	19.02	20.45	0.0	
50	256QAM	1	1	17.78	17.80	17.68	18.70	1.8	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.25	19.36	19.31	20.45	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.32	19.38	19.34	20.45	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.32	19.38	19.27	20.45	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.24	19.27	19.33	20.45	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.30	19.37	19.27	20.45	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.25	19.44	19.27	20.45	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.20	19.35	19.34	20.45	0.0	

n66_Ant 1									
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)									
40	QPSK	1	1	23.42	23.35	23.33			
40	QPSK	1	108	23.48	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	22.49	23.2	1.0	
40	QPSK	108	54	23.44	23.45	23.38	24.2	0.0	
40	QPSK	108	108	22.49	22.29	22.30	23.2	1.0	
40	QPSK	216	0	22.38	22.44	22.32			
40	16QAM	1	1	22.08	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									
Frequency (MHz)									
30	QPSK	1	1	23.33	23.23	23.23	24.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.38	23.21	23.21	24.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.25	23.22	23.20	24.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.31	23.23	23.27	24.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.28	23.28	23.24	24.2	0.0	
Channel									
Frequency (MHz)									
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			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 350000		
Channel								
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	20.56	20.55		
40	QPSK	1	214	20.46	20.56	20.56		
40	QPSK	108	0	20.37	20.42	20.41	21.7	0.0
40	QPSK	108	54	20.55	20.56	20.55	21.7	0.0
40	QPSK	108	108	20.35	20.49	20.39		
40	QPSK	216	0	20.39	20.52	20.42	21.7	0.0
40	16QAM	1	1	20.38	20.59	20.44	21.7	0.0
40	64QAM	1	1	20.39	20.55	20.31	21.7	0.0
40	256QAM	1	1	19.25	19.38	19.22	20.2	1.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.54	20.62	20.50	21.7	0.0
Channel								
Frequency (MHz)				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.52	20.64	20.43	21.7	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.45	20.63	20.44	21.7	0.0
Channel								
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.57	20.64	20.43	21.7	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.58	20.60	20.50	21.7	0.0
Channel								
Frequency (MHz)				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.50	20.67	20.45	21.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 350000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.54	21.65	21.86		
40	QPSK	1	108	21.78	22.07	22.07	23.2	0.0
40	QPSK	1	214	21.77	21.94	21.99		
40	QPSK	108	0	21.74	22.01	21.96	23.2	0.0
40	QPSK	108	54	21.62	22.05	21.97	23.2	0.0
40	QPSK	108	108	21.78	21.85	21.73		
40	QPSK	216	0	21.76	21.87	21.76	23.2	0.0
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	19.05	19.04	19.00	20.2	3.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.87	22.01	21.91	23.2	0.0
Channel								
Frequency (MHz)				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.90	22.04	21.86	23.2	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.86	22.02	21.86	23.2	0.0
Channel								
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.80	21.87	21.87	23.2	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.80	21.96	21.87	23.2	0.0
Channel								
Frequency (MHz)				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.85	21.97	21.89	23.2	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)								
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	20.45	0.0
40	QPSK	50	28	20.13	20.18	20.16	20.45	0.0
40	QPSK	50	56	19.98	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								
Frequency (MHz)								
30	QPSK	1	1	20.16	20.20	20.19	20.45	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.14	20.30	20.24	20.45	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.13	20.30	20.22	20.45	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.09	20.31	20.20	20.45	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.13	20.32	20.26	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								
Frequency (MHz)								
40	QPSK	1	1	21.68	21.72	21.65		
40	QPSK	1	53	21.62	21.80	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	23.2	0.0
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	20.87	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)								
30	QPSK	1	1	21.62	21.70	21.61	23.2	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.65	21.69	21.60	23.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.65	21.64	21.59	23.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.63	21.62	21.56	23.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.62	21.65	21.55	23.2	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)								
40	QPSK	1	1	20.97	21.09	20.95		
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	21.95	0.0
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								
Frequency (MHz)								
30	QPSK	1	1	20.87	20.99	20.93	21.95	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.94	21.07	20.98	21.95	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.93	21.07	20.97	21.95	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.87	21.06	20.90	21.95	0.0
Channel								
Frequency (MHz)								
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)				50202	51898	53600			
Frequency (MHz)				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	211	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	18.19	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									
Frequency (MHz)				50200	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.04	18.26	18.21	18.7	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	18.05	18.24	18.27	18.7	0.0	
Channel									
Frequency (MHz)				50520	51898	53198	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.11	18.24	18.25	18.7	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2664.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18.10	18.29	18.23	18.7	0.0	
Channel									
Frequency (MHz)				50200	51898	53400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
40	QPSK	1	1	18.03	18.26	18.22	18.7	0.0	
Channel									
Frequency (MHz)				50200	51898	53498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.08	18.29	18.27	18.7	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	18.08	18.27	18.20	18.7	0.0	
Channel									
Frequency (MHz)				50700	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2662.48			
15	QPSK	1	1	18.09	18.26	18.19	18.7	0.0	
Channel									
Frequency (MHz)				50202	51898	53700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2665			
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									
Frequency (MHz)				50202	51898	53600			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	19.88	19.50	19.69			
100	QPSK	1	137	19.69	18.79	18.58	20.2	0.0	
100	QPSK	1	211	19.81	18.73	18.52			
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	19.68	18.73	18.54	20.2	0.0	
100	256QAM	1	1	19.53	18.67	18.51	20.2	0.0	
Channel									
Frequency (MHz)				50200	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.81	19.42	18.62	20.2	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	19.14	19.46	18.47	20.2	0.0	
Channel									
Frequency (MHz)				50520	51898	53198	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.87	19.41	18.66	20.2	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2664.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				19.82	19.49	18.68	20.2	0.0	
Channel									
Frequency (MHz)				50200	51898	53400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
40	QPSK	1	1	19.78	19.43	18.61	20.2	0.0	
Channel									
Frequency (MHz)				50200	51898	53498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.78	19.44	18.68	20.2	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	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									
Frequency (MHz)				50700	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2662.48			
15	QPSK	1	1	19.86	19.43	18.61	20.2	0.0	
Channel									
Frequency (MHz)				50202	51898	53700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2665			
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									
Frequency (MHz)				50202	51898	53600			
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	211	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									
Frequency (MHz)				50200	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.28	19.34	19.40	20.7	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	19.26	19.34	19.35	20.7	0.0	
Channel									
Frequency (MHz)				50520	51898	53198	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.26	19.28	19.32	20.7	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2664.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				19.31	19.28	19.40	20.7	0.0	
Channel									
Frequency (MHz)				50200	51898	53400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
40	QPSK	1	1	19.26	19.36	19.34	20.7	0.0	
Channel									
Frequency (MHz)				50200	51898	53498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.29	19.30	19.37	20.7	0.0	
Channel									
Frequency (MHz)				50724	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	19.27	19.30	19.37	20.7	0.0	
Channel									
Frequency (MHz)				50700	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2662.48			
15	QPSK	1	1	19.33	19.34	19.33	20.7	0.0	
Channel									
Frequency (MHz)				50202	51898	53700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2665			
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	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.09	23.07	23.13			
20	QPSK	1	53	23.26	23.26	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	22.21	22.25	22.22	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	21.70	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									
Frequency (MHz)									
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.95	23.00	23.08	24.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.98	22.98	23.08	24.7	0.0	

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	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.67	23.68	23.70			
20	QPSK	1	53	23.81	23.81	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	22.73	22.79	22.76	24.7	0.0	
20	QPSK	50	56	22.72	22.71	22.68	23.7	1.0	
20	QPSK	100	0	22.74	22.76	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									
Frequency (MHz)									
15	QPSK	1	1	23.54	23.61	23.64	24.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.62	23.62	23.62	24.7	0.0	
Channel									
Frequency (MHz)									
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. F.Freq. 509000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 505000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.53	17.63	17.57			
50	QPSK	1	185	17.84	17.85	17.76	17.95	0.0	
50	QPSK	1	268	17.72	17.68	17.72			
50	QPSK	185	0	17.49	17.58	17.48	17.95	0.0	
50	QPSK	185	68	17.74	17.75	17.74	17.95	0.0	
50	QPSK	185	185	17.54	17.73	17.51	17.95	0.0	
50	QPSK	270	0	17.68	17.69	17.64	17.95	0.0	
50	16QAM	1	1	17.52	17.68	17.47	17.95	0.0	
50	64QAM	1	1	17.60	17.59	17.58	17.95	0.0	
50	256QAM	1	1	17.48	17.77	17.60	17.95	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.69	17.82	17.60	17.95	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.65	17.67	17.63	17.95	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.63	17.82	17.65	17.95	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.63	17.82	17.64	17.95	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.66	17.85	17.71	17.95	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.70	17.78	17.63	17.95	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.61	17.77	17.66	17.95	0.0	



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)									
50	QPSK	1	1	23.33	23.26	23.11	24.7	0.0	
50	QPSK	1	1.5	23.34	23.27	23.12			
50	QPSK	1	2.08	22.93	22.82	22.73			
50	QPSK	1.5	0	22.32	22.41	22.29	23.7	1.0	
50	QPSK	1.5	0.8	23.21	23.25	23.16	24.7	0.0	
50	QPSK	1.5	1.5	22.14	22.12	21.83	23.7	1.0	
50	QPSK	2.70	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	20.38	20.38	22.2	2.5	
50	256QAM	1	1	19.16	19.20	19.07	20.2	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.19	23.10	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.22	23.18	23.06	24.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.23	23.14	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.21	23.11	23.03	24.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.22	23.20	22.98	24.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.24	23.14	23.04	24.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.22	23.15	23.03	24.7	0.0	

n7_Ant 5									
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)									
50	QPSK	1	1	19.17	19.21	19.32	20.7	0.0	
50	QPSK	1	1.5	19.48	19.60	19.38			
50	QPSK	1	2.08	19.17	19.24	19.35			
50	QPSK	1.5	0	19.16	19.31	19.20	20.7	0.0	
50	QPSK	1.5	0.8	19.25	19.28	19.26	20.7	0.0	
50	QPSK	1.5	1.5	19.24	19.23	19.13	20.7	0.0	
50	QPSK	2.70	0	19.16	19.32	19.21			
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	17.78	17.80	17.68	18.7	2.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.25	19.36	19.31	20.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.32	19.38	19.34	20.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.32	19.38	19.27	20.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.24	19.27	19.33	20.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.30	19.37	19.27	20.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.25	19.44	19.27	20.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.25	19.35	19.34	20.7	0.0	

n66_Ant 1									
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)									
40	QPSK	1	1	21.29	21.30	21.28			
40	QPSK	1	1.08	21.44	21.45	21.27	22.2	0.0	
40	QPSK	1	2.14	21.38	21.08	21.06			
40	QPSK	1.08	0	21.10	21.23	21.02	22.2	0.0	
40	QPSK	1.08	0.54	21.27	21.28	21.25	22.2	0.0	
40	QPSK	1.08	1.08	21.10	21.09	21.07	22.2	0.0	
40	QPSK	2.16	0	21.02	21.24	21.13			
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	19.44	19.17	19.12	19.7	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.16	21.31	21.16	22.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.14	21.28	21.14	22.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.16	21.26	21.12	22.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.21	21.30	21.18	22.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.23	21.27	21.21	22.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.13	21.27	21.18	22.2	0.0	



