

Default Power

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.60	32.69	32.58	33.50	23.60	23.69	23.58	24.50
GPRS 1 Tx slot	32.96	32.55	32.51	33.50	23.56	23.55	23.51	24.50
GPRS 2 Tx slots	31.47	31.50	31.45	32.50	25.47	25.50	25.45	26.50
GPRS 3 Tx slots	29.34	29.46	29.33	30.50	25.08	25.20	25.07	26.24
GPRS 4 Tx slots	28.21	28.32	28.22	29.50	25.21	25.32	25.22	26.50
EDGE 1 Tx slot	26.18	26.32	26.18	27.50	17.18	17.32	17.18	18.50
EDGE 2 Tx slots	25.05	25.19	25.12	26.00	19.05	19.19	19.12	20.00
EDGE 3 Tx slots	22.86	22.92	22.88	24.00	18.60	18.66	18.62	19.74
EDGE 4 Tx slots	21.46	21.53	21.51	22.50	18.46	18.53	18.51	19.50

GSM1900 Ant0	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	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	28.05	28.14	28.87	30.50	20.05	20.14	19.87	21.50
GPRS 1 Tx slot	28.10	29.17	29.02	30.50	20.10	20.17	20.02	21.50
GPRS 2 Tx slots	28.31	28.37	28.05	29.00	22.31	22.37	22.05	23.00
GPRS 3 Tx slots	26.28	26.34	26.02	27.50	22.02	22.08	21.76	23.24
GPRS 4 Tx slots	25.08	25.16	25.00	25.50	22.08	22.16	22.00	22.50
EDGE 1 Tx slot	24.81	24.84	24.59	26.00	15.81	15.84	15.59	17.00
EDGE 2 Tx slots	23.69	23.73	23.58	25.00	17.69	17.73	17.58	19.00
EDGE 3 Tx slots	21.67	21.78	21.55	23.00	17.41	17.52	17.29	18.74
EDGE 4 Tx slots	20.31	20.33	20.27	21.50	17.31	17.33	17.27	18.50

Band	WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
TX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.8		1712.4	1732.6	1752.6		2264.4	2284.4	2304.6	
3GPP Rel 99	AMR 12.2Kbps	22.11	22.45	22.41	24.00	22.45	22.49	22.34	24.00	22.81	22.71	22.53	24.00
3GPP Rel 99	RMC 12.2Kbps	22.29	22.46	22.42	24.00	22.48	22.51	22.35	24.00	22.66	22.72	22.60	24.00
3GPP Rel 6	HSDPA Subtest-1	21.28	21.50	21.34	23.00	21.49	21.55	21.24	23.00	21.63	21.71	21.49	23.00
3GPP Rel 6	HSDPA Subtest-2	21.31	21.43	21.45	23.00	21.41	21.48	21.37	23.00	21.58	21.73	21.59	23.00
3GPP Rel 6	HSDPA Subtest-3	20.75	20.94	20.75	22.50	20.92	20.99	20.82	22.50	21.12	21.13	21.18	22.50
3GPP Rel 6	HSDPA Subtest-4	20.86	20.91	20.97	22.50	21.03	20.94	20.78	22.50	21.27	21.29	21.08	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.18	21.47	21.28	23.00	21.36	21.46	21.38	23.00	21.67	21.83	21.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.27	21.30	21.39	23.00	21.49	21.61	21.43	23.00	21.78	21.83	21.58	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.58	20.91	20.59	22.50	20.91	21.10	20.90	22.50	21.21	21.15	21.08	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.69	20.80	20.92	22.50	21.07	20.95	20.86	22.50	21.22	21.23	21.00	22.50
3GPP Rel 6	HSUPA Subtest-1	21.29	21.40	21.15	23.00	21.46	21.58	21.24	23.00	21.67	21.68	21.72	23.00
3GPP Rel 6	HSUPA Subtest-2	19.36	19.41	19.40	21.00	19.54	19.53	19.38	21.00	19.62	19.69	19.58	21.00
3GPP Rel 6	HSUPA Subtest-3	20.28	20.56	20.50	22.00	20.43	20.40	20.34	22.00	20.64	20.82	20.71	22.00
3GPP Rel 6	HSUPA Subtest-4	19.23	19.49	19.49	21.00	19.44	19.44	19.28	21.00	19.62	19.69	19.49	21.00
3GPP Rel 6	HSUPA Subtest-5	21.06	21.38	21.22	23.00	21.56	21.58	21.29	23.00	21.68	21.74	21.58	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.82	19.04	18.96	20.50	18.93	19.05	18.75	20.50	19.09	19.10	19.01	20.50

Band 2 Ant0												
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)				1660	1680	1900						
20	QPSK	1	0	22.57	22.72	22.74	24	0				
20	QPSK	1	49	22.51	22.73	22.63						
20	QPSK	1	99	22.38	22.71	22.63						
20	QPSK	50	0	21.73	21.93	21.86						
20	QPSK	50	24	21.62	21.89	21.88	23	1				
20	QPSK	50	50	21.75	21.82	21.74						
20	QPSK	100	0	21.78	21.90	21.86						
20	16QAM	1	0	22.00	22.05	22.03						
20	16QAM	1	49	21.86	21.90	21.81	23	1				
20	16QAM	1	99	21.77	21.76	21.70						
20	16QAM	50	0	20.78	21.00	20.86						
20	16QAM	50	24	20.73	21.00	20.83						
20	16QAM	50	50	20.65	20.94	20.70	22	2				
20	16QAM	100	0	20.80	20.98	20.90						
20	16QAM	1	0	21.01	21.03	21.01						
20	16QAM	1	49	20.86	20.89	20.86						
20	16QAM	1	99	20.72	20.84	20.68	22	2				
20	16QAM	36	0	19.84	19.96	19.98						
20	16QAM	36	20	21.43	21.74	21.86						
20	16QAM	50	24	19.75	20.02	19.76						
20	16QAM	50	50	19.62	20.00	19.64	21	3				
20	16QAM	100	0	19.75	20.04	19.90						
Channel												
Frequency (MHz)				1667.5	1690.0	1912.5				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.50	22.73	22.74	24	0				
15	QPSK	1	37	22.52	22.52	22.58						
15	QPSK	1	74	22.24	22.56	22.49						
15	QPSK	36	0	21.70	21.73	21.69						
15	QPSK	36	20	21.43	21.74	21.86	23	1				
15	QPSK	36	39	21.73	21.71	21.71						
15	QPSK	75	0	21.68	21.84	21.77						
15	16QAM	1	0	21.88	21.99	21.86						
15	16QAM	1	37	21.87	21.77	21.61	23	1				
15	16QAM	1	74	21.69	21.57	21.91						
15	16QAM	36	0	20.81	20.74	20.91						
15	16QAM	36	20	20.53	20.81	20.84						
15	16QAM	36	39	20.66	20.93	20.68	22	2				
15	16QAM	75	0	20.61	20.86	20.72						
15	16QAM	1	0	20.84	20.83	20.80						
15	16QAM	1	37	20.82	20.74	20.73						
15	16QAM	1	74	20.68	20.65	20.49	22	2				
15	16QAM	36	0	19.85	19.92	19.96						
15	16QAM	36	20	19.73	19.96	19.70						
15	16QAM	36	39	19.75	19.85	19.73						
15	16QAM	75	0	19.65	19.94	19.74	21	3				
Channel												
Frequency (MHz)				1665.0	1690.0	1915.0				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.53	22.70	22.71	24	0				
10	QPSK	1	25	22.35	22.71	22.48						
10	QPSK	1	49	22.36	22.54	22.60						
10	QPSK	25	0	21.73	21.82	21.72						
10	QPSK	25	12	21.62	21.81	21.89	23	1				
10	QPSK	25	25	21.62	21.75	21.88						
10	QPSK	50	0	21.70	21.92	21.80						
10	16QAM	1	0	21.91	21.99	21.90						
10	16QAM	1	25	21.73	21.68	21.78	23	1				
10	16QAM	1	49	21.56	21.78	21.71						
10	16QAM	25	0	20.68	20.85	20.86						
10	16QAM	25	12	20.57	20.78	20.64						
10	16QAM	25	25	20.47	20.80	20.58	22	2				
10	16QAM	50	0	20.67	20.94	20.86						
10	16QAM	1	0	20.89	21.04	20.91						
10	16QAM	1	25	20.69	20.89	20.76						
10	16QAM	1	49	20.73	20.74	20.59	22	2				
10	16QAM	25	0	19.84	19.78	19.94						
10	16QAM	25	12	19.61	19.82	19.75						
10	16QAM	25	25	19.61	19.83	19.62						
10	16QAM	50	0	19.72	19.92	19.90	21	3				
Channel												
Frequency (MHz)				1662.5	1690.0	1917.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.47	22.72	22.71	24	0				
5	QPSK	1	12	22.43	22.65	22.42						
5	QPSK	1	24	22.33	22.50	22.63						
5	QPSK	12	0	21.71	21.95	21.85						
5	QPSK	12	7	21.53	21.76	21.71	23	1				
5	QPSK	12	13	21.53	21.63	21.53						
5	QPSK	25	0	21.65	21.92	21.88						
5	16QAM	1	0	21.97	22.05	21.92						
5	16QAM	1	12	21.73	21.92	21.79	23	1				
5	16QAM	1	24	21.56	21.56	21.65						
5	16QAM	12	0	20.62	20.84	20.95						
5	16QAM	12	7	20.63	20.86	20.78						
5	16QAM	12	13	20.46	20.80	20.56	22	2				
5	16QAM	25	0	20.63	20.79	20.73						
5	16QAM	1	0	20.93	20.99	20.79						
5	16QAM	1	12	20.84	20.90	20.83						
5	16QAM	1	24	20.57	20.85	20.60	22	2				
5	16QAM	12	0	19.63	19.86	19.86						
5	16QAM	12	7	19.73	19.84	19.63						
5	16QAM	12	13	19.49	19.81	19.47						
5	16QAM	25	0	19.71	19.89	19.87	21	3				
Channel												
Frequency (MHz)				1651.5	1680	1908.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.45	22.68	22.66	24	0				
3	QPSK	1	8	22.46	22.61	22.58						
3	QPSK	1	14	22.29	22.53	22.43						
3	QPSK	8	0	21.71	21.78	21.71						
3	QPSK	8	4	21.43	21.85	21.86	23	1				
3	QPSK	8	7	21.64	21.67	21.76						
3	QPSK	15	0	21.61	21.85	21.85						
3	16QAM	1	0	21.88	21.89	22.00						
3	16QAM	1	8	21.86	21.74	21.68	23	1				
3	16QAM	1	14	21.62	21.76	21.63						
3	16QAM	8	0	20.71	20.91	20.92						
3	16QAM	8	4	20.55	20.95	20.83						
3	16QAM	8	7	20.51	20.76	20.50	22	2				
3	16QAM	15	0	20.71	20.83	20.79						
3	16QAM	1	0	20.95	20.83	20.87						
3	16QAM	1	8	20.76	20.88	20.76						
3	16QAM	1	14	20.73	20.76	20.57	22	2				
3	16QAM	8	0	19.84	19.88	19.91						
3	16QAM	8	4	19.73	19.84	19.60						
3	16QAM	8	7	19.68	19.80	19.56						
3	16QAM	15	0	19.55	20.04	19.71	21	3				
Channel												
Frequency (MHz)				1650.7	1680	1909.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.38	22.67	22.72	24	0				
1.4	QPSK	1	3	22.32	22.60	22.51						
1.4	QPSK	1	5	22.22	22.66	22.53						
1.4	QPSK	3	0	22.47	22.64	22.73						
1.4	QPSK	3	1	22.38	22.67	22.59	23	1				
1.4	QPSK	3	3	22.46	22.73	22.42						
1.4	QPSK	6	0	21.52	21.86	21.73						
1.4	16QAM	1	0	21.54	21.87	21.70						
1.4	16QAM	1	3	21.58	21.75	21.60	23	1				
1.4	16QAM	1	5	21.74	21.68	21.88						
1.4	16QAM	3	0	21.47	21.84	21.85						
1.4	16QAM	3	1	21.65	21.71	21.71						
1.4	16QAM	3	3	21.72	21.83	21.78	22	2				
1.4	16QAM	6	0	20.50	20.73	20.76						
1.4	16QAM	1	0	20.46	20.74	20.80						
1.4	16QAM	1	3	20.35	20.70	20.31						
1.4	16QAM	1	5	20.69	20.72	20.69	22	2				
1.4	16QAM	3	0	20.90	20.82	20.70						
1.4	16QAM	3	1	20.63	20.75	20.58						
1.4	16QAM	3	3	20.57	20.67	20.50						
1.4	16QAM	6	0	19.63	19.72	19.76	21	3				