n66_Ant 4								
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)				1730	1745	1760		
40	QPSK	1	1	23.61	23.46	23.60	24.7	0.0
40	QPSK	1	168	23.54	23.78	23.71		
40	QPSK	1	214	23.61	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								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.53	23.51	23.48	24.7	0.0
Channel				340300	349000	353000	Tune-up limit (dBm)	MPR (dB)
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 (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.52	23.33	23.49	24.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.53	23.37	23.52	24.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
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	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	20.48	20.59	20.76	21.95	0.0
40	QPSK	1	168	20.58	20.59	20.55		
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	20.93	20.87	21.95	0.0
40	QPSK	108	108	20.69	20.73	20.67	21.95	0.0
40	QPSK	216	0	20.67	20.71	20.70		
40	16QAM	1	1	20.67	20.68	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								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.72	20.50	20.88	21.95	0.0
Channel				340300	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.81	20.94	20.82	21.95	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.78	20.58	20.52	21.95	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.78	20.80	20.80	21.95	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.78	20.92	20.78	21.95	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
5	QPSK	1	1	20.72	20.94	20.86	21.95	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)				516000	518000	520000				
				2990	2995	2900				
40	QPSK	1	1	18.32	18.34	18.34				
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	18.06				
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										
Frequency (MHz)				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)		
				2985	2985	2985				
30	QPSK	1	1	17.97	18.05	18.05	18.45	0.0		
Channel										
Frequency (MHz)				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)		
				2972.5	2975	2977.5				
25	QPSK	1	1	17.99	18.09	18.10	18.45	0.0		
Channel										
Frequency (MHz)				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)		
				2980	2995	2910				
20	QPSK	1	1	18.08	18.09	18.13	18.45	0.0		
Channel										
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)		
				2977.5	2995	2912.5				
15	QPSK	1	1	17.98	18.10	18.13	18.45	0.0		
Channel										
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)		
				2915	2995	2915				
10	QPSK	1	1	18.08	18.05	18.11	18.45	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				
				2990	2995	2900				
40	QPSK	1	1	23.49	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	21.82	21.84	21.79				
40	QPSK	100	0	22.09	22.17	21.96	23.7	1.0		
40	16QAM	1	1	22.05	22.16	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)		
				2985	2985	2985				
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)		
				2972.5	2975	2977.5				
25	QPSK	1	1	23.41	23.49	23.29	24.7	0.0		
Channel										
Frequency (MHz)				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)		
				2980	2995	2910				
20	QPSK	1	1	23.38	23.39	23.32	24.7	0.0		
Channel										
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)		
				2977.5	2995	2912.5				
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)		
				2915	2995	2915				
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										
Frequency (MHz)				516000	519000	520000				
				2990	2995	2900				
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	20.36	20.46	20.31	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	20.30	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										
Frequency (MHz)				517000	519000	521000	Tune-up limit (dBm)	MPR (dB)		
				2985	2985	2985				
30	QPSK	1	1	20.21	20.44	20.38	21.45	0.0		
Channel										
Frequency (MHz)				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)		
				2972.5	2975	2977.5				
25	QPSK	1	1	20.21	20.44	20.40	21.45	0.0		
Channel										
Frequency (MHz)				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)		
				2980	2995	2910				
20	QPSK	1	1	20.23	20.43	20.31	21.45	0.0		
Channel										
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)		
				2977.5	2995	2912.5				
15	QPSK	1	1	20.26	20.42	20.35	21.45	0.0		
Channel										
Frequency (MHz)				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)		
				2915	2995	2915				
10	QPSK	1	1	20.23	20.40	20.36	21.45	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)										
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	211	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	17.32	17.36	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										
Frequency (MHz)										
90	QPSK	1	1	17.17	17.52	17.36	17.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.15	17.45	17.35	17.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.13	17.43	17.33	17.7	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.18	17.44	17.30	17.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.16	17.45	17.34	17.7	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.11	17.47	17.33	17.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.20	17.47	17.34	17.7	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.16	17.47	17.31	17.7	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.15	17.49	17.36	17.7	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)										
100	QPSK	1	1	23.88	23.54	23.65				
100	QPSK	1	137	23.69	22.76	22.26	24.2	0.0		
100	QPSK	1	211	22.89	22.23	22.21				
100	QPSK	135	0	23.25	22.77	22.24				
100	QPSK	135	69	23.78	23.33	23.02	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										
Frequency (MHz)										
90	QPSK	1	1	23.84	23.53	22.57	24.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.98	23.53	22.56	24.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.85	23.52	22.55	24.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.86	23.50	22.55	24.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.79	23.52	22.57	24.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.85	23.45	22.55	24.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.86	23.50	22.63	24.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.81	23.53	22.63	24.2	0.0		
Channel										
Frequency (MHz)										
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)										
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	1	211	19.96	20.25	20.52				
100	QPSK	135	0	19.66	19.80	19.78				
100	QPSK	135	69	19.94	20.15	20.78	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	19.78	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										
Frequency (MHz)										
90	QPSK	1	1	19.88	19.84	19.76	20.95	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.97	19.65	19.77	20.95	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.64	19.80	19.80	20.95	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.65	19.86	19.79	20.95	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.70	19.85	19.83	20.95	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.72	19.79	19.81	20.95	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	19.70	19.78	19.78	20.95	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.65	19.84	19.83	20.95	0.0		
Channel										
Frequency (MHz)										
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			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.09	23.07	23.13			
20	QPSK	1	53	23.06	23.05	23.02	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	22.21	22.25	22.22	24.7	0.0	
20	QPSK	50	56	22.16	22.12	22.10			
20	QPSK	100	0	22.15	22.16	22.15	23.7	1.0	
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	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				163800	167300	163800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.95	23.00	23.06	24.7	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
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			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.07	23.08	23.10			
20	QPSK	1	53	23.01	23.01	23.11	24.7	0.0	
20	QPSK	1	104	23.02	23.03	23.07			
20	QPSK	50	0	22.74	22.76	22.73	23.7	1.0	
20	QPSK	50	28	22.76	22.79	22.76	24.7	0.0	
20	QPSK	50	56	22.72	22.71	22.68			
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	19.54	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				163800	167300	163800	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)				836.5	836.5	836.5			
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				500000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	22.78	23.04	23.12			
50	QPSK	1	135	23.11	23.33	23.25	23.7	0.0	
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	22.30	22.32	22.31	23.7	0.0	
50	QPSK	135	135	22.20	22.21	22.20			
50	QPSK	270	0	22.08	22.23	22.21	22.7	1.0	
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	18.97	18.82	19.2	4.5	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.81	23.07	23.15	23.7	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.5	2535	2557.5			
30	QPSK	1	1	22.76	23.03	23.06	23.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2522.5	2535	2557.5			
25	QPSK	1	1	22.78	23.07	23.09	23.7	0.0	
Channel				500000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	22.82	23.09	23.15	23.7	0.0	
Channel				507500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.77	23.09	23.13	23.7	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.77	22.99	23.14	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	22.75	23.02	23.12	23.7	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				50500	50700	50900			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	23.33	23.26	23.11			
50	QPSK	1	135	23.34	23.37	23.17	23.7	0.0	
50	QPSK	1	268	22.93	22.82	22.73			
50	QPSK	135	0	22.32	22.41	22.29	22.7	1.0	
50	QPSK	135	68	23.71	23.25	21.15	23.7	0.0	
50	QPSK	135	135	22.14	22.12	21.83	22.7	1.0	
50	QPSK	270	0	22.11	22.18	22.02			
50	16QAM	1	1	21.93	22.02	21.90	22.7	1.0	
50	64QAM	1	1	20.43	20.53	20.38	21.2	2.5	
50	256QAM	1	1	19.15	19.20	19.07	19.2	4.5	
Channel				50400	50700	51000	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				50300	50700	51100	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				50200	50700	51150	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				50100	50700	51200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.21	23.13	23.03	23.7	0.0	
Channel				50150	50700	51250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.22	23.20	22.98	23.7	0.0	
Channel				50100	50700	51300	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				50050	50700	51350	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				50500	50700	50900			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	21.75	21.62	21.53			
50	QPSK	1	135	22.69	22.16	21.99	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	21.71	22.15	21.05	23.2	0.0	
50	QPSK	135	135	21.00	20.98	20.84	22.2	1.0	
50	QPSK	270	0	20.91	20.92	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	20.7	2.5	
50	256QAM	1	1	17.85	17.81	17.79	18.7	4.5	
Channel				50400	50700	51000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	21.65	21.81	21.82	23.2	0.0	
Channel				50300	50700	51100	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				50200	50700	51150	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				50100	50700	51200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.60	21.80	21.80	23.2	0.0	
Channel				50150	50700	51250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.88	21.87	21.77	23.2	0.0	
Channel				50100	50700	51300	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				50050	50700	51350	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. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				34600	34900	35000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.42	23.35	23.33			
40	QPSK	1	108	23.69	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	23.43	23.45	23.35	24.2	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	19.20	19.23	19.7	4.5	
Channel				34500	34900	35000	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				34400	34900	35000	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				34300	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
20	QPSK	1	1	23.28	23.22	23.20	24.2	0.0	
Channel				34200	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1780			
15	QPSK	1	1	23.31	23.28	23.27	24.2	0.0	
Channel				34100	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710	1745	1785			
10	QPSK	1	1	23.28	23.28	23.24	24.2	0.0	
Channel				34000	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1790			
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	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	23.61	23.46	23.60	24.7	0.0	
40	QPSK	1	108	23.64	23.78	23.77			
40	QPSK	1	214	23.61	23.64	23.61			
40	QPSK	108	0	22.64	22.54	22.78	23.7	1.0	
40	QPSK	108	84	23.63	23.68	23.63	24.7	0.0	
40	QPSK	108	108	22.77	22.69	22.76	23.7	1.0	
40	QPSK	216	0	22.58	22.68	22.63			
40	16QAM	1	1	22.23	22.26	22.23	23.7	1.0	
40	64QAM	1	1	20.78	20.85	20.76	22.2	2.5	
40	256QAM	1	1	19.32	19.43	19.31	20.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.53	23.31	23.48	24.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
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 (dB)	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
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 (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	23.20	23.21	23.44	24.7	0.0	
40	QPSK	1	108	23.42	23.66	23.56			
40	QPSK	1	214	23.38	23.59	23.56			
40	QPSK	108	0	22.34	22.35	22.63	23.7	1.0	
40	QPSK	108	84	23.57	23.61	23.54	24.7	0.0	
40	QPSK	108	108	22.26	22.20	22.75	23.7	1.0	
40	QPSK	216	0	22.43	22.63	22.61			
40	16QAM	1	1	21.92	21.98	21.87	23.7	1.0	
40	64QAM	1	1	20.42	20.56	20.47	22.2	2.5	
40	256QAM	1	1	19.10	19.17	19.09	20.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.13	23.12	23.28	24.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.15	23.06	23.31	24.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	1	23.13	23.15	23.38	24.7	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.13	23.09	23.34	24.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.08	23.09	23.32	24.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	23.08	23.07	23.29	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				518000	519000	520000			
Frequency (MHz)				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	23.08	23.78	23.71	24.2	0.0	
40	QPSK	50	56	22.70	22.72	22.74			
40	QPSK	100	0	22.78	22.77	22.72	23.2	1.0	
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)				2565	2595	2605			
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)				2582.5	2595	2607.5			
25	QPSK	1	1	23.78	23.80	23.82	24.2	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.81	23.87	23.86	24.2	0.0	
Channel				515500	518000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	23.88	23.88	23.83	24.2	0.0	
Channel				518000	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	

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	23.90	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	28	23.08	23.13	23.01	24.2	0.0	
40	QPSK	50	56	21.92	21.84	21.79			
40	QPSK	100	0	22.09	22.17	21.96	23.2	1.0	
40	16QAM	1	1	22.09	22.18	22.09	23.2	1.0	
40	64QAM	1	1	20.67	20.74	20.66	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)				2565	2595	2605			
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)				2582.5	2595	2607.5			
25	QPSK	1	1	23.41	23.49	23.26	24.2	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.36	23.39	23.32	24.2	0.0	
Channel				515500	518000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	23.44	23.39	23.26	24.2	0.0	
Channel				518000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	23.40	23.40	23.30	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				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	23.93	23.95	23.93			
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	22.94	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	20.16	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)				2565	2595	2605			
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)				2582.5	2595	2607.5			
25	QPSK	1	1	22.80	22.96	22.82	24.2	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.84	22.90	22.87	24.2	0.0	
Channel				515500	518000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	22.88	22.98	22.84	24.2	0.0	
Channel				518000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	23.49	24.02	23.91	24.2	0.0	
100	QPSK	1	137	23.93	24.09	23.93			
100	QPSK	1	271	23.91	23.81	23.87			
100	QPSK	135	0	22.99	22.99	22.97			
100	QPSK	135	69	23.98	23.98	23.95	24.2	0.0	
100	QPSK	135	138	23.05	22.85	22.77			
100	QPSK	270	0	22.88	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									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.34	23.97	23.76	24.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.62	23.99	23.69	24.2	0.0	
Channel									
Frequency (MHz)				506200	518598	530996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.75	23.69	23.14	24.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.69	23.13	24.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.70	23.11	24.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.68	23.07	24.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.76	23.74	23.12	24.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.68	23.07	24.2	0.0	
Channel									
Frequency (MHz)				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.77	23.73	23.11	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.39	23.88	23.75	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.41	23.97	23.77	24.2	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
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)				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	23.91	23.95	23.10	24.2	0.0	
100	QPSK	1	137	23.64	23.07	22.75			
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									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.15	23.75	23.09	24.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.75	23.69	23.14	24.2	0.0	
Channel									
Frequency (MHz)				506200	518598	530996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.75	23.69	23.14	24.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.69	23.13	24.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.70	23.11	24.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.68	23.07	24.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.76	23.74	23.12	24.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.78	23.68	23.07	24.2	0.0	
Channel									
Frequency (MHz)				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.77	23.73	23.11	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.39	23.88	23.75	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.80	23.79	23.12	24.2	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.79	22.85	22.89	24.2	0.0	
100	QPSK	1	137	22.95	23.01	23.32			
100	QPSK	1	271	22.95	23.25	23.77			
100	QPSK	135	0	21.99	21.98	22.17			
100	QPSK	135	69	23.02	23.05	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)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.53	22.74	22.78	24.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.63	22.75	22.84	24.2	0.0	
Channel									
Frequency (MHz)				506200	518598	530996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.68	22.71	22.76	24.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.72	22.71	22.75	24.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.64	22.74	22.84	24.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.61	22.69	22.74	24.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.58	22.73	22.75	24.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.61	22.69	22.74	24.2	0.0	
Channel									
Frequency (MHz)				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.69	22.69	22.78	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.89	22.76	22.74	24.2	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.68	22.73	22.80	24.2	0.0	



Reduced Power Mode for EC1 1 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				16690	16730	16780		
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	23.08		
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	22.18	22.12	22.10	23.7	1.0
20	QPSK	100	0	22.15	22.16	22.15		
20	64QAM	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				16530	16730	16930	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0
Channel				16680	16730	16880	Tune-up limit	MPR
Frequency (MHz)				834	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.55	23.00	23.08	24.7	0.0
Channel				16530	16730	16930	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
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				16690	16730	16780		
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	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	23.75	23.79	23.76	24.7	0.0
20	QPSK	50	56	22.72	22.71	22.88	23.7	1.0
20	QPSK	100	0	22.74	22.75	22.73		
20	64QAM	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	19.86	20.2	4.5
Channel				16530	16730	16930	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
15	QPSK	1	1	23.54	23.61	23.84	24.7	0.0
Channel				16680	16730	16880	Tune-up limit	MPR
Frequency (MHz)				834	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.62	23.62	23.62	24.7	0.0
Channel				16530	16730	16930	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
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				50500	50700	50900		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	16.53	16.51	16.44		
50	QPSK	1	135	16.58	16.60	16.53	16.95	0.0
50	QPSK	1	268	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	16.55	16.50		
50	64QAM	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				50400	50700	51000	Tune-up limit	MPR
Frequency (MHz)				2530	2535	2540	(dBm)	(dB)
40	QPSK	1	1	16.53	16.53	16.44	16.95	0.0
Channel				50300	50700	51100	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	16.44	16.50	16.48	16.95	0.0
Channel				50200	50700	51500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	16.52	16.54	16.49	16.95	0.0
Channel				50100	50700	52000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	16.43	16.48	16.50	16.95	0.0
Channel				50100	50700	51250	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	16.53	16.46	16.40	16.95	0.0
Channel				50100	50700	51300	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	16.43	16.54	16.50	16.95	0.0
Channel				50050	50700	51550	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	16.53	16.51	16.43	16.95	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									
Frequency (MHz)									
50	QPSK	1	1	17.70	17.77	17.62			
50	QPSK	1	135	17.85	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	17.75	17.83	17.71	18.2	0.0	
50	QPSK	135	135	17.66	17.71	17.66	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	17.70	17.64	18.2	0.0	
Channel				50400	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2324	2335	2350			
40	QPSK	1	1	17.65	17.69	17.65	18.2	0.0	
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2316	2335	2355			
30	QPSK	1	1	17.74	17.71	17.67	18.2	0.0	
Channel				50200	50700	51100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.70	17.70	17.64	18.2	0.0	
Channel				50200	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	17.69	17.75	17.64	18.2	0.0	
Channel				50150	50700	51200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.71	17.70	17.62	18.2	0.0	
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.74	17.74	17.60	18.2	0.0	
Channel				50050	50700	51350	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.65	17.69	17.63	18.2	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									
Frequency (MHz)									
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	17.55	17.68	17.51	18.7	0.0	
50	QPSK	135	135	17.52	17.58	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				50400	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2324	2335	2350			
40	QPSK	1	1	17.59	17.58	17.58	18.7	0.0	
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2316	2335	2355			
30	QPSK	1	1	17.57	17.54	17.50	18.7	0.0	
Channel				50200	50700	51100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.60	17.54	17.52	18.7	0.0	
Channel				50200	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	17.55	17.57	17.57	18.7	0.0	
Channel				50150	50700	51200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.57	17.54	17.58	18.7	0.0	
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.60	17.59	17.55	18.7	0.0	
Channel				50050	50700	51350	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.57	17.58	17.48	18.7	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									
Frequency (MHz)									
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	22.52	23.20	0.3	
40	16QAM	1	1	22.05	22.14	22.09	23.20	0.3	
40	64QAM	1	1	20.68	20.74	20.82	21.70	1.8	
40	256QAM	1	1	19.21	19.30	19.23	19.70	3.8	
Channel				34500	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.72	22.77	22.73	23.45	0.0	
Channel				34400	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.68	22.73	22.71	23.45	0.0	
Channel				34300	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.65	22.72	22.65	23.45	0.0	
Channel				34200	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.73	22.76	22.69	23.45	0.0	
Channel				34100	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.67	22.69	22.67	23.45	0.0	
Channel				34000	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.71	22.73	22.63	23.45	0.0	



n66_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				349000	349000	350000	
Frequency (MHz)				1725	1745	1765	
40	QPSK	1	1	18.95	18.93	18.90	
40	QPSK	1	108	19.00	19.05	19.02	19.95
40	QPSK	1	214	18.84	18.89	18.84	
40	QPSK	108	0	18.91	18.90	18.93	19.95
40	QPSK	108	54	18.95	19.02	19.00	19.95
40	QPSK	108	108	18.85	18.90	18.84	19.95
40	QPSK	216	0	18.95	19.00	18.98	
40	16QAM	1	1	18.94	18.93	18.97	19.95
40	64QAM	1	1	18.94	18.91	18.87	19.95
40	256QAM	1	1	18.89	18.89	18.91	19.95
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	18.86	18.92	18.87	19.95
Channel				344000	346000	350000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.86	18.90	18.82	19.95
Channel				346000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	18.95	18.92	18.95	19.95
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.94	18.92	18.87	19.95
Channel				343000	349000	355000	
Frequency (MHz)				1717.5	1745	1775	
10	QPSK	1	1	18.87	18.92	18.92	19.95
Channel				342000	349000	355000	
Frequency (MHz)				1715.5	1745	1777.5	
5	QPSK	1	1	18.94	18.92	18.87	19.95

n66_Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				349000	349000	350000	
Frequency (MHz)				1725	1745	1765	
40	QPSK	1	1	20.06	20.10	20.10	
40	QPSK	1	108	20.15	20.20	20.17	21.2
40	QPSK	1	214	20.02	20.12	20.09	
40	QPSK	108	0	20.00	20.11	20.06	21.2
40	QPSK	108	54	20.10	20.18	20.15	21.2
40	QPSK	108	108	20.01	20.12	20.01	21.2
40	QPSK	216	0	20.11	20.15	20.13	
40	16QAM	1	1	20.09	20.09	20.05	21.2
40	64QAM	1	1	20.00	20.12	20.02	21.2
40	256QAM	1	1	19.10	19.17	19.08	20.2
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.04	20.10	20.04	21.2
Channel				344000	346000	350000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.03	20.14	20.05	21.2
Channel				346000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.07	20.08	20.11	21.2
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.04	20.14	20.01	21.2
Channel				343000	349000	355000	
Frequency (MHz)				1717.5	1745	1775	
10	QPSK	1	1	20.00	20.13	20.12	21.2
Channel				342000	349000	355000	
Frequency (MHz)				1715.5	1745	1777.5	
5	QPSK	1	1	20.05	20.06	20.07	21.2