Band 12 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.70	22.72	22.71			
10	QPSK	1	25	22.55	22.66	22.49			
10	QPSK	1	49	22.65	22.67	22.62	23	1	
10	QPSK	25	0	21.59	21.82	21.68			
10	QPSK	25	12	21.53	21.54	21.58			
10	QPSK	25	25	21.71	21.73	21.55			
10	QPSK	50	0	21.49	21.69	21.54	23	1	
10	16QAM	1	0	21.82	22.02	22.01			
10	16QAM	1	25	21.64	21.76	21.76			
10	16QAM	1	49	21.74	21.91	21.88			
10	16QAM	25	0	20.64	20.88	20.71	22	2	
10	16QAM	25	12	20.60	20.60	20.69			
10	16QAM	25	25	20.59	20.71	20.45			
10	16QAM	50	0	20.58	20.66	20.42			
10	64QAM	1	0	20.70	20.98	20.95	22	2	
10	64QAM	1	25	20.53	20.68	20.84			
10	64QAM	1	49	20.66	20.85	20.80			
10	64QAM	25	0	19.66	19.88	19.69			
10	64QAM	25	12	19.56	19.64	19.64	21	3	
10	64QAM	25	25	19.51	19.77	19.56			
10	64QAM	50	0	19.47	19.60	19.33			
Channel				23035	23095	23155	24	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.51	22.68	22.51			
5	QPSK	1	12	22.53	22.46	22.29			
5	QPSK	1	24	22.49	22.50	22.46	23	1	
5	QPSK	12	0	21.35	21.71	21.51			
5	QPSK	12	7	21.45	21.37	21.36			
5	QPSK	12	13	21.65	21.72	21.51			
5	QPSK	25	0	21.41	21.60	21.37	23	1	
5	16QAM	1	0	21.73	21.87	21.98			
5	16QAM	1	12	21.54	21.76	21.57			
5	16QAM	1	24	21.71	21.76	21.85			
5	16QAM	12	0	20.61	20.85	20.51	22	2	
5	16QAM	12	7	20.56	20.40	20.62			
5	16QAM	12	13	20.53	20.55	20.39			
5	16QAM	25	0	20.37	20.52	20.19			
5	64QAM	1	0	20.45	20.85	20.79	22	2	
5	64QAM	1	12	20.48	20.80	20.75			
5	64QAM	1	24	20.63	20.73	20.79			
5	64QAM	12	0	19.43	19.83	19.54			
5	64QAM	12	7	19.51	19.46	19.46	21	3	
5	64QAM	12	13	19.39	19.58	19.38			
5	64QAM	25	0	19.34	19.39	19.26			
Channel				23025	23095	23165	24	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.57	22.64	22.60			
3	QPSK	1	8	22.48	22.45	22.34			
3	QPSK	1	14	22.52	22.49	22.49	23	1	
3	QPSK	8	0	21.39	21.79	21.65			
3	QPSK	8	4	21.50	21.31	21.54			
3	QPSK	8	7	21.67	21.54	21.53			
3	QPSK	15	0	21.29	21.53	21.30	23	1	
3	16QAM	1	0	21.66	21.79	21.95			
3	16QAM	1	8	21.47	21.76	21.58			
3	16QAM	1	14	21.69	21.85	21.78			
3	16QAM	8	0	20.53	20.61	20.51	22	2	
3	16QAM	8	4	20.37	20.58	20.60			
3	16QAM	8	7	20.49	20.46	20.42			
3	16QAM	15	0	20.51	20.57	20.31			
3	64QAM	1	0	20.53	20.86	20.76	22	2	
3	64QAM	1	8	20.48	20.51	20.72			
3	64QAM	1	14	20.62	20.70	20.60			
3	64QAM	8	0	19.41	19.83	19.48			
3	64QAM	8	4	19.49	19.54	19.40	21	3	
3	64QAM	8	7	19.42	19.74	19.53			
3	64QAM	15	0	19.36	19.58	19.23			
Channel				23017	23095	23173	23	1	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.41	22.66	22.48			
1.4	QPSK	1	3	22.33	22.39	22.25			
1.4	QPSK	1	5	22.46	22.44	22.28	24	0	
1.4	QPSK	3	0	22.37	22.65	22.48			
1.4	QPSK	3	1	22.46	22.31	22.15			
1.4	QPSK	3	3	22.31	22.40	22.51			
1.4	QPSK	6	0	21.46	21.63	21.42	23	1	
1.4	16QAM	1	0	21.77	21.78	21.83			
1.4	16QAM	1	3	21.59	21.63	21.64			
1.4	16QAM	1	5	21.56	21.79	21.79			
1.4	16QAM	3	0	21.75	21.76	21.65	23	1	
1.4	16QAM	3	1	21.50	21.41	21.63			
1.4	16QAM	3	3	21.42	21.78	21.69			
1.4	16QAM	6	0	20.54	20.72	20.68			
1.4	64QAM	1	0	20.60	20.76	20.70	22	2	
1.4	64QAM	1	3	20.40	20.59	20.62			
1.4	64QAM	1	5	20.56	20.75	20.67			
1.4	64QAM	3	0	20.55	20.67	20.59			
1.4	64QAM	3	1	20.26	20.37	20.46	22	2	
1.4	64QAM	3	3	20.43	20.74	20.67			
1.4	64QAM	6	0	19.38	19.59	19.15			
1.4	64QAM	6	0	19.38	19.59	19.15			

Band 13 Ant0									
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				23230	23230		24	0	
Frequency (MHz)					782				
10	QPSK	1	0		22.75				
10	QPSK	1	25	22.70		22.70			
10	QPSK	1	49	22.73		22.73	23 <th colspan="2" rowspan="4">1</th>	1	
10	QPSK	25	0	21.57		21.57			
10	QPSK	25	12	21.51		21.51			
10	QPSK	25	25	21.54		21.54			
10	QPSK	50	0	21.76		21.76	23 <th colspan="2" rowspan="4">1</th>	1	
10	16QAM	1	0	21.93		21.93			
10	16QAM	1	25	21.83		21.83			
10	16QAM	1	49	21.89		21.89			
10	16QAM	25	0	20.59		20.59	22 <th colspan="2" rowspan="4">2</th>	2	
10	16QAM	25	12	20.41		20.41			
10	16QAM	25	25	20.53		20.53			
10	16QAM	50	0	20.73		20.73			
10	64QAM	1	0	20.87		20.87	22 <th colspan="2" rowspan="4">2</th>	2	
10	64QAM	1	25	20.61		20.61			
10	64QAM	1	49	20.70		20.70			
10	64QAM	25	0	19.59		19.59			
10	64QAM	25	12	19.63		19.63	21 <th colspan="2" rowspan="3">3</th>	3	
10	64QAM	25	25	19.56		19.56			
10	64QAM	50	0	19.72		19.72			
Channel				23205	23230	23255	24	0	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.64	22.73	22.72			
5	QPSK	1	12	22.68	22.62	22.63			
5	QPSK	1	24	22.74	22.74	22.67	23 <th colspan="2" rowspan="4">1</th>	1	
5	QPSK	12	0	21.54	21.57	21.42			
5	QPSK	12	7	21.50	21.46	21.35			
5	QPSK	12	13	21.51	21.34	21.47			
5	QPSK	25	0	21.76	21.56	21.59	23 <th colspan="2" rowspan="3">1</th>	1	
5	16QAM	1	0	21.87	21.85	21.82			
5	16QAM	1	12	21.69	21.76	21.85			
5	16QAM	1	24	21.89	21.88	21.81	22 <th colspan="2" rowspan="4">2</th>	2	
5	16QAM	12	0	20.51	20.42	20.58			
5	16QAM	12	7	20.38	20.40	20.21			
5	16QAM	12	13	20.47	20.39	20.37			
5	16QAM	25	0	20.72	20.63	20.53	22 <th colspan="2" rowspan="4">2</th>	2	
5	64QAM	1	0	20.73	20.71	20.70			
5	64QAM	1	12	20.41	20.62	20.63			
5	64QAM	1	24	20.61	20.70	20.52			
5	64QAM	12	0	19.46	19.55	19.56	21 <th colspan="2" rowspan="4">3</th>	3	
5	64QAM	12	7	19.51	19.45	19.59			
5	64QAM	12	13	19.47	19.51	19.42			
5	64QAM	25	0	19.58	19.53	19.66			

Band 17 Ant0									
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				23780	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.60	22.69	22.64			
10	QPSK	1	25	22.48	22.64	22.53		24	0
10	QPSK	1	49	22.49	22.58	22.45			
10	QPSK	25	0	21.70	21.89	21.85			
10	QPSK	25	12	21.72	21.82	21.79		23	1
10	QPSK	25	25	21.61	21.79	21.60			
10	QPSK	50	0	21.68	21.89	21.82			
10	16QAM	1	0	21.86	21.97	21.80		23	1
10	16QAM	1	25	21.69	21.72	21.73			
10	16QAM	1	49	21.75	21.70	21.71			
10	16QAM	25	0	20.64	20.93	20.93			
10	16QAM	25	12	20.74	20.73	20.82			
10	16QAM	25	25	20.69	20.89	20.68		22	2
10	16QAM	50	0	20.78	20.90	20.86			
10	64QAM	1	0	20.90	20.96	20.89			
10	64QAM	1	25	20.80	20.75	20.64		22	2
10	64QAM	1	49	20.84	20.82	20.68			
10	64QAM	25	0	19.88	19.95	19.98			
10	64QAM	25	12	19.91	19.84	19.58			
10	64QAM	25	25	19.77	19.93	19.59		21	3
10	64QAM	50	0	19.89	19.87	19.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.48	22.61	22.64			
5	QPSK	1	12	22.31	22.49	22.50		24	0
5	QPSK	1	24	22.27	22.39	22.37			
5	QPSK	12	0	21.52	21.86	21.64			
5	QPSK	12	7	21.51	21.80	21.66		23	1
5	QPSK	12	13	21.40	21.76	21.60			
5	QPSK	25	0	21.70	21.83	21.65			
5	16QAM	1	0	21.77	21.86	21.75		23	1
5	16QAM	1	12	21.64	21.70	21.53			
5	16QAM	1	24	21.60	21.69	21.61			
5	16QAM	12	0	20.43	20.87	20.91			
5	16QAM	12	7	20.76	20.54	20.76		22	2
5	16QAM	12	13	20.71	20.80	20.54			
5	16QAM	25	0	20.77	20.81	20.79			
5	64QAM	1	0	20.74	20.90	20.81			
5	64QAM	1	12	20.60	20.70	20.85		22	2
5	64QAM	1	24	20.83	20.64	20.66			
5	64QAM	12	0	19.70	19.67	19.94			
5	64QAM	12	7	19.78	19.85	19.56		21	3
5	64QAM	12	13	19.63	19.85	19.58			
5	64QAM	25	0	19.75	19.80	19.62			

Band 25 Ant0									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	22.63	22.79	22.74			
20	QPSK	1	49	22.62	22.75	22.76		24	0
20	QPSK	1	99	22.60	22.77	22.69			
20	QPSK	50	0	21.69	21.91	21.78			
20	QPSK	50	24	21.67	21.73	21.70		23	1
20	QPSK	50	50	21.60	21.73	21.68			
20	QPSK	100	0	21.58	21.92	21.71			
20	16QAM	1	0	21.77	22.02	21.90		23	1
20	16QAM	1	49	21.68	21.91	21.88			
20	16QAM	1	99	21.74	21.76	21.72			
20	16QAM	50	0	20.60	20.90	20.74			
20	16QAM	50	24	20.60	20.83	20.66		22	2
20	16QAM	50	50	20.51	20.62	20.74			
20	16QAM	100	0	20.47	20.87	20.62			
20	64QAM	1	0	20.58	20.70	20.76			
20	64QAM	1	49	20.45	20.65	20.68		22	2
20	64QAM	1	99	20.37	20.61	20.53			
20	64QAM	50	0	19.54	19.89	19.85			
20	64QAM	50	24	19.69	19.86	19.68		21	3
20	64QAM	50	50	19.53	19.54	19.69			
20	64QAM	100	0	19.48	19.87	19.65			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	22.50	22.73	22.56			
15	QPSK	1	37	22.38	22.68	22.67		24	0
15	QPSK	1	74	22.41	22.65	22.52			
15	QPSK	36	0	21.63	21.77	21.76			
15	QPSK	36	20	21.44	21.55	21.60		23	1
15	QPSK	36	39	21.43	21.71	21.52			
15	QPSK	75	0	21.52	21.71	21.61			
15	16QAM	1	0	21.69	21.80	21.69		23	1
15	16QAM	1	37	21.58	21.82	21.81			
15	16QAM	1	74	21.60	21.65	21.57			
15	16QAM	36	0	20.60	20.76	20.68		22	2
15	16QAM	36	20	20.53	20.58	20.47			
15	16QAM	36	39	20.28	20.42	20.60			
15	16QAM	75	0	20.40	20.84	20.40			
15	64QAM	1	0	20.53	20.56	20.70			
15	64QAM	1	37	20.26	20.47	20.59		22	2
15	64QAM	1	74	20.37	20.45	20.36			
15	64QAM	36	0	19.51	19.73	19.65			
15	64QAM	36	20	19.59	19.73	19.63		21	3
15	64QAM	36	39	19.29	19.32	19.63			
15	64QAM	75	0	19.32	19.59	19.48			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	22.40	22.76	22.62			
10	QPSK	1	25	22.50	22.61	22.64		24	0
10	QPSK	1	49	22.36	22.70	22.68			
10	QPSK	25	0	21.49	21.80	21.67			
10	QPSK	25	12	21.58	21.49	21.53		23	1
10	QPSK	50	0	21.51	21.87	21.47			
10	16QAM	1	0	21.63	21.83	21.78		23	1
10	16QAM	1	25	21.44	21.83	21.68			
10	16QAM	1	49	21.57	21.67	21.48			
10	16QAM	25	0	20.46	20.62	20.58			
10	16QAM	25	12	20.51	20.70	20.42		22	2
10	16QAM	25	25	20.27	20.59	20.50			
10	16QAM	50	0	20.34	20.65	20.43			
10	64QAM	1	0	20.44	20.53	20.65			
10	64QAM	1	25	20.41	20.41	20.49		22	2
10	64QAM	1	49	20.22	20.43	20.30			
10	64QAM	25	0	19.40	19.78	19.77			
10	64QAM	25	12	19.58	19.63	19.57		21	3
10	64QAM	25	25	19.48	19.44	19.64			
10	64QAM	50	0	19.43	19.74	19.41			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	22.55	22.71	22.53			
5	QPSK	1	12	22.58	22.52	22.63		24	0
5	QPSK	1	24	22.35	22.59	22.46			
5	QPSK	12	0	21.48	21.75	21.51			
5	QPSK	12	7	21.66	21.72	21.62		23	1
5	QPSK	12	13	21.47	21.57	21.51			
5	QPSK	25	0	21.50	21.86	21.65			
5	16QAM	1	0	21.70	21.86	21.75			
5	16QAM	1	12	21.61	21.69	21.76		23	1
5	16QAM	1	24	21.58	21.67	21.66			
5	16QAM	12	0	20.55	20.78	20.68			
5	16QAM	12	7	20.36	20.64	20.55		22	2
5	16QAM	12	13	20.47	20.52	20.55			
5	16QAM	25	0	20.26	20.63	20.58			
5	64QAM	1	0	20.47	20.60	20.55			
5	64QAM	1	12	20.37	20.41	20.57		22	2
5	64QAM	1	24	20.37	20.49	20.29			
5	64QAM	12	0	19.41	19.84	19.65			
5	64QAM	12	7	19.56	19.65	19.65		21	3
5	64QAM	12	13	19.47	19.42	19.59			
5	64QAM	25	0	19.44	19.85	19.56			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	22.40	22.70	22.65			
3	QPSK	1	8	22.56	22.51	22.64		24	0
3	QPSK	1	14	22.40	22.61	22.66			
3	QPSK	8	0	21.54	21.70	21.69			
3	QPSK	8	4	21.45	21.58	21.46		23	1
3	QPSK	8	7	21.48	21.70	21.52			
3	QPSK	15	0	21.57	21.70	21.47			
3	16QAM	1	0	21.62	22.00	21.66			
3	16QAM	1	8	21.54	21.66	21.78		23	1
3	16QAM	1	14	21.67	21.65	21.51			
3	16QAM	8	0	20.49	20.67	20.49			
3	16QAM	8	4	20.50	20.58	20.53		22	2
3	16QAM	8	7	20.33	20.42	20.72			
3	16QAM	15	0	20.42	20.59	20.50			
3	64QAM	1	0	20.50	20.60	20.57			
3	64QAM	1	8	20.37	20.47	20.60		22	2
3	64QAM	1	14	20.36	20.36	20.32			
3	64QAM	8	0	19.42	19.69	19.70			
3	64QAM	8	4	19.55	19.63	19.54		21	3
3	64QAM	8	7	19.30	19.51	19.46			
3	64QAM	15	0	19.31	19.75	19.62			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	22.43	22.68	22.56			
1.4	QPSK	1	3	22.44	22.54	22.52		24	0
1.4	QPSK	1	5	22.35	22.75	22.53			
1.4	QPSK	3	0	22.21	22.66	22.40			
1.4	QPSK	3	1	22.42	22.38	22.46			
1.4	QPSK	3	3	22.24	22.60	22.55			
1.4	QPSK	6	0	21.36	21.74	21.67		23	1
1.4	16QAM	1	0	21.46	21.96	21.74			
1.4	16QAM	1	3	21.46	21.81	21.56			
1.4	16QAM	3	0	21.65	21.65	21.54		23	1
1.4	16QAM	3	1	21.37	21.61	21.78			
1.4	16QAM	3	3	21.47	21.47	21.50			
1.4	16QAM	6	0	20.44	20.70	20.46		22	2
1.4	64QAM	1	0	20.40	20.52	20.59			
1.4	64QAM	1	3	20.20	20.46	20.64			
1.4	64QAM	1	5	20.33	20.42	20.53		22	2
1.4	64QAM	3	0	20.29	20.45	20.44			
1.4	64QAM	3	1	20.26	20.29	20.56			
1.4	64QAM	3	3	20.16	20.34	20.38			
1.4	64QAM	6	0	19.35	19.65	19.61		21	3

Band 66 Ant0									
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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.46	22.49	22.41	24	0	
20	QPSK	1	49	22.36	22.45	22.33			
20	QPSK	1	99	22.28	22.42	22.29			
20	QPSK	50	0	21.68	21.72	21.68	23	1	
20	QPSK	50	24	21.49	21.58	21.44			
20	QPSK	50	50	21.38	21.51	21.38			
20	QPSK	100	0	21.55	21.63	21.59	23	1	
20	16QAM	1	0	21.55	21.79	21.57			
20	16QAM	1	49	21.59	21.64	21.45			
20	16QAM	1	99	21.43	21.50	21.40	22	2	
20	16QAM	50	0	20.72	20.70	20.66			
20	16QAM	50	24	20.61	20.65	20.47			
20	16QAM	50	50	20.58	20.67	20.53	22	2	
20	16QAM	100	0	20.50	20.58	20.49			
20	64QAM	1	0	20.78	20.66	20.71			
20	64QAM	1	49	20.60	20.65	20.55	22	2	
20	64QAM	1	99	20.41	20.56	20.60			
20	64QAM	50	0	19.63	19.67	19.52			
20	64QAM	50	24	19.63	19.75	19.41	21	3	
20	64QAM	50	50	19.58	19.50	19.53			
20	64QAM	100	0	19.54	19.57	19.55			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.30	22.44	22.19	24	0	
15	QPSK	1	37	22.24	22.35	22.20			
15	QPSK	1	74	22.22	22.38	22.18			
15	QPSK	36	0	21.64	21.63	21.66	23	1	
15	QPSK	36	20	21.38	21.59	21.24			
15	QPSK	36	39	21.18	21.31	21.30			
15	QPSK	75	0	21.52	21.47	21.42	23	1	
15	16QAM	1	0	21.46	21.55	21.39			
15	16QAM	1	37	21.53	21.53	21.25			
15	16QAM	1	74	21.43	21.44	21.38	22	2	
15	16QAM	36	0	20.56	20.56	20.63			
15	16QAM	36	20	20.56	20.45	20.38			
15	16QAM	36	39	20.38	20.58	20.37	22	2	
15	16QAM	75	0	20.35	20.44	20.29			
15	64QAM	1	0	20.68	20.47	20.68			
15	64QAM	1	37	20.40	20.58	20.38	22	2	
15	64QAM	1	74	20.26	20.35	20.51			
15	64QAM	36	0	19.51	19.55	19.49			
15	64QAM	36	20	19.43	19.60	19.34	21	3	
15	64QAM	36	39	19.50	19.52	19.51			
15	64QAM	75	0	19.54	19.38	19.55			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.43	22.42	22.26	24	0	
10	QPSK	1	25	22.15	22.35	22.27			
10	QPSK	1	49	22.07	22.38	22.24			
10	QPSK	25	0	21.57	21.56	21.68	23	1	
10	QPSK	25	12	21.50	21.56	21.29			
10	QPSK	25	25	21.18	21.52	21.26			
10	QPSK	50	0	21.53	21.63	21.39	23	1	
10	16QAM	1	0	21.53	21.70	21.44			
10	16QAM	1	25	21.44	21.46	21.31			
10	16QAM	1	49	21.27	21.45	21.24	22	2	
10	16QAM	25	0	20.69	20.65	20.54			
10	16QAM	25	12	20.58	20.59	20.49			
10	16QAM	25	25	20.49	20.58	20.40	22	2	
10	16QAM	50	0	20.45	20.60	20.45			
10	64QAM	1	0	20.77	20.49	20.52			
10	64QAM	1	25	20.40	20.51	20.56	22	2	
10	64QAM	1	49	20.39	20.50	20.50			
10	64QAM	25	0	19.63	19.54	19.43			
10	64QAM	25	12	19.54	19.54	19.20	21	3	
10	64QAM	25	25	19.53	19.30	19.48			
10	64QAM	50	0	19.34	19.52	19.34			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.44	22.45	22.20	24	0	
5	QPSK	1	12	22.30	22.40	22.20			
5	QPSK	1	24	22.29	22.35	22.16			
5	QPSK	12	0	21.63	21.56	21.65	23	1	
5	QPSK	12	7	21.29	21.40	21.25			
5	QPSK	12	13	21.40	21.29	21.22			
5	QPSK	25	0	21.50	21.55	21.54	23	1	
5	16QAM	1	0	21.50	21.55	21.57			
5	16QAM	1	12	21.52	21.43	21.36			
5	16QAM	1	24	21.30	21.41	21.22	22	2	
5	16QAM	12	0	20.71	20.62	20.45			
5	16QAM	12	7	20.48	20.45	20.46			
5	16QAM	12	13	20.55	20.50	20.46	22	2	
5	16QAM	25	0	20.31	20.43	20.47			
5	64QAM	1	0	20.66	20.48	20.59			
5	64QAM	1	12	20.55	20.57	20.45	22	2	
5	64QAM	1	24	20.34	20.35	20.48			
5	64QAM	12	0	19.57	19.45	19.40			
5	64QAM	12	7	19.44	19.60	19.32	21	3	
5	64QAM	12	13	19.58	19.35	19.42			
5	64QAM	25	0	19.37	19.37	19.34			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.44	22.44	22.31	24	0	
3	QPSK	1	8	22.29	22.34	22.27			
3	QPSK	1	14	22.12	22.36	22.22			
3	QPSK	8	0	21.61	21.57	21.58	23	1	
3	QPSK	8	4	21.41	21.42	21.25			
3	QPSK	8	7	21.32	21.48	21.34			
3	QPSK	15	0	21.40	21.49	21.50	23	1	
3	16QAM	1	0	21.36	21.53	21.41			
3	16QAM	1	8	21.43	21.43	21.25			
3	16QAM	1	14	21.44	21.44	21.26	22	2	
3	16QAM	8	0	20.69	20.50	20.50			
3	16QAM	8	4	20.58	20.51	20.31			
3	16QAM	8	7	20.38	20.58	20.52	22	2	
3	16QAM	15	0	20.49	20.38	20.30			
3	64QAM	1	0	20.57	20.62	20.70			
3	64QAM	1	8	20.45	20.60	20.54	22	2	
3	64QAM	1	14	20.29	20.56	20.39			
3	64QAM	8	0	19.46	19.47	19.35			
3	64QAM	8	4	19.50	19.66	19.32	21	3	
3	64QAM	8	7	19.54	19.51	19.33			
3	64QAM	15	0	19.39	19.55	19.38			
Channel				131973	132322	132663	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.41	22.43	22.28	24	0	
1.4	QPSK	1	3	22.17	22.47	22.31			
1.4	QPSK	1	5	22.15	22.23	22.13			
1.4	QPSK	3	0	22.29	22.40	22.21			
1.4	QPSK	3	1	22.37	22.23	22.20			
1.4	QPSK	3	3	22.06	22.37	22.26	23	1	
1.4	QPSK	6	0	21.49	21.55	21.50			
1.4	16QAM	1	0	21.37	21.30	21.12			
1.4	16QAM	1	3	21.34	21.46	21.18			
1.4	16QAM	1	5	21.21	21.41	21.42			
1.4	16QAM	3	0	21.34	21.40	21.25	23	1	
1.4	16QAM	3	1	21.30	21.24	21.15			
1.4	16QAM	3	3	21.25	21.39	21.11			
1.4	16QAM	6	0	20.49	20.51	20.30			
1.4	16QAM	1	0	20.49	20.30	20.16			
1.4	64QAM	1	3	20.36	20.59	20.46	22	2	
1.4	64QAM	1	5	20.30	20.27	20.11			
1.4	64QAM	3	0	20.43	20.57	20.51			
1.4	64QAM	3	1	20.43	20.27	20.36			
1.4	64QAM	3	3	20.15	20.41	20.41			
1.4	64QAM	6	0	19.52	19.65	19.50	21	3	

Band 7 Ant1

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				20850	21100	21350	24	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.41	22.52	22.12		
20	QPSK	1	49	22.36	22.51	22.08	23	1
20	QPSK	1	99	22.30	22.48	22.08		
20	QPSK	50	0	21.42	21.52	21.22		
20	QPSK	50	24	21.24	21.48	21.02	23	1
20	QPSK	50	50	21.31	21.44	21.38		
20	QPSK	100	0	21.31	21.43	21.26		
20	16QAM	1	0	21.70	21.77	21.59	23	1
20	16QAM	1	49	21.47	21.65	21.47		
20	16QAM	1	99	21.44	21.76	21.38		
20	16QAM	50	0	20.49	20.46	20.30	22	2
20	16QAM	50	24	20.21	20.52	20.11		
20	16QAM	50	50	20.24	20.43	20.27		
20	16QAM	100	0	20.40	20.42	20.17	22	2
20	64QAM	1	0	20.71	20.63	20.58		
20	64QAM	1	49	20.52	20.55	20.41		
20	64QAM	1	99	20.44	20.50	20.45	21	3
20	64QAM	50	0	19.50	19.48	19.23		
20	64QAM	50	24	19.28	19.44	19.15		
20	64QAM	50	50	19.31	19.39	19.30	20	20
20	64QAM	100	0	19.47	19.40	19.20		
Channel				20825	21100	21375	24	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.39	22.51	22.12		
15	QPSK	1	37	22.21	22.46	22.14	23	1
15	QPSK	1	74	22.25	22.43	22.02		
15	QPSK	36	0	21.43	21.36	21.10		
15	QPSK	36	20	21.05	21.32	21.01	23	1
15	QPSK	36	39	21.18	21.22	21.27		
15	QPSK	75	0	21.12	21.43	21.16		
15	16QAM	1	0	21.55	21.54	21.57	23	1
15	16QAM	1	37	21.38	21.46	21.38		
15	16QAM	1	74	21.40	21.60	21.37		
15	16QAM	36	0	20.38	20.34	20.17	22	2
15	16QAM	36	20	20.14	20.39	20.02		
15	16QAM	36	39	20.17	20.40	20.28		
15	16QAM	75	0	20.23	20.33	20.00	22	2
15	64QAM	1	0	20.54	20.53	20.47		
15	64QAM	1	37	20.52	20.35	20.33		
15	64QAM	1	74	20.42	20.47	20.47	21	3
15	64QAM	36	0	19.37	19.27	19.11		
15	64QAM	36	20	19.14	19.30	19.01		
15	64QAM	36	39	19.29	19.23	19.09	20	20
15	64QAM	75	0	19.44	19.31	19.08		
Channel				20800	21100	21400	24	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.40	22.51	22.11		
10	QPSK	1	25	22.38	22.34	22.13	23	1
10	QPSK	1	49	22.22	22.47	22.06		
10	QPSK	25	0	21.39	21.31	21.00		
10	QPSK	25	12	21.24	21.48	21.15	23	1
10	QPSK	25	25	21.18	21.45	21.16		
10	QPSK	50	0	21.16	21.43	21.24		
10	16QAM	1	0	21.55	21.52	21.40	23	1
10	16QAM	1	25	21.40	21.48	21.34		
10	16QAM	1	49	21.44	21.52	21.24		
10	16QAM	25	0	20.35	20.37	20.19	22	2
10	16QAM	25	12	20.18	20.36	20.10		
10	16QAM	25	25	20.12	20.23	20.16		
10	16QAM	50	0	20.39	20.33	20.17	22	2
10	64QAM	1	0	20.50	20.61	20.57		
10	64QAM	1	25	20.39	20.52	20.29		
10	64QAM	1	49	20.42	20.32	20.32	21	3
10	64QAM	25	0	19.30	19.33	19.09		
10	64QAM	25	12	19.15	19.26	19.07		
10	64QAM	25	25	19.26	19.35	19.11	20	20
10	64QAM	50	0	19.42	19.33	19.22		
Channel				20775	21100	21425	24	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.29	22.48	22.04		
5	QPSK	1	12	22.37	22.31	22.09	23	1
5	QPSK	1	24	22.24	22.48	22.06		
5	QPSK	12	0	21.39	21.37	21.03		
5	QPSK	12	7	21.13	21.28	21.13	23	1
5	QPSK	12	13	21.17	21.40	21.23		
5	QPSK	25	0	21.28	21.41	21.26		
5	16QAM	1	0	21.58	21.49	21.39	23	1
5	16QAM	1	12	21.38	21.48	21.15		
5	16QAM	1	24	21.35	21.62	21.33		
5	16QAM	12	0	20.40	20.45	20.32	22	2
5	16QAM	12	7	20.12	20.40	20.05		
5	16QAM	12	13	20.20	20.33	20.18		
5	16QAM	25	0	20.20	20.41	20.07	22	2
5	64QAM	1	0	20.49	20.51	20.38		
5	64QAM	1	12	20.35	20.35	20.16		
5	64QAM	1	24	20.34	20.28	20.24	21	3
5	64QAM	12	0	19.29	19.30	19.08		
5	64QAM	12	7	19.24	19.25	19.02		
5	64QAM	12	13	19.12	19.40	19.18	20	20
5	64QAM	25	0	19.44	19.37	19.19		