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			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	18.35	18.43	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	18.32	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)	
Frequency (MHz)				2565	2595	2605			
30	QPSK	1	1	18.32	18.43	18.39	18.7	0.0	
Channel				518500	519000	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)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.32	18.43	18.33	18.7	0.0	
Channel				515500	518000	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	20.33	20.35	20.30			
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)	
Frequency (MHz)				2565	2595	2605			
30	QPSK	1	1	20.22	20.26	20.19	20.95	0.0	
Channel				518500	519000	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)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.19	20.28	20.25	20.95	0.0	
Channel				515500	518000	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	20.50	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	19.25	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	19.26	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)	
Frequency (MHz)				2565	2595	2605			
30	QPSK	1	1	19.23	19.19	19.20	20.45	0.0	
Channel				518500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	19.18	19.16	19.25	20.45	0.0	
Channel				517000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.15	19.24	19.17	20.45	0.0	
Channel				515500	518000	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	



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)				509202	518598	528000					
Frequency (MHz)				2546.01	2592.99	2640					
100	QPSK	1	1	16.90	16.80	16.78	16.95	0.0			
100	QPSK	1	137	16.85	16.88	16.83					
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											
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2541	2592.99	2644.98	18.55	0.0			
Channel											
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2538.02	2592.99	2649.99	16.78	16.74	16.70	16.95	0.0
Channel											
Frequency (MHz)				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	17.60	17.54	17.41	17.95	0.0			
Channel											
Frequency (MHz)				505200	518598	534996	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2526	2592.99	2659.98	16.78	16.76	16.70	16.95	0.0
Channel											
Frequency (MHz)				504204	518598	535998	Tune-up limit (dBm)	MPR (dB)			
60	QPSK	1	1	17.61	17.44	17.50	17.95	0.0			
Channel											
Frequency (MHz)				503200	518598	539000	Tune-up limit (dBm)	MPR (dB)			
50	QPSK	1	1	17.58	17.52	17.43	17.95	0.0			
Channel											
Frequency (MHz)				502200	518598	543000	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	2516.01	2592.99	2670	18.55	0.0			
Channel											
Frequency (MHz)				501200	518598	546996	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	17.63	17.58	17.50	17.95	0.0			
Channel											
Frequency (MHz)				500200	518598	550998	Tune-up limit (dBm)	MPR (dB)			
30	QPSK	1	1	16.71	16.77	16.78	16.95	0.0			
Channel											
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	1	16.72	16.81	16.75	16.95	0.0			
Channel											
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	1	2503.5	2592.99	2692.48	18.55	0.0			
Channel											
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	1	2501.01	2592.99	2685	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											
Frequency (MHz)				509202	518598	528000					
Frequency (MHz)				2546.01	2592.99	2640					
100	QPSK	1	1	17.68	17.60	17.58	17.95	0.0			
100	QPSK	1	137	17.60	17.50	17.39					
100	QPSK	1	271	17.62	17.51	17.39					
100	QPSK	135	0	17.60	17.46	17.48					
100	QPSK	135	69	17.66	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											
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2541	2592.99	2644.98	17.57	17.53	17.43	17.95	0.0
Channel											
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2538.02	2592.99	2649.99	17.60	17.54	17.41	17.95	0.0
Channel											
Frequency (MHz)				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2526	2592.99	2659.98	17.61	17.44	17.50	17.95	0.0
Channel											
Frequency (MHz)				505200	518598	534996	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2516.01	2592.99	2670	17.63	17.58	17.50	17.95	0.0
Channel											
Frequency (MHz)				504204	518598	535998	Tune-up limit (dBm)	MPR (dB)			
60	QPSK	1	1	17.61	17.44	17.50	17.95	0.0			
Channel											
Frequency (MHz)				503200	518598	539000	Tune-up limit (dBm)	MPR (dB)			
50	QPSK	1	1	17.58	17.52	17.43	17.95	0.0			
Channel											
Frequency (MHz)				502200	518598	543000	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	2516.01	2592.99	2670	17.63	17.58	17.50	17.95	0.0
Channel											
Frequency (MHz)				501200	518598	546996	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	17.63	17.58	17.50	17.95	0.0			
Channel											
Frequency (MHz)				500200	518598	550998	Tune-up limit (dBm)	MPR (dB)			
30	QPSK	1	1	16.71	16.77	16.78	16.95	0.0			
Channel											
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	1	16.72	16.81	16.75	16.95	0.0			
Channel											
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	1	2503.5	2592.99	2692.48	17.58	17.55	17.47	17.95	0.0
Channel											
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	1	2501.01	2592.99	2685	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											
Frequency (MHz)				509202	518598	528000					
Frequency (MHz)				2546.01	2592.99	2640					
100	QPSK	1	1	17.91	17.86	18.42					
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	17.86	17.86	18.36					
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											
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2541	2592.99	2644.98	17.94	17.89	18.41	19.0	0.0
Channel											
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2538.02	2592.99	2649.99	17.88	17.90	18.40	19.0	0.0
Channel											
Frequency (MHz)				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)			
80	QPSK	1	1	2526	2592.99	2659.98	17.91	17.86	18.41	19.0	0.0
Channel											
Frequency (MHz)				505200	518598	534996	Tune-up limit (dBm)	MPR (dB)			
60	QPSK	1	1	17.91	17.86	18.41	19.0	0.0			
Channel											
Frequency (MHz)				504204	518598	535998	Tune-up limit (dBm)	MPR (dB)			
60	QPSK	1	1	17.91	17.86	18.41	19.0	0.0			
Channel											
Frequency (MHz)				503200	518598	539000	Tune-up limit (dBm)	MPR (dB)			
50	QPSK	1	1	17.91	17.90	18.47	19.0	0.0			
Channel											
Frequency (MHz)				502200	518598	543000	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	2516.01	2592.99	2670	17.91	17.86	18.42	19.0	0.0
Channel											
Frequency (MHz)				501200	518598	546996	Tune-up limit (dBm)	MPR (dB)			
40	QPSK	1	1	17.91	17.86	18.42	19.0	0.0			
Channel											
Frequency (MHz)				500200	518598	550998	Tune-up limit (dBm)	MPR (dB)			
30	QPSK	1	1	16.71	16.77	16.78	16.95	0.0			
Channel											
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	1	16.72	16.81	16.75	16.95	0.0			
Channel											
Frequency (MHz)				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	1	2503.5	2592.99	2692.48	17.91	17.89	18.36	19.0	0.0
Channel											
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	1	2501.01	2592.99	2685	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									
Frequency (MHz)				16800	16700	16700			
				534	536.5	539			
20	QPSK	1	1	23.09	23.07	23.13			
20	QPSK	1	53	23.25	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			
20	64QAM	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									
Frequency (MHz)				16830	16730	16730	Tune-up limit (dBm)	MPR (dB)	
				831.5	836.5	841.5			
15	QPSK	1	1	23.04	22.98	23.08	24.7	0.0	
Channel									
Frequency (MHz)				16880	16730	16880	Tune-up limit (dBm)	MPR (dB)	
				329	336.5	344			
10	QPSK	1	1	22.95	23.00	23.08	24.7	0.0	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
				626.5	636.5	646.5			
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									
Frequency (MHz)				16800	16700	16700			
				534	536.5	539			
20	QPSK	1	1	23.07	23.08	23.70			
20	QPSK	1	53	23.81	23.91	23.77	24.7	0.0	
20	QPSK	1	104	23.82	23.83	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	22.88	23.7	1.0	
20	QPSK	100	0	22.74	22.75	22.73			
20	64QAM	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	19.86	20.2	4.5	
Channel									
Frequency (MHz)				16830	16730	16830	Tune-up limit (dBm)	MPR (dB)	
				831.5	836.5	841.5			
15	QPSK	1	1	23.54	23.61	23.84	24.7	0.0	
Channel									
Frequency (MHz)				16880	16730	16880	Tune-up limit (dBm)	MPR (dB)	
				329	336.5	344			
10	QPSK	1	1	23.82	23.82	23.82	24.7	0.0	
Channel									
Frequency (MHz)				16930	16730	16930	Tune-up limit (dBm)	MPR (dB)	
				626.5	636.5	646.5			
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									
Frequency (MHz)				50500	50700	50800			
				2525	2535	2545			
50	QPSK	1	1	15.92	15.94	15.97			
50	QPSK	1	135	16.03	16.10	16.05	16.45	0.0	
50	QPSK	1	268	16.01	15.99	15.95			
50	QPSK	135	0	15.97	15.95	15.95	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	15.95	15.95	16.45	0.0	
50	64QAM	1	1	15.94	16.05	15.99	16.45	0.0	
50	256QAM	1	1	15.99	16.04	15.89	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	51000	Tune-up limit (dBm)	MPR (dB)	
				2520	2535	2560			
40	QPSK	1	1	16.02	15.96	15.90	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	511000	Tune-up limit (dBm)	MPR (dB)	
				2415	2435	2465			
30	QPSK	1	1	16.03	16.01	15.97	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	511500	Tune-up limit (dBm)	MPR (dB)	
				2512.5	2535	2557.5			
25	QPSK	1	1	15.97	16.00	15.95	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	52000	Tune-up limit (dBm)	MPR (dB)	
				2510	2535	2560			
20	QPSK	1	1	16.02	16.00	15.97	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	512500	Tune-up limit (dBm)	MPR (dB)	
				2497.5	2515	2542.5			
15	QPSK	1	1	16.02	16.04	15.95	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	513000	Tune-up limit (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	1	15.96	16.04	15.95	16.45	0.0	
Channel									
Frequency (MHz)				50500	50700	513500	Tune-up limit (dBm)	MPR (dB)	
				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				50000	50700	50900					
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	21.98	21.99	21.96					
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	21.50	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				50400	50700	51000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2529	2535	2550					
40	QPSK	1	1	21.98	22.00	21.91	22.45	0.0			
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516	2535	2565					
30	QPSK	1	1	21.89	22.00	21.87	22.45	0.0			
Channel				50200	50700	51100	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2512.5	2535	2567.5					
25	QPSK	1	1	22.08	22.07	21.94	22.45	0.0			
Channel				50100	50700	51200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	1	22.05	21.99	21.92	22.45	0.0			
Channel				50150	50700	51200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	22.05	22.00	21.91	22.45	0.0			
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	22.05	22.04	21.94	22.45	0.0			
Channel				50050	50700	51300	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	22.08	22.09	21.93	22.45	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				50000	50700	50900					