Band 30 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710			24	0
Frequency (MHz)				2310				
10	QPSK	1	0		22.34			
10	QPSK	1	25		22.31			
10	QPSK	1	49		22.29			
10	QPSK	25	0		21.52			
10	QPSK	25	12		21.47			
10	QPSK	25	25		21.31			
10	QPSK	50	0		21.43			
10	16QAM	1	0		21.74			
10	16QAM	1	25		21.70			
10	16QAM	1	49		21.68			
10	16QAM	25	0		20.51			
10	16QAM	25	12		20.36			
10	16QAM	25	25		20.38			
10	16QAM	50	0		20.39			
10	64QAM	1	0		20.65			
10	64QAM	1	25		20.59			
10	64QAM	1	49		20.52			
10	64QAM	25	0		19.49			
10	64QAM	25	12		19.44			
10	64QAM	25	25		19.42			
10	64QAM	50	0		19.42			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.25	22.33	22.18	24	0
5	QPSK	1	12	22.24	22.22	22.15		
5	QPSK	1	24	22.21	22.16	22.15		
5	QPSK	12	0	21.38	21.51	21.44	23	1
5	QPSK	12	7	21.37	21.36	21.44		
5	QPSK	12	13	21.29	21.09	21.25		
5	QPSK	25	0	21.39	21.33	21.22	23	1
5	16QAM	1	0	21.53	21.53	21.72		
5	16QAM	1	12	21.60	21.71	21.55		
5	16QAM	1	24	21.64	21.56	21.50	22	2
5	16QAM	12	0	20.50	20.39	20.50		
5	16QAM	12	7	20.36	20.38	20.24		
5	16QAM	12	13	20.35	20.22	20.18	22	2
5	16QAM	25	0	20.22	20.25	20.32		
5	64QAM	1	0	20.52	20.55	20.54		
5	64QAM	1	12	20.59	20.59	20.53	22	2
5	64QAM	1	24	20.52	20.39	20.44		
5	64QAM	12	0	19.33	19.30	19.33		
5	64QAM	12	7	19.39	19.22	19.37	21	3
5	64QAM	12	13	19.33	19.29	19.25		
5	64QAM	25	0	19.36	19.20	19.37		



Band 38 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37650	38050	38150					
20	QPSK	1	0	22.32	22.32	22.32	24	0			
20	QPSK	1	48	22.30	22.34	22.34					
20	QPSK	1	96	22.28	22.36	22.36					
20	QPSK	50	0	21.32	21.54	21.27					
20	QPSK	50	24	21.43	21.48	21.39	23	1			
20	QPSK	50	50	21.37	21.32	21.43					
20	QPSK	100	0	21.38	21.49	21.34					
20	HQAM	1	0	21.11	21.48	21.25					
20	HQAM	1	48	21.33	21.45	21.35	23	1			
20	HQAM	1	96	21.31	21.28	21.30					
20	HQAM	50	0	20.21	20.54	20.28					
20	HQAM	50	24	20.54	20.39	20.41					
20	HQAM	50	50	20.32	20.29	20.34	22	2			
20	HQAM	100	0	20.25	20.49	20.40					
20	HQAM	1	0	20.37	20.47	20.35					
20	HQAM	1	48	20.37	20.47	20.35					
20	HQAM	1	96	20.35	20.52	20.42	22	2			
20	HQAM	50	0	19.18	19.48	19.15					
20	HQAM	50	24	19.48	19.49	19.48					
20	HQAM	50	50	19.36	19.32	19.28					
20	HQAM	100	0	19.31	19.42	19.43	21	3			
Channel											
Frequency (MHz)				37625	38050	38175	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	22.23	22.34	22.06	24	0			
15	QPSK	1	37	22.14	22.38	22.06					
15	QPSK	1	74	22.08	22.29	22.18					
15	QPSK	36	0	21.33	21.55	21.19					
15	QPSK	36	36	21.23	21.33	21.41	23	1			
15	QPSK	36	36	21.31	21.20	21.23					
15	QPSK	75	0	21.22	21.46	21.29					
15	HQAM	1	0	21.19	21.47	21.16					
15	HQAM	1	37	21.07	21.28	21.32	23	1			
15	HQAM	1	74	21.26	21.26	21.16					
15	HQAM	36	0	20.19	20.41	20.08					
15	HQAM	36	20	20.46	20.24	20.37					
15	HQAM	36	36	20.35	20.33	20.41	22	2			
15	HQAM	75	0	20.17	20.31	20.25					
15	HQAM	1	0	20.32	20.49	20.34					
15	HQAM	1	37	20.48	20.48	20.38					
15	HQAM	36	0	19.12	19.47	19.16	21	3			
15	HQAM	36	20	19.34	19.28	19.26					
15	HQAM	36	36	19.31	19.14	19.16					
15	HQAM	75	0	19.16	19.30	19.31					
Channel											
Frequency (MHz)				37600	38050	38100	Tune-up limit (dBm)			MPR (dB)	
10	QPSK	1	0	22.11	22.30	22.12	24	0			
10	QPSK	1	25	22.17	22.21	22.09					
10	QPSK	1	49	22.08	22.12	22.04					
10	QPSK	25	0	21.23	21.44	21.18					
10	QPSK	25	12	21.26	21.48	21.38	23	1			
10	QPSK	25	25	21.26	21.48	21.24					
10	QPSK	50	0	21.35	21.28	21.21					
10	HQAM	1	0	21.18	21.31	21.18					
10	HQAM	1	25	21.21	21.34	21.18	23	1			
10	HQAM	1	49	21.31	21.24	21.10					
10	HQAM	25	0	20.13	20.40	20.22					
10	HQAM	25	12	20.51	20.38	20.40					
10	HQAM	25	25	20.21	20.11	20.17	22	2			
10	HQAM	50	0	20.34	20.50	20.20					
10	HQAM	50	1	20.16	20.48	20.36					
10	HQAM	1	25	20.27	20.47	20.50					
10	HQAM	1	48	20.52	20.35	20.31	22	2			
10	HQAM	36	0	19.16	19.37	19.10					
10	HQAM	25	12	19.32	19.50	19.38					
10	HQAM	25	25	19.17	19.18	19.23					
10	HQAM	50	0	19.31	19.41	19.43	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24	22.24	22.12	22.07					
5	QPSK	12	0	21.22	21.40	21.18					
5	QPSK	12	7	21.43	21.47	21.19	23	1			
5	QPSK	12	13	21.24	21.31	21.36					
5	QPSK	25	0	21.30	21.48	21.20					
5	HQAM	1	0	21.19	21.30	21.08					
5	HQAM	1	12	21.18	21.20	21.22	23	1			
5	HQAM	1	24	21.21	21.24	21.18					
5	HQAM	12	0	20.11	20.51	20.11					
5	HQAM	12	7	20.45	20.29	20.23					
5	HQAM	12	13	20.11	20.27	20.14	22	2			
5	HQAM	25	0	20.15	20.46	20.39					
5	HQAM	1	1	20.40	20.59	20.41					
5	HQAM	1	12	20.42	20.53	20.53					
5	HQAM	1	24	20.34	20.40	20.44	22	2			
5	HQAM	12	0	19.08	19.30	19.04					
5	HQAM	12	7	19.48	19.38	19.42					
5	HQAM	12	13	19.22	19.13	19.20					
5	HQAM	25	0	19.10	19.40	19.42	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24	22.24	22.12	22.07					
5	QPSK	12	0	21.22	21.40	21.18					
5	QPSK	12	7	21.43	21.47	21.19	23	1			
5	QPSK	12	13	21.24	21.31	21.36					
5	QPSK	25	0	21.30	21.48	21.20					
5	HQAM	1	0	21.19	21.30	21.08					
5	HQAM	1	12	21.18	21.20	21.22	23	1			
5	HQAM	1	24	21.21	21.24	21.18					
5	HQAM	12	0	20.11	20.51	20.11					
5	HQAM	12	7	20.45	20.29	20.23					
5	HQAM	12	13	20.11	20.27	20.14	22	2			
5	HQAM	25	0	20.15	20.46	20.39					
5	HQAM	1	1	20.40	20.59	20.41					
5	HQAM	1	12	20.42	20.53	20.53					
5	HQAM	1	24	20.34	20.40	20.44	22	2			
5	HQAM	12	0	19.08	19.30	19.04					
5	HQAM	12	7	19.48	19.38	19.42					
5	HQAM	12	13	19.22	19.13	19.20					
5	HQAM	25	0	19.10	19.40	19.42	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24	22.24	22.12	22.07					
5	QPSK	12	0	21.22	21.40	21.18					
5	QPSK	12	7	21.43	21.47	21.19	23	1			
5	QPSK	12	13	21.24	21.31	21.36					
5	QPSK	25	0	21.30	21.48	21.20					
5	HQAM	1	0	21.19	21.30	21.08					
5	HQAM	1	12	21.18	21.20	21.22	23	1			
5	HQAM	1	24	21.21	21.24	21.18					
5	HQAM	12	0	20.11	20.51	20.11					
5	HQAM	12	7	20.45	20.29	20.23					
5	HQAM	12	13	20.11	20.27	20.14	22	2			
5	HQAM	25	0	20.15	20.46	20.39					
5	HQAM	1	1	20.40	20.59	20.41					
5	HQAM	1	12	20.42	20.53	20.53					
5	HQAM	1	24	20.34	20.40	20.44	22	2			
5	HQAM	12	0	19.08	19.30	19.04					
5	HQAM	12	7	19.48	19.38	19.42					
5	HQAM	12	13	19.22	19.13	19.20					
5	HQAM	25	0	19.10	19.40	19.42	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24	22.24	22.12	22.07					
5	QPSK	12	0	21.22	21.40	21.18					
5	QPSK	12	7	21.43	21.47	21.19	23	1			
5	QPSK	12	13	21.24	21.31	21.36					
5	QPSK	25	0	21.30	21.48	21.20					
5	HQAM	1	0	21.19	21.30	21.08					
5	HQAM	1	12	21.18	21.20	21.22	23	1			
5	HQAM	1	24	21.21	21.24	21.18					
5	HQAM	12	0	20.11	20.51	20.11					
5	HQAM	12	7	20.45	20.29	20.23					
5	HQAM	12	13	20.11	20.27	20.14	22	2			
5	HQAM	25	0	20.15	20.46	20.39					
5	HQAM	1	1	20.40	20.59	20.41					
5	HQAM	1	12	20.42	20.53	20.53					
5	HQAM	1	24	20.34	20.40	20.44	22	2			
5	HQAM	12	0	19.08	19.30	19.04					
5	HQAM	12	7	19.48	19.38	19.42					
5	HQAM	12	13	19.22	19.13	19.20					
5	HQAM	25	0	19.10	19.40	19.42	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24	22.24	22.12	22.07					
5	QPSK	12	0	21.22	21.40	21.18					
5	QPSK	12	7	21.43	21.47	21.19	23	1			
5	QPSK	12	13	21.24	21.31	21.36					
5	QPSK	25	0	21.30	21.48	21.20					
5	HQAM	1	0	21.19	21.30	21.08					
5	HQAM	1	12	21.18	21.20	21.22	23	1			
5	HQAM	1	24	21.21	21.24	21.18					
5	HQAM	12	0	20.11	20.51	20.11					
5	HQAM	12	7	20.45	20.29	20.23					
5	HQAM	12	13	20.11	20.27	20.14	22	2			
5	HQAM	25	0	20.15	20.46	20.39					
5	HQAM	1	1	20.40	20.59	20.41					
5	HQAM	1	12	20.42	20.53	20.53					
5	HQAM	1	24	20.34	20.40	20.44	22	2			
5	HQAM	12	0	19.08	19.30	19.04					
5	HQAM	12	7	19.48	19.38	19.42					
5	HQAM	12	13	19.22	19.13	19.20					
5	HQAM	25	0	19.10	19.40	19.42	21	3			
Channel											
Frequency (MHz)				37775	38050	38225	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.14	22.33	22.10	24	0			
5	QPSK	1	12	22.30	22.15	22.05					
5	QPSK	1	24</								