Frequency (MHz)				2529	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	17.99					
50	QPSK	135	0	18.09	18.02	18.06	19.2	0.0			
50	QPSK	135	68	18.13	18.10	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				50400	50700	51000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2529	2535	2550					
40	QPSK	1	1	18.05	18.05	18.01	19.2	0.0			
Channel				50300	50700	51100	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516	2535	2565					
30	QPSK	1	1	17.99	18.11	17.99	19.2	0.0			
Channel				50200	50700	51100	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2512.5	2535	2567.5					
25	QPSK	1	1	18.03	18.12	18.06	19.2	0.0			
Channel				50100	50700	51200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	1	18.10	18.11	17.98	19.2	0.0			
Channel				50150	50700	51200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	1	18.03	18.13	18.02	19.2	0.0			
Channel				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	1	18.01	18.05	18.01	19.2	0.0			
Channel				50050	50700	51300	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	1	18.09	18.02	17.95	19.2	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				34000	34000	35000					
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	19.95	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				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1725	1745	1765					
30	QPSK	1	1	19.91	19.98	19.85	20.7	0.0			
Channel				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1722.5	1745	1767.5					
25	QPSK	1	1	19.87	19.92	19.84	20.7	0.0			
Channel				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	1	19.95	19.90	19.90	20.7	0.0			
Channel				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1718	1745	1775					
15	QPSK	1	1	19.88	19.97	19.84	20.7	0.0			
Channel				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1745	1772.5					
10	QPSK	1	1	19.91	19.98	19.87	20.7	0.0			
Channel				34000	34000	35000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	1	19.90	19.93	19.94	20.7	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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	23.61	23.48	23.60		
40	QPSK	1	108	23.64	23.78	23.71	24.7	0.0
40	QPSK	1	214	23.61	23.64	23.61		
40	QPSK	108	0	22.68	22.84	22.78	23.7	1.0
40	QPSK	108	84	23.63	23.68	23.63	24.7	0.0
40	QPSK	108	108	22.77	22.89	22.78	23.7	1.0
40	QPSK	216	0	22.98	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				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	23.53	23.31	23.48	24.9	0.0
Channel				344000	346000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dB)	(dB)
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	(dB)	(dB)
20	QPSK	1	1	23.55	23.33	23.49	24.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
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)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	23.46	23.33	23.53	24.7	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	23.50	23.32	23.44	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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	1	19.23	19.40	19.32		
40	QPSK	1	108	19.30	19.45	19.43	20.45	0.0
40	QPSK	1	214	19.25	19.32	19.25		
40	QPSK	108	0	19.28	19.33	19.30	20.45	0.0
40	QPSK	108	84	19.30	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	19.39	19.37	20.45	0.0
40	256QAM	1	1	19.10	19.17	19.08	20.20	0.3
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
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	(dB)	(dB)
25	QPSK	1	1	19.22	19.32	19.31	20.45	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	19.32	19.31	19.28	20.45	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
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)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	19.26	19.38	19.35	20.45	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	19.24	19.31	19.28	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				518000	519000	520000			
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	16.95	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	16.95	0.0	
40	QPSK	50	56	16.55	16.62	16.66			
40	QPSK	100	0	16.63	16.70	16.68	16.95	0.0	
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)				2565	2595	2605			
30	QPSK	1	1	16.51	16.54	16.59	16.95	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.5	2595	2607.5			
25	QPSK	1	1	16.62	16.63	16.61	16.95	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
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			
15	QPSK	1	1	16.58	16.67	16.64	16.95	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	16.62	16.68	16.65	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				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	22.95	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	23.00	22.95	23.7	0.0	
40	QPSK	50	56	22.91	23.00	22.84			
40	QPSK	100	0	22.09	22.17	21.96	23.2	0.5	
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)				2565	2595	2605			
30	QPSK	1	1	22.98	22.97	22.99	23.7	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.5	2595	2607.5			
25	QPSK	1	1	22.92	23.00	22.93	23.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
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			
15	QPSK	1	1	22.94	22.96	22.94	23.7	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	22.95	22.99	22.90	23.7	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				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	QPSK	1	1	18.13	18.68	18.13			
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	18.81	18.85	18.83	19.95	0.0	
40	QPSK	50	56	18.70	18.78	18.73			
40	QPSK	100	0	18.80	18.83	18.82	19.95	0.0	
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)				2565	2595	2605			
30	QPSK	1	1	18.70	18.74	18.77	19.95	0.0	
Channel				516500	519000	521500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2562.5	2595	2607.5			
25	QPSK	1	1	18.72	18.81	18.77	19.95	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
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			
15	QPSK	1	1	18.67	18.78	18.74	19.95	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	18.76	18.75	18.76	19.95	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)								
				509202	518598	528000		
				2546.01	2592.99	2640		
100	QPSK	1	1	15.98	16.08	16.04	18.2	0.0
100	QPSK	1	137	16.11	16.13	16.10		
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	18.2	0.0
100	QPSK	135	138	15.98	16.02	15.97		
100	QPSK	270	0	16.05	16.08	16.02	18.2	0.0
100	16QAM	1	1	16.06	16.03	15.99	18.2	0.0
100	64QAM	1	1	16.00	16.03	16.02	18.2	0.0
100	256QAM	1	1	15.98	16.02	16.02	18.2	0.0
Channel								
Frequency (MHz)								
				508200	518598	528998		
				2541	2592.99	2644.98		
80	QPSK	1	1	15.97	15.97	16.03	18.2	0.0
Channel								
Frequency (MHz)								
				507204	518598	529998		
				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.98	15.97	16.05	18.2	0.0
Channel								
Frequency (MHz)								
				506200	518598	530998		
				2531	2592.99	2654.98		
60	QPSK	1	1	16.05	16.00	16.03	18.2	0.0
Channel								
Frequency (MHz)								
				504204	518598	532998		
				2524.02	2592.99	2664.98		
50	QPSK	1	1	16.01	15.98	15.94	18.2	0.0
Channel								
Frequency (MHz)								
				503202	518598	534000		
				2516.01	2592.99	2670		
40	QPSK	1	1	15.96	16.08	15.96	18.2	0.0
Channel								
Frequency (MHz)								
				502200	518598	534998		
				2511	2592.99	2674.98		
30	QPSK	1	1	16.02	15.98	16.02	18.2	0.0
Channel								
Frequency (MHz)								
				501204	518598	535998		
				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.02	16.05	16.02	18.2	0.0
Channel								
Frequency (MHz)								
				500700	518598	536498		
				2501.01	2592.99	2685		
15	QPSK	1	1	16.05	16.04	15.99	18.2	0.0
Channel								
Frequency (MHz)								
				500202	518598	537000		
				2501.01	2592.99	2685		
10	QPSK	1	1	15.97	16.04	15.97	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								
Frequency (MHz)								
				509202	518598	528000		
				2546.01	2592.99	2640		
100	QPSK	1	1	22.25	22.15	21.91	22.45	0.0
100	QPSK	1	137	22.12	22.03	21.74		
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	22.13	21.82	22.45	0.0
100	QPSK	135	138	22.14	22.10	21.74		
100	QPSK	270	0	22.21	22.05	21.78	22.45	0.0
100	16QAM	1	1	22.11	22.05	21.83	22.45	0.0
100	64QAM	1	1	20.96	20.96	21.12	21.70	0.8
100	256QAM	1	1	19.23	19.09	19.80	19.70	2.8
Channel								
Frequency (MHz)								
				508200	518598	528998		
				2541	2592.99	2644.98		
80	QPSK	1	1	22.13	21.99	21.73	22.45	0.0
Channel								
Frequency (MHz)								
				507204	518598	529998		
				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.17	21.99	21.83	22.45	0.0
Channel								
Frequency (MHz)								
				506200	518598	530998		
				2531	2592.99	2654.98		
60	QPSK	1	1	22.17	22.00	21.74	22.45	0.0
Channel								
Frequency (MHz)								
				504204	518598	532998		
				2524.02	2592.99	2664.98		
50	QPSK	1	1	22.17	22.08	21.78	22.45	0.0
Channel								
Frequency (MHz)								
				503202	518598	534000		
				2516.01	2592.99	2670		
40	QPSK	1	1	22.09	22.09	21.82	22.45	0.0
Channel								
Frequency (MHz)								
				502200	518598	534998		
				2511	2592.99	2674.98		
30	QPSK	1	1	22.18	22.09	21.80	22.45	0.0
Channel								
Frequency (MHz)								
				501204	518598	535998		
				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.16	22.05	21.78	22.45	0.0
Channel								
Frequency (MHz)								
				500700	518598	536498		
				2501.01	2592.99	2685		
15	QPSK	1	1	22.13	22.02	21.74	22.45	0.0
Channel								
Frequency (MHz)								
				500202	518598	537000		
				2501.01	2592.99	2685		
10	QPSK	1	1	22.14	22.03	21.76	22.45	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)								
				509202	518598	528000		
				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	0.0
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	0.0
100	QPSK	135	138	18.12	18.16	18.74		
100	QPSK	270	0	18.20	18.25	18.75	19.2	0.0
100	16QAM	1	1	18.18	18.18	18.73	19.2	0.0
100	64QAM	1	1	18.08	18.14	18.68	19.2	0.0
100	256QAM	1	1	18.09	18.17	18.69	19.2	0.0
Channel								
Frequency (MHz)								
				508200	518598	528998		
				2541	2592.99	2644.98		
80	QPSK	1	1	18.15	18.22	18.65	19.2	0.0
Channel								
Frequency (MHz)								
				507204	518598	529998		
				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.16	18.21	18.76	19.2	0.0
Channel								
Frequency (MHz)								
				506200	518598	530998		
				2531	2592.99	2654.98		
60	QPSK	1	1	18.07	18.16	18.65	19.2	0.0
Channel								
Frequency (MHz)								
				504204	518598	532998		
				2524.02	2592.99	2664.98		
50	QPSK	1	1	18.14	18.18	18.71	19.2	0.0
Channel								
Frequency (MHz)								
				503202	518598	534000		
				2516.01	2592.99	2670		
40	QPSK	1	1	18.08	18.25	18.75	19.2	0.0
Channel								
Frequency (MHz)								
				502200	518598	534998		
				2511	2592.99	2674.98		
30	QPSK	1	1	18.07	18.20	18.73	19.2	0.0
Channel								
Frequency (MHz)								
				501204	518598	535998		
				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.08	18.23	18.69	19.2	0.0
Channel								
Frequency (MHz)								
				500700	518598	536498		
				2501.01	2592.99	2685		
15	QPSK	1	1	18.07	18.19	18.67	19.2	0.0
Channel								
Frequency (MHz)								
				500202	518598	537000		
				2501.01	2592.99	2685		
10	QPSK	1	1	18.15	18.20	18.74	19.2	0.0