Band 41 Ant2											
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	MPR	
Channel				39750	40185	40620	41055	41490	dBm	(dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.61	21.89	21.92	21.70	21.52	22.5	0	
20	QPSK	1	49	21.60	21.83	21.89	21.68	21.57			
20	QPSK	1	99	21.58	21.70	21.86	21.55	21.47			
20	QPSK	50	0	20.70	20.78	21.05	20.76	20.61			
20	QPSK	50	24	20.59	20.84	20.78	20.79	20.56	21.5	1	
20	QPSK	50	50	20.57	20.68	20.74	20.61	20.58			
20	QPSK	100	0	20.67	20.81	20.97	20.69	20.59			
20	16QAM	1	0	20.57	20.81	20.84	20.73	20.41			
20	16QAM	1	49	20.52	20.70	20.73	20.61	20.46	21.5	1	
20	16QAM	1	99	20.52	20.62	20.73	20.47	20.37			
20	16QAM	50	0	19.72	19.90	19.88	19.74	19.51			
20	16QAM	50	24	19.51	19.80	19.88	19.69	19.50			
20	16QAM	50	50	19.45	19.70	19.86	19.53	19.54	20.5	2	
20	16QAM	100	0	19.56	19.79	19.97	19.67	19.50			
20	64QAM	1	0	19.18	19.19	19.39	19.20	19.03			
20	64QAM	1	49	19.02	19.22	19.23	19.10	19.05			
20	64QAM	1	99	19.00	19.06	19.23	18.98	19.02	20.5	2	
20	64QAM	50	0	18.60	18.72	18.75	18.65	18.52			
20	64QAM	50	24	18.50	18.73	18.75	18.80	18.55			
20	64QAM	50	50	18.63	18.63	18.65	18.48	18.54			
20	64QAM	100	0	18.73	18.89	18.94	18.68	18.53	19.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit	MPR	
									dBm	(dB)	
15	QPSK	1	0	21.49	21.82	21.88	21.61	21.42	22.5	0	
15	QPSK	1	37	21.49	21.71	21.73	21.59	21.40			
15	QPSK	1	74	21.45	21.62	21.70	21.43	21.50			
15	QPSK	36	0	20.58	20.64	20.89	20.71	20.56			
15	QPSK	36	20	20.45	20.72	20.70	20.62	20.41	21.5	1	
15	QPSK	36	39	20.51	20.53	20.69	20.56	20.52			
15	QPSK	75	0	20.53	20.76	20.93	20.56	20.47			
15	16QAM	1	0	20.53	20.67	20.67	20.64	20.28			
15	16QAM	1	37	20.39	20.59	20.69	20.54	20.37	21.5	1	
15	16QAM	1	74	20.43	20.46	20.57	20.40	20.28			
15	16QAM	36	0	19.58	19.80	19.84	19.62	19.38			
15	16QAM	36	20	19.49	19.64	19.79	19.62	19.38			
15	16QAM	36	39	19.52	19.64	19.71	19.46	19.48	20.5	2	
15	16QAM	75	0	19.40	19.67	19.86	19.61	19.37			
15	64QAM	1	0	19.04	19.03	19.23	19.10	18.91			
15	64QAM	1	37	18.92	19.19	19.10	19.00	18.94			
15	64QAM	1	74	18.94	19.03	19.10	18.92	18.85	20.5	2	
15	64QAM	36	0	18.54	18.61	18.59	18.60	18.39			
15	64QAM	36	20	18.40	18.67	18.62	18.75	18.42			
15	64QAM	36	39	18.48	18.57	18.59	18.40	18.47			
15	64QAM	75	0	18.66	18.85	18.80	18.65	18.45	19.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.48	21.85	21.84	21.64	21.37	22.5	0	
10	QPSK	1	25	21.51	21.69	21.75	21.53	21.43			
10	QPSK	1	49	21.54	21.59	21.70	21.40	21.43			
10	QPSK	25	0	20.59	20.72	20.93	20.62	20.56			
10	QPSK	25	12	20.49	20.78	20.70	20.68	20.50	21.5	1	
10	QPSK	25	25	20.50	20.62	20.63	20.47	20.43			
10	QPSK	50	0	20.57	20.70	20.84	20.57	20.51			
10	16QAM	1	0	20.42	20.74	20.70	20.60	20.32			
10	16QAM	1	25	20.47	20.63	20.61	20.58	20.41	21.5	1	
10	16QAM	1	49	20.38	20.55	20.64	20.33	20.29			
10	16QAM	25	0	19.60	19.84	19.84	19.67	19.39			
10	16QAM	25	12	19.52	19.66	19.80	19.60	19.41			
10	16QAM	25	25	19.51	19.54	19.78	19.47	19.49	20.5	2	
10	16QAM	50	0	19.52	19.70	19.83	19.53	19.41			
10	64QAM	1	0	19.09	19.07	19.34	19.09	18.87			
10	64QAM	1	25	18.90	19.08	19.17	19.06	19.00			
10	64QAM	1	49	18.89	18.92	19.08	18.86	18.92	20.5	2	
10	64QAM	25	0	18.49	18.64	18.71	18.52	18.43			
10	64QAM	25	12	18.41	18.60	18.71	18.76	18.41			
10	64QAM	25	25	18.56	18.52	18.56	18.41	18.41			
10	64QAM	50	0	18.67	18.79	18.89	18.56	18.39	19.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	21.55	21.84	21.86	21.62	21.45	22.5	0	
5	QPSK	1	12	21.55	21.67	21.74	21.64	21.53			
5	QPSK	1	24	21.54	21.66	21.77	21.38	21.52			
5	QPSK	12	0	20.56	20.65	20.92	20.70	20.53			
5	QPSK	12	7	20.56	20.80	20.64	20.66	20.52	21.5	1	
5	QPSK	12	13	20.42	20.52	20.67	20.55	20.46			
5	QPSK	25	0	20.56	20.76	20.80	20.35	20.54			
5	16QAM	1	0	20.47	20.77	20.75	20.70	20.36			
5	16QAM	1	12	20.41	20.55	20.61	20.57	20.33	21.5	1	
5	16QAM	1	24	20.41	20.57	20.69	20.33	20.45			
5	16QAM	12	0	19.67	19.64	19.74	19.60	19.46			
5	16QAM	12	7	19.48	19.69	19.74	19.55	19.45			
5	16QAM	12	13	19.32	19.55	19.63	19.42	19.49	20.5	2	
5	16QAM	25	0	19.53	19.67	19.89	19.60	19.46			
5	64QAM	1	0	19.15	19.05	19.24	19.07	18.93			
5	64QAM	1	12	18.87	19.05	19.20	18.94	18.98			
5	64QAM	1	24	18.84	19.00	19.13	18.87	18.90	20.5	2	
5	64QAM	12	0	18.50	18.65	18.68	18.50	18.36			
5	64QAM	12	7	18.40	18.56	18.60	18.66	18.50			
5	64QAM	12	13	18.50	18.57	18.53	18.33	18.40			
5	64QAM	25	0	18.66	18.81	18.79	18.60	18.40	19.5	3	
Channel				39650	40108	40560	41018	41475			
Frequency (MHz)				2496	2541.5	2587	2633	2679			

Band 41 HPUE Ant2														
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	24.60	24.69	24.74	24.56	24.45	25.5	0				
20	QPSK	1	49	24.48	24.54	24.65	24.52	24.38						
20	QPSK	1	99	24.55	24.55	24.62	24.38	24.27						
20	QPSK	50	0	23.65	23.76	23.77	23.49	23.38						
20	QPSK	50	24	23.43	23.64	23.65	23.42	23.32	24.5	1				
20	QPSK	50	50	23.59	23.63	23.61	23.46	23.48						
20	QPSK	100	0	23.48	23.68	23.70	23.46	23.33						
20	16QAM	1	0	23.50	23.62	23.67	23.44	23.55						
20	16QAM	1	49	23.57	23.65	23.59	23.42	23.51	24.5	1				
20	16QAM	1	99	23.63	23.51	23.64	23.39	23.36						
20	16QAM	50	0	22.62	22.88	22.82	22.43	22.50						
20	16QAM	50	24	22.53	22.59	22.57	22.50	22.41						
20	16QAM	50	50	22.50	22.72	22.64	22.40	22.45	23.5	2				
20	16QAM	100	0	22.55	22.61	22.71	22.46	22.29						
20	64QAM	1	0	22.30	22.33	22.41	22.26	22.28						
20	64QAM	1	49	22.26	22.25	22.47	22.10	22.23						
20	64QAM	1	99	22.36	22.41	22.43	22.25	22.22	23.5	2				
20	64QAM	50	0	21.74	21.83	21.93	21.64	21.66						
20	64QAM	50	24	21.60	21.77	21.79	21.51	21.58						
20	64QAM	50	50	21.85	21.74	21.92	21.74	21.50						
20	64QAM	100	0	21.70	21.84	21.86	21.58	21.58						
Channel				39725	40173	40620	41088	41515						
Frequency (MHz)				2503.5	2543.5	2593.5	2637.5	2682.5						
15	QPSK	1	0	24.80	24.70	24.73	24.41	24.41	25.5	0				
15	QPSK	1	37	24.44	24.42	24.52	24.54	24.43						
15	QPSK	1	74	24.45	24.39	24.51	24.38	24.42						
15	QPSK	36	0	23.60	23.57	23.56	23.47	23.35						
15	QPSK	36	20	23.23	23.62	23.66	23.25	23.30	24.5	1				
15	QPSK	36	39	23.58	23.57	23.48	23.45	23.36						
15	QPSK	75	0	23.48	23.57	23.51	23.28	23.33						
15	16QAM	1	0	23.49	23.41	23.52	23.41	23.39						
15	16QAM	1	37	23.44	23.46	23.47	23.38	23.21	24.5	1				
15	16QAM	1	74	23.43	23.44	23.52	23.36	23.28						
15	16QAM	36	0	22.60	22.66	22.67	22.34	22.51						
15	16QAM	36	20	22.40	22.60	22.45	22.39	22.43						
15	16QAM	36	39	22.40	22.57	22.57	22.38	22.38	23.5	2				
15	16QAM	75	0	22.46	22.58	22.52	22.29	22.26						
15	64QAM	1	0	22.19	22.25	22.38	22.10	22.14						
15	64QAM	1	37	22.27	22.14	22.40	22.11	22.17						
15	64QAM	1	74	22.18	22.42	22.30	22.12	22.16	23.5	2				
15	64QAM	36	0	21.75	21.78	21.75	21.64	21.44						
15	64QAM	36	20	21.54	21.67	21.67	21.57	21.59						
15	64QAM	36	39	21.67	21.68	21.91	21.64	21.56						
15	64QAM	75	0	21.63	21.82	21.66	21.54	21.55	22.5	3				
Channel				39700	40160	40620	41080	41540						
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	24.49	24.68	24.60	24.49	24.36				25.5	0	
10	QPSK	1	25	24.39	24.55	24.48	24.40	24.37						
10	QPSK	1	49	24.37	24.47	24.44	24.25	24.30						
10	QPSK	25	0	23.44	23.61	23.61	23.39	23.30						
10	QPSK	25	12	23.22	23.44	23.61	23.33	23.36	24.5	1				
10	QPSK	25	25	23.34	23.44	23.63	23.37	23.32						
10	QPSK	50	0	23.32	23.53	23.60	23.30	23.16						
10	QPSK	1	0	23.36	23.51	23.54	23.31	23.42						
10	16QAM	1	25	23.36	23.49	23.56	23.35	23.38	24.5	1				
10	16QAM	1	49	23.59	23.46	23.66	23.35	23.27						
10	16QAM	25	0	22.56	22.62	22.74	22.30	22.36						
10	16QAM	25	12	22.40	22.51	22.53	22.41	22.43						
10	16QAM	25	25	22.46	22.60	22.57	22.28	22.37	23.5	2				
10	16QAM	50	0	22.35	22.50	22.52	22.33	22.12						
10	64QAM	1	0	22.30	22.29	22.39	22.14	22.26						
10	64QAM	1	25	22.27	22.14	22.30	21.95	21.91						
10	64QAM	1	49	22.15	22.28	22.23	22.03	21.95	23.5	2				
10	64QAM	25	0	21.60	21.70	21.68	21.45	21.49						
10	64QAM	25	12	21.44	21.73	21.59	21.47	21.57						
10	64QAM	25	25	21.70	21.64	21.76	21.59	21.48						
10	64QAM	50	0	21.68	21.65	21.72	21.49	21.51	22.5	3				
Channel				39715	40165	40620	41093	41555						
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5						
5	QPSK	1	0	24.61	24.88	24.70	24.45	24.29				25.5	0	
5	QPSK	1	12	24.29	24.66	24.66	24.42	24.35						
5	QPSK	1	24	24.40	24.48	24.62	24.38	24.38						
5	QPSK	12	0	23.48	23.62	23.60	23.49	23.32						
5	QPSK	12	7	23.39	23.59	23.44	23.26	23.29	24.5	1				
5	QPSK	12	13	23.54	23.68	23.59	23.25	23.36						
5	QPSK	25	0	23.42	23.52	23.66	23.32	23.31						
5	16QAM	1	0	23.40	23.54	23.59	23.36	23.51						
5	16QAM	1	12	23.51	23.45	23.55	23.27	23.38	24.5	1				
5	16QAM	1	24	23.57	23.45	23.46	23.25	23.27						
5	16QAM	12	0	22.45	22.57	22.51	22.26	22.40						
5	16QAM	12	7	22.40	22.38	22.40	22.16	22.28						
5	16QAM	12	13	22.49	22.49	22.46	22.21	22.22	23.5	2				
5	16QAM	25	0	22.46	22.46	22.45	22.44	22.18						
5	64QAM	1	0	22.19	22.34	22.44	22.19	22.15						
5	64QAM	1	12	22.13	22.13	22.27	22.01	21.99						
5	64QAM	1	24	22.35	22.37	22.39	22.01	22.13	23.5	2				
5	64QAM	12	0	21.86	21.83	21.81	21.58	21.64						
5	64QAM	12	7	21.69	21.72	21.74	21.62	21.62						
5	64QAM	12	13	21.79	21.72	21.91	21.76	21.64						
5	64QAM	25	0	21.65	21.83	21.87	21.55	21.42	22.5	3				

Band 2 Ant4									
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				18700	18900	19100			
Frequency (MHz)				18660	18800	19000			
20	QPSK	1	0	20.98	21.20	21.15	22	0	
20	QPSK	1	49	20.86	21.16	20.94			
20	QPSK	1	99	20.91	21.11	21.14			
20	QPSK	50	0	19.91	20.27	20.10			
20	QPSK	50	24	19.88	20.24	19.82	21	1	
20	QPSK	50	50	19.93	20.19	20.14			
20	QPSK	100	0	19.89	20.26	20.06			
20	16QAM	1	0	20.09	20.36	20.31			
20	16QAM	1	49	20.01	20.21	19.96	21	1	
20	16QAM	1	99	19.90	20.27	20.17			
20	16QAM	50	0	19.21	19.42	19.30			
20	16QAM	50	24	19.10	19.31	19.27			
20	16QAM	50	50	19.09	19.23	19.27	20	2	
20	16QAM	100	0	19.04	19.28	19.18			
20	64QAM	1	0	18.91	19.24	19.04			
20	64QAM	1	49	18.76	19.17	18.80			
20	64QAM	1	99	18.88	19.23	19.06	20	2	
20	64QAM	50	0	18.08	18.56	18.36			
20	64QAM	50	24	18.17	18.36	18.13			
20	64QAM	50	50	18.18	18.42	18.30			
20	64QAM	100	0	18.07	18.28	18.19	19	3	
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	20.81	21.19	20.96	22	0	
15	QPSK	1	37	20.71	20.99	20.84			
15	QPSK	1	74	20.81	21.00	21.08			
15	QPSK	36	0	19.73	20.14	19.99			
15	QPSK	36	20	19.71	20.02	19.73	21	1	
15	QPSK	36	39	19.89	20.10	20.13			
15	QPSK	75	0	19.81	20.13	19.97			
15	16QAM	1	0	20.02	20.31	20.20			
15	16QAM	1	37	19.90	20.15	19.96	21	1	
15	16QAM	1	74	19.87	20.22	20.15			
15	16QAM	36	0	19.00	19.19	19.17			
15	16QAM	36	20	19.01	19.32	19.04			
15	16QAM	36	39	18.88	19.10	19.09	20	2	
15	16QAM	75	0	19.01	19.28	19.18			
15	64QAM	1	0	18.91	19.01	18.92			
15	64QAM	1	37	18.81	19.02	18.77			
15	64QAM	1	74	18.88	19.00	18.98	20	2	
15	64QAM	36	0	18.00	18.36	18.36			
15	64QAM	36	20	17.99	18.21	18.03			
15	64QAM	36	39	17.98	18.21	18.20			
15	64QAM	75	0	17.96	18.07	18.12	19	3	
Channel				18650	18900	19050			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	20.92	21.09	21.08	22	0	
10	QPSK	1	25	20.71	21.10	20.76			
10	QPSK	1	49	20.81	21.09	21.04			
10	QPSK	25	0	19.88	20.14	20.06			
10	QPSK	25	12	19.89	20.18	19.86	21	1	
10	QPSK	25	25	19.94	19.97	20.05			
10	QPSK	50	0	19.76	20.13	19.85			
10	16QAM	1	0	20.08	20.31	20.14			
10	16QAM	1	25	19.99	20.11	19.92	21	1	
10	16QAM	1	49	19.98	20.22	20.06			
10	16QAM	25	0	19.11	19.29	19.17			
10	16QAM	25	12	18.98	19.13	18.93			
10	16QAM	25	25	18.94	19.14	19.18	20	2	
10	16QAM	50	0	18.88	19.09	19.19			
10	64QAM	1	0	18.83	19.08	19.03			
10	64QAM	1	25	18.86	19.18	18.89			
10	64QAM	1	49	18.86	19.15	18.98	20	2	
10	64QAM	25	0	18.08	18.39	18.34			
10	64QAM	25	12	18.06	18.36	18.13			
10	64QAM	25	25	18.12	18.27	18.22			
10	64QAM	50	0	17.89	18.16	18.04	19	3	
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.90	21.14	21.14	22	0	
5	QPSK	1	12	20.86	21.10	20.96			
5	QPSK	1	24	20.85	21.05	21.11			
5	QPSK	12	0	19.89	20.10	20.10			
5	QPSK	12	7	19.77	20.20	19.73	21	1	
5	QPSK	12	13	19.82	20.08	20.01			
5	QPSK	25	0	19.96	20.21	20.08			
5	16QAM	1	0	19.96	20.24	20.20			
5	16QAM	1	12	19.99	20.07	19.98	21	1	
5	16QAM	1	24	19.96	20.20	20.16			
5	16QAM	12	0	19.22	19.29	19.24			
5	16QAM	12	7	19.02	19.18	18.99			
5	16QAM	12	13	18.90	19.03	19.09	20	2	
5	16QAM	25	0	18.94	19.29	19.19			
5	64QAM	1	0	18.72	19.12	18.93			
5	64QAM	1	12	18.79	18.98	18.81			
5	64QAM	1	24	18.90	19.12	18.87	20	2	
5	64QAM	12	0	17.94	18.26	18.14			
5	64QAM	12	7	17.96	18.36	18.27			
5	64QAM	12	13	18.06	18.27	18.20			
5	64QAM	25	0	17.97	18.21	18.15	Channel		
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.88	21.11	20.98	22	0	
3	QPSK	1	8	20.79	21.10	20.74			
3	QPSK	1	14	20.87	21.03	20.92			
3	QPSK	8	0	19.71	20.04	20.11			
3	QPSK	8	4	19.76	20.13	19.71	21	1	
3	QPSK	8	7	19.87	20.10	19.95			
3	QPSK	15	0	19.90	20.22	19.89			
3	16QAM	1	0	19.95	20.27	20.12			
3	16QAM	1	8	19.88	20.03	19.95	21	1	
3	16QAM	1	14	19.92	20.06	20.10			
3	16QAM	8	0	19.08	19.34	19.30			
3	16QAM	8	4	19.00	19.28	19.08			
3	16QAM	8	7	18.97	19.07	19.16	20	2	
3	16QAM	15	0	18.94	19.10	19.14			
3	64QAM	1	0	18.82	18.99	18.91			
3	64QAM	1	8	18.70	18.98	18.78			
3	64QAM	1	14	18.81	18.98	18.87	20	2	
3	64QAM	8	0	17.90	18.37	18.34			
3	64QAM	8	4	18.07	18.38	18.15			
3	64QAM	8	7	17.98	18.29	18.12			
3	64QAM	15	0	18.06	18.09	18.15	19	3	
Channel				18600	18900	19035			
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	20.79	21.15	20.99	22	0	
1.4	QPSK	1	3	20.79	20.95	20.88			
1.4	QPSK	1	5	20.84	21.02	21.10			
1.4	QPSK	3	0	20.85	21.13	20.98			
1.4	QPSK	3	1	20.68	21.10	20.66	21	1	
1.4	QPSK	3	3	20.80	20.83	20.73			
1.4	QPSK	6	0	19.73	20.18	20.11			
1.4	16QAM	1	0	19.71	19.96	19.66			
1.4	16QAM	1	3	19.70	19.98	19.86	21	1	
1.4	16QAM	1	5	19.72	20.08	19.78			
1.4	16QAM	3	0	19.85	20.09	20.03			
1.4	16QAM	3	1	19.77	19.94	19.76			
1.4	16QAM	3	3	19.84	20.03	19.92	20	2	
1.4	16QAM	6	0	19.90	19.27	19.21			
1.4	64QAM	1	0	19.01	19.19	18.94			
1.4	64QAM	1	3	18.88	19.08	18.95			
1.4	64QAM	1	5	18.78	18.93	19.09	20	2	
1.4	64QAM	3	0	18.79	18.93	18.84			
1.4	64QAM	3	1	18.70	18.94	18.87			
1.4	64QAM	3	3	18.69	18.98	18.71			
1.4	64QAM	6	0	17.87	18.06	18.00	19	3	

Band 7 Ant4

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				20850	21100	21350	24	0
Frequency (MHz)				2210	2255	2295		
20	QPSK	1	0	22.53	22.55	22.51	23	1
20	QPSK	1	49	22.39	22.50	22.42		
20	QPSK	1	99	22.39	22.49	22.37		
20	QPSK	50	0	21.52	21.61	21.45		
20	QPSK	50	24	21.41	21.57	21.42	23	1
20	QPSK	50	50	21.42	21.48	21.35		
20	QPSK	100	0	21.60	21.62	21.58		
20	16QAM	1	0	21.56	21.54	21.48		
20	16QAM	1	49	21.44	21.44	21.44	22	2
20	16QAM	1	99	21.44	21.53	21.44		
20	16QAM	50	0	20.59	20.55	20.47		
20	16QAM	50	24	20.34	20.61	20.45		
20	16QAM	50	50	20.45	20.54	20.42	22	2
20	16QAM	100	0	20.60	20.56	20.61		
20	16QAM	1	0	20.55	20.55	20.45		
20	16QAM	1	49	20.35	20.56	20.41		
20	16QAM	1	99	20.46	20.52	20.41	21	3
20	16QAM	50	0	19.47	19.61	19.47		
20	16QAM	50	24	19.43	19.57	19.40		
20	16QAM	50	50	19.43	19.50	19.36		
20	16QAM	100	0	19.57	19.65	19.63	24	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	23	1
15	QPSK	1	0	22.39	22.50	22.38		
15	QPSK	1	37	22.34	22.43	22.29	23	1
15	QPSK	1	74	22.31	22.42	22.32		
15	QPSK	36	0	21.45	21.46	21.35		
15	QPSK	36	20	21.34	21.43	21.28		
15	QPSK	36	39	21.26	21.37	21.25	22	2
15	QPSK	75	0	21.51	21.56	21.55		
15	16QAM	1	0	21.42	21.45	21.39		
15	16QAM	1	37	21.38	21.34	21.35		
15	16QAM	1	74	21.40	21.44	21.24	21	3
15	16QAM	36	0	20.52	20.46	20.31		
15	16QAM	36	20	20.20	20.47	20.37		
15	16QAM	36	39	20.38	20.50	20.35		
15	16QAM	75	0	20.45	20.53	20.46	21	2
15	16QAM	1	0	20.47	20.42	20.30		
15	16QAM	1	37	20.20	20.48	20.30		
15	16QAM	1	74	20.43	20.35	20.29		
15	16QAM	36	0	19.42	19.50	19.32	20	3
15	16QAM	36	20	19.37	19.51	19.25		
15	16QAM	36	39	19.26	19.35	19.30		
15	16QAM	75	0	19.50	19.56	19.58		
Channel				20800	21100	21400	24	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.41	22.49	22.47	23	1
10	QPSK	1	25	22.32	22.45	22.37		
10	QPSK	1	49	22.23	22.41	22.34		
10	QPSK	25	0	21.37	21.45	21.37		
10	QPSK	25	12	21.28	21.41	21.34	23	1
10	QPSK	25	25	21.31	21.36	21.19		
10	QPSK	50	0	21.52	21.49	21.45		
10	16QAM	1	0	21.43	21.39	21.44		
10	16QAM	1	25	21.38	21.36	21.33	22	2
10	16QAM	1	49	21.35	21.45	21.28		
10	16QAM	25	0	20.43	20.45	20.38		
10	16QAM	25	12	20.20	20.55	20.32		
10	16QAM	25	25	20.41	20.48	20.33	22	2
10	16QAM	50	0	20.46	20.42	20.52		
10	16QAM	1	0	20.52	20.45	20.32		
10	16QAM	1	25	20.28	20.47	20.28		
10	16QAM	1	49	20.37	20.47	20.27	21	3
10	16QAM	25	0	19.44	19.50	19.35		
10	16QAM	25	12	19.27	19.54	19.28		
10	16QAM	25	25	19.32	19.39	19.25		
10	16QAM	50	0	19.49	19.49	19.48	24	0
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5	23	1
5	QPSK	1	0	22.40	22.44	22.43		
5	QPSK	1	12	22.29	22.39	22.30	23	1
5	QPSK	1	24	22.29	22.34	22.32		
5	QPSK	12	0	21.37	21.51	21.34		
5	QPSK	12	7	21.33	21.45	21.35		
5	QPSK	12	13	21.38	21.34	21.20	23	1
5	QPSK	25	0	21.57	21.56	21.44		
5	16QAM	1	0	21.44	21.45	21.33		
5	16QAM	1	12	21.30	21.41	21.40		
5	16QAM	1	24	21.35	21.36	21.23	22	2
5	16QAM	12	0	20.43	20.49	20.40		
5	16QAM	12	7	20.24	20.54	20.28		
5	16QAM	12	13	20.38	20.49	20.37		
5	16QAM	25	0	20.45	20.51	20.57	22	2
5	16QAM	1	0	20.40	20.49	20.40		
5	16QAM	1	12	20.31	20.45	20.37		
5	16QAM	1	24	20.43	20.46	20.31		
5	16QAM	12	0	19.41	19.56	19.43	21	3
5	16QAM	12	7	19.31	19.47	19.24		
5	16QAM	12	13	19.30	19.43	19.31		
5	16QAM	25	0	19.50	19.59	19.54		

Band 12 Ant4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.49	22.54	22.48	23	0
10	QPSK	1	25	22.42	22.51	22.46		
10	QPSK	1	49	22.46	22.49	22.45		
10	QPSK	25	0	21.58	21.62	21.47		
10	QPSK	25	12	21.41	21.61	21.38	22	1
10	QPSK	25	25	21.51	21.54	21.45		
10	QPSK	50	0	21.56	21.59	21.54		
10	16QAM	1	0	21.83	21.91	21.68		
10	16QAM	1	25	21.82	21.72	21.87	22	1
10	16QAM	1	49	21.78	21.74	21.76		
10	16QAM	25	0	20.57	20.61	20.42		
10	16QAM	25	12	20.37	20.60	20.45		
10	16QAM	25	25	20.51	20.50	20.48	21	2
10	16QAM	50	0	20.55	20.58	20.54		
10	16QAM	1	0	20.81	20.81	20.80		
10	16QAM	1	25	20.74	20.71	20.70		
10	16QAM	1	49	20.67	20.75	20.72	21	2
10	16QAM	25	0	19.60	19.62	19.43		
10	16QAM	25	12	19.48	19.55	19.48		
10	16QAM	25	25	19.53	19.51	19.53		
10	16QAM	50	0	19.53	19.58	19.44	20	3
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.47	22.51	22.49	23	0
5	QPSK	1	12	22.31	22.45	22.28		
5	QPSK	1	24	22.34	22.28	22.26		
5	QPSK	12	0	21.50	21.58	21.30		
5	QPSK	12	7	21.38	21.53	21.33	22	1
5	QPSK	12	13	21.41	21.45	21.31		
5	QPSK	25	0	21.41	21.59	21.52		
5	16QAM	1	0	21.75	21.85	21.47		
5	16QAM	1	12	21.77	21.66	21.82	22	1
5	16QAM	1	24	21.74	21.71	21.65		
5	16QAM	12	0	20.54	20.40	20.27		
5	16QAM	12	7	20.30	20.67	20.25		
5	16QAM	12	13	20.48	20.50	20.49	21	2
5	16QAM	25	0	20.38	20.53	20.33		
5	16QAM	1	0	20.75	20.62	20.66		
5	16QAM	1	12	20.60	20.66	20.53		
5	16QAM	1	24	20.66	20.60	20.61	21	2
5	16QAM	12	0	19.39	19.60	19.44		
5	16QAM	12	7	19.35	19.50	19.26		
5	16QAM	12	13	19.38	19.43	19.33		
5	16QAM	25	0	19.34	19.46	19.37	20	3
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	22.31	22.52	22.37	23	0
3	QPSK	1	8	22.42	22.46	22.27		
3	QPSK	1	14	22.32	22.28	22.31		
3	QPSK	8	0	21.46	21.63	21.37		
3	QPSK	8	4	21.37	21.41	21.29	22	1
3	QPSK	8	7	21.52	21.36	21.39		
3	QPSK	15	0	21.58	21.44	21.55		
3	16QAM	1	0	21.71	21.85	21.61		
3	16QAM	1	8	21.71	21.54	21.85	22	1
3	16QAM	1	14	21.56	21.59	21.69		
3	16QAM	8	0	20.49	20.47	20.41		
3	16QAM	8	4	20.35	20.51	20.23		
3	16QAM	8	7	20.35	20.33	20.35	21	2
3	16QAM	15	0	20.51	20.40	20.54		
3	16QAM	1	0	20.70	20.81	20.61		
3	16QAM	1	8	20.72	20.58	20.55		
3	16QAM	1	14	20.53	20.67	20.59	21	2
3	16QAM	8	0	19.59	19.42	19.23		
3	16QAM	8	4	19.33	19.37	19.29		
3	16QAM	8	7	19.47	19.39	19.48		
3	16QAM	15	0	19.44	19.38	19.35	20	3
Channel				23017	23095	23172		
Frequency (MHz)				699.7 <th>707.5</th> <th>715.2</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	707.5	715.2	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.31	22.52	22.21	23	0
1.4	QPSK	1	3	22.25	22.28	22.28		
1.4	QPSK	1	5	22.25	22.29	22.26		
1.4	QPSK	3	0	22.11	22.50	22.16		
1.4	QPSK	3	1	22.35	22.28	22.21	22	1
1.4	QPSK	3	3	22.33	22.19	22.24		
1.4	QPSK	6	0	21.27	21.62	21.32		
1.4	16QAM	1	0	21.31	21.33	21.14		
1.4	16QAM	1	3	21.44	21.34	21.35	22	1
1.4	16QAM	1	5	21.56	21.43	21.37		
1.4	16QAM	3	0	21.66	21.73	21.62		
1.4	16QAM	3	1	21.63	21.43	21.68		
1.4	16QAM	3	3	21.35	21.46	21.66	21	2
1.4	16QAM	6	0	20.40	20.49	20.33		
1.4	16QAM	1	0	20.36	20.44	20.08		
1.4	16QAM	1	3	20.18	20.12	20.18		
1.4	16QAM	3	0	20.49	20.46	20.35	21	2
1.4	16QAM	3	1	20.51	20.64	20.35		
1.4	16QAM	3	3	20.74	20.39	20.33		
1.4	16QAM	3	5	20.45	20.54	20.41		
1.4	16QAM	6	0	19.27	19.31	19.33	20	3