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							
Frequency (MHz)				16680	16730	16780	
20	QPSK	1	1	184	186.5	189	
20	QPSK	1	53	23.09	23.07	23.13	24.7
20	QPSK	1	104	23.06	23.07	23.03	0.0
20	QPSK	50	0	22.16	22.22	22.20	23.7
20	QPSK	50	26	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	2.0
20	16QAM	1	1	21.76	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							
Frequency (MHz)				16630	16730	16830	MPR (dB)
15	QPSK	1	1	23.04	22.98	23.08	24.7
Channel							
Frequency (MHz)				16580	16730	16880	MPR (dB)
10	QPSK	1	1	829	836.5	844	24.7
Channel							
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)
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							
Frequency (MHz)				16680	16730	16780	
20	QPSK	1	1	184	186.5	189	
20	QPSK	1	53	23.07	23.08	23.10	24.7
20	QPSK	1	104	23.02	23.03	23.07	0.0
20	QPSK	50	0	22.74	22.76	22.73	23.7
20	QPSK	50	26	23.76	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	2.0
20	16QAM	1	1	22.26	22.41	22.26	23.7
20	64QAM	1	1	20.86	20.94	20.84	22.2
20	256QAM	1	1	19.64	19.76	19.66	20.2
Channel							
Frequency (MHz)				16630	16730	16830	MPR (dB)
15	QPSK	1	1	23.04	23.01	23.04	24.7
Channel							
Frequency (MHz)				16580	16730	16880	MPR (dB)
10	QPSK	1	1	829	836.5	844	24.7
Channel							
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)
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							
Frequency (MHz)				50500	50700	50900	
50	QPSK	1	1	2455	2455	2455	
50	QPSK	1	135	15.26	15.29	15.12	15.7
50	QPSK	1	268	15.26	15.19	15.14	0.0
50	QPSK	135	0	15.18	15.26	15.20	15.7
50	QPSK	135	68	15.30	15.33	15.35	15.7
50	QPSK	135	135	15.16	15.27	15.21	15.7
50	QPSK	270	0	15.28	15.30	15.23	0.0
50	16QAM	1	1	15.17	15.21	15.23	15.7
50	64QAM	1	1	15.27	15.24	15.12	15.7
50	256QAM	1	1	15.22	15.24	15.16	15.7
Channel							
Frequency (MHz)				50600	50700	51000	MPR (dB)
40	QPSK	1	1	15.16	15.25	15.20	15.7
Channel							
Frequency (MHz)				50300	50700	51000	MPR (dB)
30	QPSK	1	1	2515	2535	2555	15.7
30	QPSK	1	1	15.26	15.23	15.20	0.0
Channel							
Frequency (MHz)				52200	52100	51900	MPR (dB)
25	QPSK	1	1	2512.5	2535	2557.5	15.7
25	QPSK	1	1	15.27	15.19	15.12	15.7
Channel							
Frequency (MHz)				50200	50700	51200	MPR (dB)
20	QPSK	1	1	15.20	15.30	15.19	15.7
Channel							
Frequency (MHz)				50100	50700	51250	MPR (dB)
15	QPSK	1	1	2517.5	2535	2552.5	15.7
15	QPSK	1	1	15.19	15.27	15.14	15.7
Channel							
Frequency (MHz)				50100	50700	51300	MPR (dB)
10	QPSK	1	1	15.16	15.29	15.17	15.7
Channel							
Frequency (MHz)				52200	52300	52300	MPR (dB)
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									
Frequency (MHz)									
50	QPSK	1	1	16.21	16.30	16.05			
50	QPSK	1	135	16.30	16.40	16.15	16.7	0.0	
50	QPSK	1	268	16.26	16.35	16.10			
50	QPSK	135	0	16.31	16.28	16.08	16.7	0.0	
50	QPSK	135	68	16.33	16.37	16.16	16.7	0.0	
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	16.7	0.0	
50	64QAM	1	1	16.22	16.34	16.05	16.7	0.0	
50	256QAM	1	1	16.20	16.25	16.13	16.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.25	16.34	16.04	16.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.26	16.30	16.11	16.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.24	16.31	16.13	16.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.24	16.32	16.07	16.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.23	16.31	16.04	16.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.29	16.33	16.02	16.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.23	16.31	16.05	16.7	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									
Frequency (MHz)									
50	QPSK	1	1	16.36	16.32	16.30			
50	QPSK	1	135	16.40	16.47	16.41	17.45	0.0	
50	QPSK	1	268	16.39	16.33	16.29			
50	QPSK	135	0	16.32	16.35	16.25	17.45	0.0	
50	QPSK	135	68	16.35	16.45	16.40	17.45	0.0	
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	17.45	0.0	
50	64QAM	1	1	16.35	16.39	16.30	17.45	0.0	
50	256QAM	1	1	16.39	16.33	16.29	17.45	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.36	16.31	16.29	17.45	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.36	16.31	16.28	17.45	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.36	16.33	16.32	17.45	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.34	16.31	16.25	17.45	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.32	16.33	16.25	17.45	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.36	16.34	16.34	17.45	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.34	16.35	16.33	17.45	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.90	20.99	20.86			
40	QPSK	1	108	21.02	21.05	20.98	21.7	0.0	
40	QPSK	1	214	20.88	20.89	20.87			
40	QPSK	108	0	20.96	20.91	20.82	21.7	0.0	
40	QPSK	108	54	21.05	21.03	20.95	21.7	0.0	
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	21.7	0.0	
40	64QAM	1	1	20.94	20.96	20.83	21.7	0.0	
40	256QAM	1	1	19.21	19.30	19.23	19.7	2.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.90	20.99	20.83	21.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.93	20.94	20.83	21.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.97	20.91	20.89	21.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.97	21.00	20.93	21.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.97	20.99	20.89	21.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.88	20.98	20.84	21.7	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	349000	350000			
Frequency (MHz)				1725	1745	1760			
40	QPSK	1	1	17.58	17.74	17.59			
40	QPSK	1	108	17.68	17.80	17.75	18.7	0.0	
40	QPSK	1	214	17.54	17.64	17.61			
40	QPSK	108	0	17.66	17.76	17.67	18.7	0.0	
40	QPSK	108	54	17.75	17.78	17.75	18.7	0.0	
40	QPSK	108	108	17.63	17.74	17.67	18.7	0.0	
40	QPSK	216	0	17.62	17.75	17.71			
40	16QAM	1	1	17.62	17.71	17.65	18.7	0.0	
40	64QAM	1	1	17.52	17.71	17.59	18.7	0.0	
40	256QAM	1	1	17.58	17.64	17.70	18.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.60	17.74	17.67	18.7	0.0	
Channel				346500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.64	17.70	17.65	18.7	0.0	
Channel				346500	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.63	17.68	17.69	18.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	1	17.58	17.72	17.65	18.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710	1745	1775			
10	QPSK	1	1	17.60	17.65	17.65	18.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.52	17.75	17.67	18.7	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	349000	350000			
Frequency (MHz)				1725	1745	1760			
40	QPSK	1	1	18.94	19.04	18.99			
40	QPSK	1	108	18.10	18.20	18.13	20.2	0.0	
40	QPSK	1	214	18.84	18.95	18.94			
40	QPSK	108	0	18.98	19.11	19.04	20.2	0.0	
40	QPSK	108	54	19.05	18.18	19.11	20.2	0.0	
40	QPSK	108	108	18.97	19.04	18.98	20.2	0.0	
40	QPSK	216	0	19.02	19.16	19.09			
40	16QAM	1	1	18.94	19.14	19.06	20.2	0.0	
40	64QAM	1	1	19.04	19.15	19.07	20.2	0.0	
40	256QAM	1	1	18.94	19.09	19.00	20.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722	1745	1765			
30	QPSK	1	1	18.95	19.06	19.01	20.2	0.0	
Channel				346500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.94	19.00	18.98	20.2	0.0	
Channel				346500	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.95	19.05	19.04	20.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	1	18.98	19.13	19.05	20.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710	1745	1775			
10	QPSK	1	1	18.94	19.12	19.04	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.04	19.10	18.97	20.2	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)				516000	518000	520000				
				2990	2995	2990				
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	16.91	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										
Frequency (MHz)				517000	519000	521000				
				2985	2985	2985				
30	QPSK	1	1	16.87	16.90	16.81	17.2	0.0		
Channel										
Frequency (MHz)				516500	519000	521500				
				2985	2985	2985				
25	QPSK	1	1	16.94	16.95	16.90	17.2	0.0		
Channel										
Frequency (MHz)				516000	519000	520000				
				2990	2995	2910				
20	QPSK	1	1	16.85	16.89	16.81	17.2	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2977.5	2995	2912.5				
15	QPSK	1	1	16.78	16.83	16.88	17.2	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2915	2995	2915				
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										
Frequency (MHz)				518000	519000	520000				
				2990	2995	2990				
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	16.96	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										
Frequency (MHz)				517000	519000	521000				
				2985	2985	2985				
30	QPSK	1	1	16.93	16.90	16.79	19.7	0.0		
Channel										
Frequency (MHz)				516500	519000	521500				
				2985	2985	2985				
25	QPSK	1	1	16.96	16.90	16.93	19.7	0.0		
Channel										
Frequency (MHz)				516000	519000	520000				
				2990	2995	2910				
20	QPSK	1	1	16.94	16.95	16.85	19.7	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2977.5	2995	2912.5				
15	QPSK	1	1	16.90	16.92	16.84	19.7	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2915	2995	2915				
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										
Frequency (MHz)				516000	519000	520000				
				2990	2995	2990				
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	17.76	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										
Frequency (MHz)				517000	519000	521000				
				2985	2985	2985				
30	QPSK	1	1	17.64	17.75	17.64	18.95	0.0		
Channel										
Frequency (MHz)				516500	519000	521500				
				2985	2985	2985				
25	QPSK	1	1	17.68	17.70	17.70	18.95	0.0		
Channel										
Frequency (MHz)				516000	519000	520000				
				2990	2995	2910				
20	QPSK	1	1	17.59	17.71	17.65	18.95	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2977.5	2995	2912.5				
15	QPSK	1	1	17.59	17.77	17.69	18.95	0.0		
Channel										
Frequency (MHz)				515000	519000	523000				
				2915	2995	2915				
10	QPSK	1	1	17.64	17.76	17.68	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								
Frequency (MHz)								
100	QPSK	1	1	15.47	15.47	15.43		
100	QPSK	1	137	15.90	15.63	15.36	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	135	138	15.52	15.51	15.44		
100	QPSK	270	0	15.96	15.96	15.93	15.7	0.0
100	16QAM	1	1	15.46	15.50	15.48	15.7	0.0
100	16QAM	1	1	15.49	15.52	15.42	15.7	0.0
100	256QAM	1	1	15.94	15.48	15.45	15.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.46	15.50	15.50	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.51	15.49	15.44	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.51	15.49	15.44	15.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.51	15.54	15.44	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.50	15.52	15.44	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.54	15.52	15.47	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.44	15.58	15.48	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.52	15.50	15.52	15.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.94	15.50	15.53	15.7	0.0
Channel								
Frequency (MHz)								
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)								
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	16.36	16.30	16.03	16.7	0.0
100	16QAM	1	1	16.29	16.27	15.93	16.7	0.0
100	16QAM	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								
Frequency (MHz)								
90	QPSK	1	1	16.34	16.31	15.96	16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.30	16.25	16.00	16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.30	16.25	16.00	16.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.29	16.24	15.94	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.34	16.21	15.96	16.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.36	16.27	15.97	16.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.38	16.21	15.96	16.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.29	16.24	15.91	16.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.37	16.25	15.90	16.7	0.0
Channel								
Frequency (MHz)								
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)								
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	16.75	16.76	17.26		
100	QPSK	135	0	16.58	16.65	17.14		
100	QPSK	135	69	16.70	16.76	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	16QAM	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								
Frequency (MHz)								
90	QPSK	1	1	16.59	16.70	17.16	17.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.58	16.73	17.12	17.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.58	16.73	17.12	17.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.62	16.65	17.14	17.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.62	16.68	17.23	17.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.62	16.72	17.16	17.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.54	16.73	17.17	17.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.61	16.66	17.12	17.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.65	16.66	17.19	17.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.68	16.71	17.18	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.	MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.09	23.07	23.13	0.0
20	QPSK	1	53	23.26	23.35	23.22	0.0
20	QPSK	1	104	23.06	23.07	23.08	0.0
20	QPSK	50	0	22.18	22.22	22.20	0.0
20	QPSK	50	28	23.21	23.25	23.22	0.0
20	QPSK	50	56	22.18	22.12	22.10	0.0
20	QPSK	100	0	22.15	22.16	22.15	0.0
20	64QAM	1	1	21.78	21.84	21.70	0.0
20	64QAM	1	1	20.41	20.46	20.35	0.0
20	256QAM	1	1	19.07	19.21	19.12	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.04	22.98	23.08	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.55	23.00	23.08	0.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.96	22.98	23.08	0.0