Band 14 Ant4									
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				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
10	QPSK	1	0	22.22	22.28	22.23	23	0	
10	QPSK	1	25	22.28	22.22	22.23			
10	QPSK	1	49	22.22	22.22	22.23			
10	QPSK	25	0	21.18	21.14	21.14	22	1	
10	QPSK	25	12	21.14	21.12	21.12			
10	QPSK	25	25	21.12	21.12	21.12			
10	QPSK	50	0	21.52	21.50	21.50	22	1	
10	16QAM	1	0	21.58	21.58	21.58			
10	16QAM	1	25	21.52	21.52	21.52			
10	16QAM	1	49	21.50	21.50	21.50	21	2	
10	16QAM	25	0	20.23	20.23	20.23			
10	16QAM	25	12	20.23	20.23	20.23			
10	16QAM	25	25	20.21	20.21	20.21	21	2	
10	16QAM	50	0	20.29	20.29	20.29			
10	64QAM	1	0	20.41	20.41	20.41			
10	64QAM	1	25	20.39	20.39	20.39	21	2	
10	64QAM	1	49	20.35	20.35	20.35			
10	64QAM	25	0	19.27	19.27	19.27			
10	64QAM	25	12	19.25	19.25	19.25	20	3	
10	64QAM	25	25	19.17	19.17	19.17			
10	64QAM	50	0	19.30	19.30	19.30			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	22.22	22.28	22.23	23	0	
5	QPSK	1	12	22.16	22.21	22.24			
5	QPSK	1	24	22.11	22.22	22.05			
5	QPSK	12	0	21.14	21.02	21.01	22	1	
5	QPSK	12	7	21.13	20.96	21.05			
5	QPSK	12	13	20.94	21.12	20.98			
5	QPSK	25	0	21.25	21.23	21.17	22	1	
5	16QAM	1	0	21.58	21.57	21.45			
5	16QAM	1	12	21.41	21.41	21.37			
5	16QAM	1	24	21.29	21.40	21.33	21	2	
5	16QAM	12	0	20.21	20.14	20.20			
5	16QAM	12	7	20.17	20.18	20.23			
5	16QAM	12	13	20.20	20.13	20.11	21	2	
5	16QAM	25	0	20.27	20.13	20.27			
5	64QAM	1	0	20.25	20.19	20.20			
5	64QAM	1	12	20.18	20.27	20.19	21	2	
5	64QAM	1	24	20.18	20.37	20.29			
5	64QAM	12	0	19.18	19.14	19.06			
5	64QAM	12	7	19.07	19.25	19.13	20	3	
5	64QAM	12	13	19.12	19.10	18.97			
5	64QAM	25	0	19.18	19.09	19.31			

Band 17 Ant4									
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				23780	23790	23800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.45	22.49	22.41	23	0	
10	QPSK	1	25	22.42	22.46	22.35			
10	QPSK	1	49	22.45	22.42	22.41			
10	QPSK	25	0	21.47	21.65	21.44	22	1	
10	QPSK	25	12	21.51	21.55	21.53			
10	QPSK	25	25	21.58	21.59	21.60			
10	QPSK	50	0	21.60	21.66	21.63	22	1	
10	16QAM	1	0	21.55	21.80	21.56			
10	16QAM	1	25	21.63	21.71	21.44			
10	16QAM	1	49	21.64	21.75	21.49	21	2	
10	16QAM	25	0	20.53	20.67	20.50			
10	16QAM	25	12	20.63	20.52	20.42			
10	16QAM	25	25	20.67	20.58	20.51	21	2	
10	16QAM	50	0	20.61	20.62	20.58			
10	64QAM	1	0	20.73	20.74	20.67			
10	64QAM	1	25	20.69	20.71	20.61	21	2	
10	64QAM	1	49	20.68	20.71	20.62			
10	64QAM	25	0	19.57	19.63	19.53			
10	64QAM	25	12	19.59	19.56	19.55	20	3	
10	64QAM	25	25	19.63	19.69	19.67			
10	64QAM	50	0	19.61	19.65	19.59			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				708.5	710	713.5			
5	QPSK	1	0	22.41	22.46	22.41	23	0	
5	QPSK	1	12	22.40	22.39	22.24			
5	QPSK	1	24	22.28	22.29	22.27			
5	QPSK	12	0	21.38	21.53	21.40	22	1	
5	QPSK	12	7	21.37	21.47	21.44			
5	QPSK	12	13	21.37	21.38	21.57			
5	QPSK	25	0	21.55	21.48	21.50	22	1	
5	16QAM	1	0	21.55	21.67	21.35			
5	16QAM	1	12	21.52	21.56	21.37			
5	16QAM	1	24	21.47	21.60	21.31	21	2	
5	16QAM	12	0	20.51	20.45	20.28			
5	16QAM	12	7	20.46	20.51	20.40			
5	16QAM	12	13	20.53	20.57	20.51	21	2	
5	16QAM	25	0	20.42	20.54	20.38			
5	64QAM	1	0	20.59	20.63	20.66			
5	64QAM	1	12	20.50	20.58	20.57	21	2	
5	64QAM	1	24	20.60	20.53	20.41			
5	64QAM	12	0	19.43	19.57	19.38			
5	64QAM	12	7	19.39	19.43	19.54	20	3	
5	64QAM	12	13	19.42	19.60	19.46			
5	64QAM	25	0	19.51	19.50	19.37			

Band 25 Ant4									
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				26140	26340	26590	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	21.07	21.27	21.21	22	0	
20	QPSK	1	49	20.95	21.26	21.15			
20	QPSK	1	99	20.90	21.24	21.11			
20	QPSK	50	0	20.06	20.27	20.22	21	1	
20	QPSK	50	24	20.01	20.25	20.23			
20	QPSK	50	50	19.99	20.23	20.10			
20	QPSK	100	0	20.02	20.31	20.28	21	1	
20	16QAM	1	0	20.24	20.43	20.27			
20	16QAM	1	49	20.16	20.42	20.13			
20	16QAM	1	99	20.07	20.42	20.20	21	1	
20	16QAM	50	0	19.13	19.25	19.29			
20	16QAM	50	24	18.89	19.35	19.33			
20	16QAM	50	50	19.02	19.23	19.09	20	2	
20	16QAM	100	0	19.12	19.32	19.17			
20	64QAM	1	0	19.17	19.33	19.18			
20	64QAM	1	49	18.85	19.17	19.15	20	2	
20	64QAM	1	99	18.84	19.24	19.04			
20	64QAM	50	0	18.22	18.26	18.24			
20	64QAM	50	24	18.21	18.34	18.22	19	3	
20	64QAM	50	50	18.10	18.15	18.12			
20	64QAM	100	0	18.20	18.29	18.36			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	21.02	21.24	21.22	22	0	
15	QPSK	1	37	20.92	21.24	21.14			
15	QPSK	1	74	20.90	21.20	21.07			
15	QPSK	36	0	20.07	20.26	20.05	21	1	
15	QPSK	36	20	19.91	20.06	20.08			
15	QPSK	36	39	19.98	20.12	20.11			
15	QPSK	75	0	19.99	20.31	20.20	21	1	
15	16QAM	1	0	20.24	20.31	20.09			
15	16QAM	1	37	20.06	20.22	20.13			
15	16QAM	1	74	20.01	20.42	20.11	20	2	
15	16QAM	36	0	18.95	19.11	19.14			
15	16QAM	36	20	18.86	19.35	19.17			
15	16QAM	36	39	18.87	19.13	18.94	20	2	
15	16QAM	75	0	19.04	19.25	18.98			
15	64QAM	1	0	19.04	19.20	19.08			
15	64QAM	1	37	18.98	19.16	19.13	20	2	
15	64QAM	1	74	19.93	19.07	18.97			
15	64QAM	36	0	18.10	18.17	18.12			
15	64QAM	36	20	18.14	18.24	18.14	19	3	
15	64QAM	36	39	17.91	18.14	17.96			
15	64QAM	75	0	18.14	18.17	18.36			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	20.92	21.21	21.08	22	0	
10	QPSK	1	25	20.92	21.21	20.96			
10	QPSK	1	49	20.83	21.09	20.23			
10	QPSK	25	0	19.92	20.08	20.12	21	1	
10	QPSK	25	12	19.88	20.16	20.24			
10	QPSK	25	25	19.90	20.20	19.97			
10	QPSK	50	0	19.96	20.13	20.18	21	1	
10	16QAM	1	0	20.20	20.23	20.10			
10	16QAM	1	25	20.18	20.26	19.99			
10	16QAM	1	49	20.07	20.42	20.09	20	2	
10	16QAM	25	0	18.91	19.20	19.22			
10	16QAM	25	12	19.00	19.36	19.23			
10	16QAM	25	25	19.04	19.12	18.99	20	2	
10	16QAM	50	0	19.00	19.31	19.13			
10	64QAM	1	0	19.02	19.24	19.12			
10	64QAM	1	25	18.79	18.96	19.16	20	2	
10	64QAM	1	49	18.85	19.20	18.88			
10	64QAM	25	0	18.19	18.18	18.05			
10	64QAM	25	12	18.08	18.26	18.17	19	3	
10	64QAM	25	25	17.98	18.15	18.12			
10	64QAM	50	0	18.14	18.14	18.37			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	20.87	21.22	21.09	22	0	
5	QPSK	1	12	20.74	21.15	20.96			
5	QPSK	1	24	20.81	21.17	20.97			
5	QPSK	12	0	20.00	20.12	20.18	21	1	
5	QPSK	12	7	19.93	20.03	20.09			
5	QPSK	12	13	19.87	20.15	20.04			
5	QPSK	25	0	19.92	20.16	20.30	21	1	
5	16QAM	1	0	20.12	20.44	20.20			
5	16QAM	1	12	20.00	20.26	19.98			
5	16QAM	1	24	19.94	20.25	20.09	20	2	
5	16QAM	12	0	19.07	19.10	19.30			
5	16QAM	12	7	18.85	19.27	19.23			
5	16QAM	12	13	18.81	19.24	18.91	19	3	
5	16QAM	25	0	19.05	19.11	19.14			
5	64QAM	1	0	19.11	19.11	19.15			
5	64QAM	1	12	18.93	19.03	19.02	20	2	
5	64QAM	1	24	18.92	19.10	18.85			
5	64QAM	12	0	18.15	18.16	18.09			
5	64QAM	12	7	18.08	18.30	18.12	19	3	
5	64QAM	12	13	18.04	17.97	18.03			
5	64QAM	25	0	18.08	18.17	18.14			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	20.92	21.21	21.10	22	0	
3	QPSK	1	8	20.89	21.19	20.98			
3	QPSK	1	14	20.90	21.08	20.99			
3	QPSK	8	0	19.95	20.08	20.16	21	1	
3	QPSK	8	4	19.92	20.23	20.20			
3	QPSK	8	7	19.77	20.12	20.02			
3	QPSK	15	0	19.84	20.11	20.10	21	1	
3	16QAM	1	0	20.18	20.38	20.26			
3	16QAM	1	8	19.99	20.37	20.04			
3	16QAM	1	14	19.91	20.34	20.16	20	2	
3	16QAM	8	0	19.12	19.14	19.23			
3	16QAM	8	4	19.06	19.32	19.26			
3	16QAM	8	7	19.03	19.22	19.06	20	2	
3	16QAM	15	0	18.99	19.15	19.09			
3	64QAM	1	0	19.12	19.20	19.14			
3	64QAM	1	8	18.92	19.17	18.93	20	2	
3	64QAM	1	14	18.95	19.04	18.84			
3	64QAM	8	0	18.20	18.19	18.16			
3	64QAM	8	4	18.15	18.22	18.18	19	3	
3	64QAM	8	7	18.12	18.07	17.95			
3	64QAM	15	0	18.09	18.28	18.27			
Channel				26045	26340	26693	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	20.85	21.24	21.06	22	0	
1.4	QPSK	1	3	20.74	21.09	21.06			
1.4	QPSK	1	5	20.91	21.08	20.97			
1.4	QPSK	3	0	20.92	21.23	21.08	21	1	
1.4	QPSK	3	1	20.74	21.04	21.07			
1.4	QPSK	3	3	20.92	21.18	21.00			
1.4	QPSK	6	0	19.93	20.23	20.05	21	1	
1.4	16QAM	1	0	19.80	20.23	20.23			
1.4	16QAM	1	3	19.81	20.14	20.09			
1.4	16QAM	1	5	19.80	20.27	20.17	21	1	
1.4	16QAM	3	0	20.05	20.34	20.16			
1.4	16QAM	3	1	20.18	20.27	20.04			
1.4	16QAM	3	3	20.06	20.33	20.06	20	2	
1.4	16QAM	6	0	18.94	19.22	19.29			
1.4	64QAM	1	0	19.01	19.19	19.11			
1.4	64QAM	1	3	18.92	19.17	19.00	20	2	
1.4	64QAM	1	5	18.96	19.15	19.00			
1.4	64QAM	3	0	19.15	19.27	19.14			
1.4	64QAM	3	1	19.01	19.12	19.05	19	3	
1.4	64QAM	3	3	18.97	19.19	18.93			
1.4	64QAM	6	0	18.09	18.17	18.14			