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							
Frequency (MHz)							
20	QPSK	1	1	23.26	23.29	23.19	0.0
20	QPSK	1	53	23.33	23.44	23.30	0.0
20	QPSK	1	104	23.17	23.29	23.15	0.0
20	QPSK	50	0	23.26	23.33	23.20	0.0
20	QPSK	50	28	23.31	23.42	23.28	0.0
20	QPSK	50	56	23.23	23.29	23.18	0.0
20	QPSK	100	0	22.74	22.75	22.73	0.0
20	64QAM	1	1	22.28	22.41	22.26	0.0
20	64QAM	1	1	20.86	20.94	20.84	0.0
20	256QAM	1	1	19.84	19.76	19.86	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.22	23.32	23.23	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.25	23.35	23.24	0.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.28	23.34	23.14	0.0

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							
Frequency (MHz)							
50	QPSK	1	1	13.28	13.33	13.19	0.0
50	QPSK	1	135	13.35	13.38	13.23	0.0
50	QPSK	1	268	13.20	13.28	13.16	0.0
50	QPSK	135	0	13.22	13.25	13.12	0.0
50	QPSK	135	68	13.33	13.36	13.26	0.0
50	QPSK	135	135	13.19	13.22	13.18	0.0
50	QPSK	270	0	13.31	13.33	13.23	0.0
50	64QAM	1	1	13.30	13.26	13.20	0.0
50	64QAM	1	1	13.30	13.27	13.15	0.0
50	256QAM	1	1	13.27	13.24	13.19	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.23	13.30	13.22	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.22	13.28	13.17	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	13.28	13.23	13.19	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.21	13.23	13.14	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	13.28	13.31	13.20	0.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	13.25	13.35	13.21	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									
Frequency (MHz)									
50	QPSK	1	1	19.21	19.25	19.06			
50	QPSK	1	135	19.36	19.40	19.15	19.7	0.0	
50	QPSK	1	268	19.26	19.28	19.08			
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	19.28	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	19.28	19.01	19.7	0.0	
50	256QAM	1	1	19.89	19.00	18.87	19.2	0.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.25	19.24	19.06	19.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.29	19.35	19.08	19.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.22	19.32	19.03	19.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.26	19.30	19.02	19.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.31	19.35	19.02	19.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.30	19.32	19.08	19.7	0.0	
Channel									
Frequency (MHz)									
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									
Frequency (MHz)									
50	QPSK	1	1	15.57	15.58	15.52			
50	QPSK	1	135	15.59	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									
Frequency (MHz)									
40	QPSK	1	1	15.55	15.56	15.58	16.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.54	15.63	15.50	16.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.53	15.65	15.48	16.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.57	15.57	15.51	16.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.61	15.64	15.52	16.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.55	15.55	15.50	16.7	0.0	
Channel									
Frequency (MHz)									
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									
Frequency (MHz)									
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	214	17.40	17.39	17.34			
40	QPSK	108	0	17.34	17.41	17.33	18.2	0.0	
40	QPSK	108	54	17.45	17.51	17.41	18.2	0.0	
40	QPSK	108	108	17.38	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									
Frequency (MHz)									
30	QPSK	1	1	17.38	17.46	17.37	18.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.45	17.45	17.20	18.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.34	17.41	17.38	18.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.42	17.41	17.32	18.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.40	17.41	17.38	18.2	0.0	
Channel									
Frequency (MHz)									
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				349000	349000	350000			
Frequency (MHz)				1725	1745	1765			
40	QPSK	1	1	23.61	23.48	23.60			
40	QPSK	1	108	23.64	23.76	23.71	24.7	0.0	
40	QPSK	1	214	23.61	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			
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	19.32	19.43	19.31	20.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	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				346000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.65	23.33	23.49	24.7	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.83	23.37	23.55	24.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.46	23.35	23.53	24.7	0.0	
Channel				342000	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				349000	349000	350000			
Frequency (MHz)				1725	1745	1765			
40	QPSK	1	1	16.95	17.13	17.04			
40	QPSK	1	108	17.10	17.20	17.13	18.2	0.0	
40	QPSK	1	214	17.02	17.13	17.08			
40	QPSK	108	0	16.97	17.08	16.99	18.2	0.0	
40	QPSK	108	54	17.08	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	18.2	0.0	
40	64QAM	1	1	16.98	17.10	17.01	18.2	0.0	
40	256QAM	1	1	17.00	17.05	17.07	18.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.01	17.08	17.07	18.2	0.0	
Channel				344000	346000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	16.94	17.13	17.00	18.2	0.0	
Channel				346000	349000	354000	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				343000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.98	17.06	17.08	18.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.02	17.13	17.09	18.2	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.04	17.10	16.97	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									
				518000	519000	520000			
				2990	2995	2990			
40	QPSK	1	1	13.93	13.98	13.95			
40	QPSK	1	53	13.83	13.92	13.83	14.2	0.0	
40	QPSK	1	104	13.85	13.83	13.87			
40	QPSK	50	0	13.84	13.84	13.90			
40	QPSK	50	28	13.90	13.95	13.93	14.2	0.0	
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	16QAM	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)	
				2995	2995	2995			
30	QPSK	1	1	13.80	13.84	13.90	14.2	0.0	
Channel									
				516000	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2982.5	2995	2997.5			
25	QPSK	1	1	13.93	13.98	13.81	14.2	0.0	
Channel									
				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
				2980	2995	2910			
20	QPSK	1	1	13.77	13.85	13.82	14.2	0.0	
Channel									
				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2977.5	2995	2912.5			
15	QPSK	1	1	13.81	13.86	13.85	14.2	0.0	
Channel									
				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2975	2995	2915			
10	QPSK	1	1	13.87	13.93	13.88	14.2	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									
				518000	519000	520000			
				2990	2995	2990			
40	QPSK	1	1	20.53	20.55	20.43			
40	QPSK	1	53	20.42	20.49	20.37	21.2	0.0	
40	QPSK	1	104	20.37	20.46	20.36			
40	QPSK	50	0	20.41	20.41	20.28			
40	QPSK	50	28	20.51	20.53	20.41	21.2	0.0	
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	16QAM	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)	
				2995	2995	2995			
30	QPSK	1	1	20.42	20.40	20.34	21.2	0.0	
Channel									
				516000	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2982.5	2995	2997.5			
25	QPSK	1	1	20.47	20.43	20.30	21.2	0.0	
Channel									
				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
				2980	2995	2910			
20	QPSK	1	1	20.47	20.40	20.33	21.2	0.0	
Channel									
				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2977.5	2995	2912.5			
15	QPSK	1	1	20.40	20.43	20.38	21.2	0.0	
Channel									
				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2975	2995	2915			
10	QPSK	1	1	20.38	20.49	20.37	21.2	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									
				518000	519000	520000			
				2990	2995	2990			
40	QPSK	1	1	15.98	16.08	16.02			
40	QPSK	1	53	15.86	15.97	15.87	17.2	0.0	
40	QPSK	1	104	15.86	15.97	15.93			
40	QPSK	50	0	15.85	15.94	15.91			
40	QPSK	50	28	15.90	16.06	16.01	17.2	0.0	
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	16QAM	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)	
				2995	2995	2995			
30	QPSK	1	1	15.87	15.99	15.85	17.2	0.0	
Channel									
				516000	519000	521500	Tune-up limit (dBm)	MPR (dB)	
				2982.5	2995	2997.5			
25	QPSK	1	1	15.86	15.97	15.86	17.2	0.0	
Channel									
				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
				2980	2995	2910			
20	QPSK	1	1	15.92	15.92	15.89	17.2	0.0	
Channel									
				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
				2977.5	2995	2912.5			
15	QPSK	1	1	15.85	15.92	15.93	17.2	0.0	
Channel									
				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
				2975	2995	2915			
10	QPSK	1	1	15.92	15.96	15.96	17.2	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)								
509202 518998 528000								
2546.03 2592.99 2640								
100	QPSK	1	1	13.43	13.51	13.51		
100	QPSK	1	137	13.52	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	13.46		
100	QPSK	136	69	13.52	13.60	13.53	13.7	0.0
100	QPSK	136	138	13.49	13.56	13.46		
100	QPSK	270	0	13.53	13.58	13.51	13.7	0.0
100	16QAM	1	1	13.46	13.46	13.40	13.7	0.0
100	16QAM	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								
Frequency (MHz)								
508200 518998 528998								
2541 2592.99 2641.98								
90	QPSK	1	1	13.52	13.45	13.49	13.7	0.0
Channel								
Frequency (MHz)								
507204 518998 529998								
2536.02 2592.99 2649.99								
80	QPSK	1	1	13.42	13.46	13.50	13.7	0.0
Channel								
Frequency (MHz)								
506200 518998 531998								
2536.02 2592.99 2659.98								
60	QPSK	1	1	13.49	13.51	13.43	13.7	0.0
Channel								
Frequency (MHz)								
505202 518998 534000								
2536.02 2592.99 2670								
40	QPSK	1	1	13.44	13.55	13.45	13.7	0.0
Channel								
Frequency (MHz)								
502200 518998 534998								
2511 2592.99 2674.98								
30	QPSK	1	1	13.46	13.51	13.47	13.7	0.0
Channel								
Frequency (MHz)								
501200 518998 535998								
2506.02 2592.99 2679.99								
20	QPSK	1	1	13.43	13.45	13.42	13.7	0.0
Channel								
Frequency (MHz)								
500700 518998 536498								
2501.01 2592.99 2685								
15	QPSK	1	1	13.49	13.54	13.41	13.7	0.0
Channel								
Frequency (MHz)								
500202 518998 537000								
2501.01 2592.99 2685								
10	QPSK	1	1	13.51	13.50	13.43	13.7	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)								
509202 518998 528000								
2546.03 2592.99 2640								
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	19.62	19.60	19.11	19.95	0.0
100	QPSK	136	138	19.63	19.56	19.06		
100	QPSK	270	0	19.63	19.58	19.08	19.95	0.0
100	16QAM	1	1	19.63	19.52	19.02	19.95	0.0
100	16QAM	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								
Frequency (MHz)								
508200 518998 528998								
2541 2592.99 2641.98								
90	QPSK	1	1	19.53	19.58	19.02	19.95	0.0
Channel								
Frequency (MHz)								
507204 518998 529998								
2536.02 2592.99 2649.99								
80	QPSK	1	1	19.54	19.49	18.96	19.95	0.0
Channel								
Frequency (MHz)								
506200 518998 531998								
2536.02 2592.99 2659.98								
60	QPSK	1	1	19.60	19.54	19.06	19.95	0.0
Channel								
Frequency (MHz)								
505202 518998 534000								
2536.02 2592.99 2670								
40	QPSK	1	1	19.58	19.47	19.05	19.95	0.0
Channel								
Frequency (MHz)								
502200 518998 534998								
2511 2592.99 2674.98								
30	QPSK	1	1	19.52	19.47	18.97	19.95	0.0
Channel								
Frequency (MHz)								
501200 518998 535998								
2506.02 2592.99 2679.99								
20	QPSK	1	1	19.52	19.57	18.97	19.95	0.0
Channel								
Frequency (MHz)								
500700 518998 536498								
2501.01 2592.99 2685								
15	QPSK	1	1	19.62	19.57	19.01	19.95	0.0
Channel								
Frequency (MHz)								
500202 518998 537000								
2501.01 2592.99 2685								
10	QPSK	1	1	19.59	19.50	18.99	19.50	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)								
509202 518998 528000								
2546.03 2592.99 2640								
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	138	15.81	15.74	16.17		
100	QPSK	270	0	15.67	15.75	16.25	16.7	0.0
100	16QAM	1	1	15.57	15.71	16.16	16.7	0.0
100	16QAM	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								
Frequency (MHz)								
508200 518998 528998								
2541 2592.99 2641.98								
90	QPSK	1	1	15.91	15.69	16.22	16.7	0.0
Channel								
Frequency (MHz)								
507204 518998 529998								
2536.02 2592.99 2649.99								
80	QPSK	1	1	15.68	15.64	16.26	16.7	0.0
Channel								
Frequency (MHz)								
506200 518998 531998								
2536.02 2592.99 2659.98								
60	QPSK	1	1	15.60	15.71	16.23	16.7	0.0
Channel								
Frequency (MHz)								
505202 518998 534000								
2536.02 2592.99 2670								
40	QPSK	1	1	15.63	15.64	16.26	16.7	0.0
Channel								
Frequency (MHz)								
502200 518998 534998								
2511 2592.99 2674.98								
30	QPSK	1	1	15.57	15.65	16.16	16.7	0.0
Channel								
Frequency (MHz)								
501200 518998 535998								
2506.02 2592.99 2679.99								
20	QPSK	1	1	15.61	15.64	16.21	16.7	0.0
Channel								
Frequency (MHz)								
500700 518998 536498								
2501.01 2592.99 2685								
15	QPSK	1	1	15.63	15.69	16.17	16.7	0.0
Channel								
Frequency (MHz)								
500202 518998 537000								
2501.01 2592.99 2685								
10	QPSK	1	1	15.62	15.73	16.17	16.7	0.0



WiFi&BT Power

2.4GHz WLAN		Full		Head Standalone		Head Simultaneous WWAN+2.4G		Body&Extremity Standalone		Hotspot on Body&Extremity Simultaneous WWAN+2.4G		Duty Cycle %
Mode	Channel	Frequency (MHz)	RU Config	Act 10		Act 10		Act 10		Act 10		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b Mbps	1	2412	Full	14.38	16.00	14.38	16.00	11.88	13.50	14.38	16.00	99.83
	11	2462	Full	14.70	16.00	14.70	16.00	12.20	13.50	14.70	16.00	
802.11g Mbps	1	2412	Full	14.60	16.00	15.00	16.00	13.50	15.00	14.00	16.00	97.20
	11	2462	Full	17.01	19.00	18.00	19.00	13.50	15.00	14.00	16.00	
802.11n-HT20 MCS0	1	2412	Full	15.07	17.00	17.00	19.00	13.50	15.00	14.00	16.00	96.23
	11	2462	Full	13.11	15.00	15.00	16.00	13.50	15.00	14.00	16.00	
802.11n-HT40 MCS0	1	2412	Full	15.00	16.00	15.00	16.00	13.50	15.00	14.00	16.00	91.38
	11	2462	Full	15.00	16.00	15.00	16.00	13.50	15.00	14.00	16.00	
802.11ac-VHT20 MCS0	1	2412	Full	17.09	19.00	18.00	19.00	13.50	15.00	14.00	16.00	96.23
	11	2462	Full	15.00	16.00	15.00	16.00	13.50	15.00	14.00	16.00	
802.11ac-VHT40 MCS0	1	2412	Full	15.00	16.00	15.00	16.00	13.50	15.00	14.00	16.00	91.38
	11	2462	Full	15.00	16.00	15.00	16.00	13.50	15.00	14.00	16.00	
802.11ax-HE20 MCS0	1	2412	Full	17.00	19.00	18.00	19.00	13.50	15.00	14.00	16.00	96.23
	11	2462	Full	17.00	19.00	18.00	19.00	13.50	15.00	14.00	16.00	
802.11ax-HE40 MCS0	1	2412	Full	13.12	15.00	15.00	16.00	13.50	15.00	14.00	16.00	91.38
	11	2462	Full	13.12	15.00	15.00	16.00	13.50	15.00	14.00	16.00	

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		Act 10		Act 10		Act 10		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a Mbps	36	5180	Full	17.19	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.53
	40	5200	Full	17.08	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11n-HT20 MCS0	36	5180	Full	17.10	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	40	5200	Full	17.00	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11n-HT40 MCS0	36	5180	Full	14.17	16.00	13.18	15.00	10.50	13.18	15.00	12.67	93.10
	40	5200	Full	17.06	19.00	13.15	15.00	10.50	13.15	15.00	12.64	
802.11ac-VHT20 MCS0	36	5180	Full	16.98	18.90	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	40	5200	Full	17.33	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ac-VHT40 MCS0	36	5180	Full	14.15	16.00	15.00	16.00	10.50	12.00	14.50	16.00	93.10
	40	5200	Full	17.29	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ac-VHT80 MCS0	36	5180	Full	11.08	13.00	10.50	12.00	8.88	10.50	13.00	14.50	87.88
	40	5200	Full	17.20	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE20 MCS0	36	5180	Full	18.10	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	40	5200	Full	17.12	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE40 MCS0	36	5180	Full	14.20	16.00	15.00	16.00	10.50	12.00	14.50	16.00	93.10
	40	5200	Full	17.21	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE80 MCS0	36	5180	Full	11.11	13.00	13.00	15.00	10.50	12.00	14.50	16.00	87.88
	40	5200	Full	17.11	19.00	15.00	16.00	10.50	12.00	14.50	16.00	

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		Act 10		Act 10		Act 10		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a Mbps	52	5250	Full	17.18	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.53
	56	5280	Full	17.09	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11n-HT20 MCS0	52	5250	Full	17.20	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	56	5280	Full	17.11	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11n-HT40 MCS0	52	5250	Full	17.58	19.00	13.10	15.00	10.50	13.10	15.00	12.61	93.10
	56	5280	Full	18.12	19.00	13.08	15.00	10.50	13.08	15.00	12.60	
802.11ac-VHT20 MCS0	52	5250	Full	17.08	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	56	5280	Full	17.08	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ac-VHT40 MCS0	52	5250	Full	17.00	19.00	15.00	16.00	10.50	12.00	14.50	16.00	93.10
	56	5280	Full	17.01	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ac-VHT80 MCS0	52	5250	Full	12.43	14.00	14.00	16.00	8.89	10.50	14.00	16.00	87.88
	56	5280	Full	17.31	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE20 MCS0	52	5250	Full	17.21	19.00	15.00	16.00	10.50	12.00	14.50	16.00	96.19
	56	5280	Full	17.21	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE40 MCS0	52	5250	Full	17.00	19.00	15.00	16.00	10.50	12.00	14.50	16.00	93.10
	56	5280	Full	17.00	19.00	15.00	16.00	10.50	12.00	14.50	16.00	
802.11ax-HE80 MCS0	52	5250	Full	12.45	14.00	14.00	16.00	10.50	12.00	14.50	16.00	87.88
	56	5280	Full	17.29	19.00	15.00	16.00	10.50	12.00	14.50	16.00	

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		Act 10		Act 10		Act 10		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a Mbps	100	5500	Full	18.24	19.00	14.50	16.00	10.00	14.00	13.50	16.00	96.53
	116	5580	Full	17.40	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11n-HT20 MCS0	100	5500	Full	17.18	19.00	14.50	16.00	10.00	14.00	13.50	16.00	96.19
	116	5580	Full	17.50	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11n-HT40 MCS0	100	5500	Full	18.72	19.00	14.50	16.00	10.00	14.00	13.50	16.00	93.10
	116	5580	Full	17.98	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11ac-VHT20 MCS0	100	5500	Full	17.20	19.00	14.50	16.00	10.00	14.00	13.50	16.00	96.19
	116	5580	Full	17.42	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11ac-VHT40 MCS0	100	5500	Full	17.00	19.00	14.50	16.00	10.00	14.00	13.50	16.00	93.10
	116	5580	Full	17.89	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11ac-VHT80 MCS0	100	5500	Full	12.60	14.00	12.78	14.00	8.13	10.00	12.28	14.00	87.88
	116	5580	Full	13.75	15.00	12.78	14.00	8.13	10.00	12.28	14.00	
802.11ax-HE20 MCS0	100	5500	Full	16.31	18.00	14.50	16.00	10.00	14.00	13.50	16.00	96.19
	116	5580	Full	17.38	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11ax-HE40 MCS0	100	5500	Full	17.30	19.00	14.50	16.00	10.00	14.00	13.50	16.00	93.10
	116	5580	Full	17.30	19.00	14.50	16.00	10.00	14.00	13.50	16.00	
802.11ax-HE80 MCS0	100	5500	Full	12.65	14.00	14.50	16.00	10.00	14.00	13.50	16.00	87.88
	116	5580	Full	12.65	14.00	14.50	16.00	10.00	14.00	13.50	16.00	

5.8GHz 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		Act 10		Act 10		Act 10		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a Mbps	149	5745	Full	17.37	19.00	13.50	15.00	9.00	14.50	14.50	16.00	96.53
	157	5795	Full	17.40	19.00	13.50	15.00	9.00	14.50	14.50	16.00	
802.11n-HT20 MCS0	149	5745	Full	17.41	19.00	13.50	15.00	9.00	14.50	14.50	16.00	96.19
	157	5795	Full	17.41	19.00	13.50	15.00	9.00	14.50	14.50	16.00	
802.11n-HT40 MCS0	149	5745	Full	17.50	19.00	13.50	15.00	9.00	14.50	14.50	16.00	93.10
	157	5795	Full	17.71	19.00	13.50	15.00	9.00	14.50	14.50		



<Bluetooth>			Act 10					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	14.00	16.00	12.30	16.00	12.30	16.00
	CH 39	2441	16.10	16.00	12.40	16.00	12.50	16.00
	CH 78	2480	15.60	16.00	13.30	16.00	12.40	16.00

			Act 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

			Act 10	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	3Mbps
LE	CH 01	2454	6.10	
	CH 19	2440	6.50	
	CH 39	2480	6.20	
Tune-up Limit			9	