Band 26 Ant4 for FCC											
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)				821.5	831.5	841.5					
15	QPSK	1	0	22.22	22.38	22.18	23	0			
15	QPSK	1	37	22.23	22.34	22.17					
15	QPSK	1	74	22.15	22.31	22.12					
15	QPSK	36	0	21.13	21.32	21.13	22	1			
15	QPSK	36	20	21.13	21.25	21.17					
15	QPSK	36	39	21.20	21.30	21.14					
15	QPSK	75	0	21.12	21.28	21.12	22	1			
15	16QAM	1	0	21.32	21.35	21.14					
15	16QAM	1	37	21.29	21.31	21.14					
15	16QAM	1	74	21.07	21.33	21.16	21	2			
15	16QAM	36	0	20.15	20.22	20.10					
15	16QAM	36	20	20.11	20.17	20.14					
15	16QAM	36	39	20.11	20.18	20.14	21	2			
15	16QAM	75	0	20.21	20.29	20.18					
15	64QAM	1	0	20.25	20.39	20.22					
15	64QAM	1	37	20.30	20.34	20.27	21	2			
15	64QAM	1	74	20.14	20.22	20.03					
15	64QAM	36	0	19.23	19.27	19.21					
15	64QAM	36	20	19.13	19.14	19.18	20	3			
15	64QAM	36	39	19.22	19.24	19.12					
15	64QAM	75	0	19.18	19.29	19.12					
Channel											
Frequency (MHz)				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	22.03	22.35	22.14	23	0			
10	QPSK	1	25	22.03	22.21	22.16					
10	QPSK	1	49	22.11	22.29	22.00					
10	QPSK	25	0	21.01	21.20	21.12	22	1			
10	QPSK	25	12	21.14	21.24	21.10					
10	QPSK	25	25	21.12	21.12	20.94					
10	QPSK	50	0	20.91	21.14	21.08	22	1			
10	16QAM	1	0	21.24	21.32	21.04					
10	16QAM	1	25	21.16	21.20	21.12					
10	16QAM	1	49	21.07	21.29	20.95	21	2			
10	16QAM	25	0	20.13	20.21	20.06					
10	16QAM	25	12	20.10	20.18	19.94					
10	16QAM	25	25	20.11	20.10	19.93	21	2			
10	16QAM	50	0	20.09	20.16	20.07					
10	64QAM	1	0	20.23	20.19	20.21					
10	64QAM	1	25	20.28	20.17	20.26	21	2			
10	64QAM	1	49	19.96	20.06	20.00					
10	64QAM	25	0	19.21	19.17	19.00					
10	64QAM	25	12	19.08	19.13	19.12	20	3			
10	64QAM	25	25	19.05	19.21	19.95					
10	64QAM	50	0	19.12	19.16	19.13					
Channel											
Frequency (MHz)				26715	26865	27015			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	22.10	22.37	22.18	23	0			
5	QPSK	1	12	22.03	22.18	22.01					
5	QPSK	1	24	21.99	22.12	21.93					
5	QPSK	12	0	21.08	21.22	21.01	22	1			
5	QPSK	12	7	20.95	21.03	21.13					
5	QPSK	12	13	21.21	21.20	20.97					
5	QPSK	25	0	21.07	21.24	20.92	22	1			
5	16QAM	1	0	21.27	21.29	20.94					
5	16QAM	1	12	21.24	21.29	21.12					
5	16QAM	1	24	21.04	21.20	21.08	21	2			
5	16QAM	12	0	20.15	20.14	20.03					
5	16QAM	12	7	20.09	19.97	20.12					
5	16QAM	12	13	20.03	20.10	19.99	21	2			
5	16QAM	25	0	20.06	20.07	20.01					
5	64QAM	1	0	20.17	20.36	20.10					
5	64QAM	1	12	20.24	20.12	20.28	21	2			
5	64QAM	1	24	20.11	20.18	19.93					
5	64QAM	12	0	19.02	19.21	19.21					
5	64QAM	12	7	18.96	19.05	19.02	20	3			
5	64QAM	12	13	19.07	19.10	19.07					
5	64QAM	25	0	19.03	19.08	18.90					
Channel											
Frequency (MHz)				26705	26865	27025			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	22.05	22.32	22.11	23	0			
3	QPSK	1	8	22.12	22.27	22.01					
3	QPSK	1	14	22.05	22.09	21.92					
3	QPSK	8	0	21.03	21.28	21.05	22	1			
3	QPSK	8	4	21.04	21.10	21.14					
3	QPSK	8	7	21.08	21.09	21.00					
3	QPSK	15	0	21.06	21.16	20.95	22	1			
3	16QAM	1	0	21.13	21.19	21.08					
3	16QAM	1	8	21.09	21.26	20.93					
3	16QAM	1	14	20.91	21.32	21.05	21	2			
3	16QAM	8	0	20.01	20.09	20.00					
3	16QAM	8	4	19.92	19.95	19.96					
3	16QAM	8	7	19.92	20.11	20.05	21	2			
3	16QAM	15	0	20.07	20.14	20.15					
3	64QAM	1	0	20.19	20.32	20.16					
3	64QAM	1	8	20.14	20.19	20.14	21	2			
3	64QAM	1	14	20.11	20.08	19.98					
3	64QAM	8	0	19.05	19.25	19.04					
3	64QAM	8	4	19.12	19.00	19.06	20	3			
3	64QAM	8	7	19.05	19.07	19.11					
3	64QAM	15	0	19.00	19.30	18.92					
Channel											
Frequency (MHz)				26697	26865	27033			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	22.17	22.32	21.99	23	0			
1.4	QPSK	1	3	22.24	22.33	21.96					
1.4	QPSK	1	5	22.16	22.21	21.95					
1.4	QPSK	3	0	22.12	22.27	22.05	22	1			
1.4	QPSK	3	1	22.11	22.19	22.16					
1.4	QPSK	3	3	22.06	22.12	22.01					
1.4	QPSK	6	0	20.93	21.22	20.94	22	1			
1.4	16QAM	1	0	20.84	21.02	21.12					
1.4	16QAM	1	3	20.89	20.87	20.97					
1.4	16QAM	1	5	21.04	20.96	20.90	22	1			
1.4	16QAM	3	0	21.08	21.19	20.91					
1.4	16QAM	3	1	20.97	21.17	20.85					
1.4	16QAM	3	3	20.73	21.17	21.01	21	2			
1.4	16QAM	6	0	19.99	20.11	19.91					
1.4	64QAM	1	0	20.05	19.92	20.03					
1.4	64QAM	1	3	20.05	19.95	19.95	21	2			
1.4	64QAM	1	5	19.91	20.09	19.97					
1.4	64QAM	3	0	20.04	20.22	20.11					
1.4	64QAM	3	1	20.10	20.12	20.09	21	2			
1.4	64QAM	3	3	19.96	20.11	19.95					
1.4	64QAM	6	0	18.94	19.13	19.09					

Band 30 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		22.43		23	0	
10	QPSK	1	25	22.40					
10	QPSK	1	49	22.39					
10	QPSK	25	0		21.48		22	1	
10	QPSK	25	12	21.43					
10	QPSK	25	25	21.41					
10	QPSK	50	0		21.51		22	1	
10	16QAM	1	0	21.41					
10	16QAM	1	25	21.40					
10	16QAM	1	49	21.41			21	2	
10	16QAM	25	0	20.55					
10	16QAM	25	12	20.46					
10	16QAM	25	25	20.38			21	2	
10	16QAM	50	0	20.53					
10	64QAM	1	0	20.50					
10	64QAM	1	25	20.42			21	2	
10	64QAM	1	49	20.44					
10	64QAM	25	0	19.43					
10	64QAM	25	12	19.49			20	3	
10	64QAM	25	25	19.37					
10	64QAM	50	0	19.52					
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.27	22.38	22.33	23	0	
5	QPSK	1	12	22.33	22.25	22.36			
5	QPSK	1	24	22.25	22.23	22.34			
5	QPSK	12	0	21.41	21.44	21.34	22	1	
5	QPSK	12	7	21.31	21.28	21.27			
5	QPSK	12	13	21.28	21.24	21.39			
5	QPSK	25	0	21.36	21.44	21.36	22	1	
5	16QAM	1	0	21.26	21.28	21.29			
5	16QAM	1	12	21.35	21.37	21.27			
5	16QAM	1	24	21.29	21.26	21.35	21	2	
5	16QAM	12	0	20.43	20.41	20.38			
5	16QAM	12	7	20.40	20.41	20.33			
5	16QAM	12	13	20.34	20.33	20.30	21	2	
5	16QAM	25	0	20.40	20.39	20.46			
5	64QAM	1	0	20.35	20.45	20.40			
5	64QAM	1	12	20.33	20.33	20.26	21	2	
5	64QAM	1	24	20.29	20.37	20.30			
5	64QAM	12	0	19.40	19.30	19.32			
5	64QAM	12	7	19.33	19.41	19.34	20	3	
5	64QAM	12	13	19.27	19.33	19.34			
5	64QAM	25	0	19.41	19.42	19.47			

Band 71 Ant4											
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				133222	133322	133372					
Frequency (MHz)				673	683	688					
20	QPSK	1	0	22.49	22.54	22.43	23	0			
20	QPSK	1	49	22.40	22.51	22.39					
20	QPSK	1	99	22.41	22.50	22.36					
20	QPSK	50	0	21.74	21.77	21.72	22	1			
20	QPSK	50	24	21.55	21.60	21.68					
20	QPSK	50	50	21.55	21.58	21.44					
20	QPSK	100	0	21.62	21.67	21.60	22	1			
20	16QAM	1	0	21.70	21.75	21.64					
20	16QAM	1	49	21.59	21.70	21.57					
20	16QAM	1	99	21.86	21.62	21.67	21	2			
20	16QAM	50	0	20.63	20.72	20.65					
20	16QAM	50	24	20.66	20.56	20.58					
20	16QAM	50	50	20.66	20.70	20.35	21	2			
20	16QAM	100	0	20.65	20.68	20.52					
20	64QAM	1	0	20.62	20.76	20.70					
20	64QAM	1	49	20.56	20.61	20.48	21	2			
20	64QAM	1	99	20.58	20.63	20.59					
20	64QAM	50	0	19.71	19.71	19.69					
20	64QAM	50	24	19.47	19.60	19.63	20	3			
20	64QAM	50	50	19.55	19.68	19.38					
20	64QAM	100	0	19.70	19.70	19.65					
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	22.45	22.53	22.30	23	0			
15	QPSK	1	37	22.37	22.29	22.21					
15	QPSK	1	74	22.38	22.47	22.29					
15	QPSK	36	0	21.53	21.68	21.71	22	1			
15	QPSK	36	20	21.47	21.43	21.47					
15	QPSK	36	39	21.54	21.40	21.40					
15	QPSK	75	0	21.57	21.67	21.39	22	1			
15	16QAM	1	0	21.63	21.60	21.51					
15	16QAM	1	37	21.56	21.65	21.37					
15	16QAM	1	74	21.55	21.61	21.63	21	2			
15	16QAM	36	0	20.56	20.60	20.43					
15	16QAM	36	20	20.66	20.36	20.48					
15	16QAM	36	39	20.62	20.58	20.43	21	2			
15	16QAM	75	0	20.44	20.63	20.46					
15	64QAM	1	0	20.52	20.58	20.68					
15	64QAM	1	37	20.42	20.52	20.34	20	3			
15	64QAM	1	74	20.37	20.43	20.51					
15	64QAM	36	0	19.70	19.67	19.55					
15	64QAM	36	20	19.42	19.42	19.46	20	3			
15	64QAM	36	39	19.55	19.54	19.38					
15	64QAM	75	0	19.68	19.54	19.63					
Channel				133172	133272	133422	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				688	678	693					
10	QPSK	1	0	22.35	22.47	22.28	23	0			
10	QPSK	1	25	22.23	22.36	22.40					
10	QPSK	1	49	22.32	22.30	22.15					
10	QPSK	25	0	21.55	21.64	21.50	22	1			
10	QPSK	25	12	21.56	21.59	21.46					
10	QPSK	25	25	21.53	21.56	21.39					
10	QPSK	50	0	21.53	21.48	21.42	22	1			
10	16QAM	1	0	21.58	21.73	21.46					
10	16QAM	1	25	21.56	21.68	21.40					
10	16QAM	1	49	21.58	21.59	21.54	21	2			
10	16QAM	25	0	20.58	20.71	20.50					
10	16QAM	25	12	20.62	20.52	20.48					
10	16QAM	25	25	20.53	20.54	20.41	21	2			
10	16QAM	50	0	20.66	20.50	20.52					
10	64QAM	1	0	20.52	20.57	20.51					
10	64QAM	1	25	20.42	20.52	20.38	20	3			
10	64QAM	1	49	20.55	20.47	20.45					
10	64QAM	25	0	19.66	19.63	19.47					
10	64QAM	25	12	19.46	19.57	19.56	20	3			
10	64QAM	25	25	19.46	19.64	19.38					
10	64QAM	50	0	19.68	19.50	19.51					
Channel				133147	133247	133447	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				665.5	675.5	695.5					
5	QPSK	1	0	22.37	22.47	22.38	23	0			
5	QPSK	1	12	22.37	22.34	22.24					
5	QPSK	1	24	22.29	22.36	22.18					
5	QPSK	12	0	21.60	21.71	21.64	22	1			
5	QPSK	12	7	21.37	21.41	21.58					
5	QPSK	12	13	21.47	21.59	21.31					
5	QPSK	25	0	21.47	21.57	21.50	22	1			
5	16QAM	1	0	21.69	21.65	21.63					
5	16QAM	1	12	21.52	21.59	21.43					
5	16QAM	1	24	21.63	21.63	21.60	21	2			
5	16QAM	12	0	20.62	20.55	20.48					
5	16QAM	12	7	20.61	20.46	20.39					
5	16QAM	12	13	20.54	20.58	20.31	21	2			
5	16QAM	25	0	20.57	20.54	20.30					
5	64QAM	1	0	20.50	20.77	20.59					
5	64QAM	1	12	20.37	20.47	20.45	21	2			
5	64QAM	1	24	20.44	20.48	20.44					
5	64QAM	12	0	19.69	19.66	19.54					
5	64QAM	12	7	19.29	19.60	19.64	20	3			
5	64QAM	12	13	19.44	19.53	19.37					
5	64QAM	25	0	19.63	19.56	19.53					

Band 41 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.27	19.36	19.62	19.54	19.51	20.5	0
20	QPSK	1	49	19.26	19.30	19.57	19.47	19.49		
20	QPSK	1	99	19.26	19.32	19.54	19.42	19.49		
20	QPSK	50	0	18.25	18.32	18.71	18.46	18.47		
20	QPSK	50	24	18.22	18.27	18.57	18.48	18.47	19.5	1
20	QPSK	50	50	18.24	18.32	18.42	18.43	18.43		
20	QPSK	100	0	18.31	18.42	18.69	18.55	18.55		
20	16QAM	1	0	18.24	18.31	18.64	18.42	18.55		
20	16QAM	1	49	18.25	18.26	18.54	18.52	18.38	19.5	1
20	16QAM	1	99	18.20	18.29	18.48	18.48	18.44		
20	16QAM	50	0	17.20	17.23	17.62	17.56	17.36		
20	16QAM	50	24	17.16	17.22	17.46	17.44	17.55		
20	16QAM	50	50	17.18	17.18	17.35	17.42	17.34	18.5	2
20	16QAM	100	0	17.20	17.34	17.70	17.47	17.45		
20	64QAM	1	0	16.90	16.92	17.24	17.10	17.15		
20	64QAM	1	49	16.90	16.89	17.18	17.26	17.00		
20	64QAM	1	99	16.92	16.96	17.17	17.26	17.04	18.5	2
20	64QAM	50	0	16.28	16.31	16.67	16.42	16.32		
20	64QAM	50	24	16.23	16.17	16.44	16.36	16.42		
20	64QAM	50	50	16.22	16.22	16.37	16.37	16.34		
20	64QAM	100	0	16.25	16.33	16.57	16.38	16.33	17.5	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.15	19.25	19.57	19.40	19.42	20.5	0
15	QPSK	1	37	19.17	19.14	19.47	19.38	19.36		
15	QPSK	1	74	19.14	19.21	19.41	19.26	19.40		
15	QPSK	36	0	18.18	18.19	18.63	18.41	18.42		
15	QPSK	36	20	18.18	18.14	18.51	18.32	18.43	19.5	1
15	QPSK	36	39	18.16	18.24	18.30	18.37	18.37		
15	QPSK	75	0	18.28	18.35	18.53	18.51	18.48		
15	16QAM	1	0	18.08	18.18	18.55	18.29	18.45		
15	16QAM	1	37	18.11	18.22	18.44	18.46	18.32	19.5	1
15	16QAM	1	74	18.05	18.18	18.40	18.37	18.40		
15	16QAM	36	0	17.05	17.11	17.50	17.45	17.32		
15	16QAM	36	20	17.10	17.16	17.34	17.31	17.52		
15	16QAM	36	39	17.14	17.13	17.22	17.25	17.25	18.5	2
15	16QAM	75	0	17.05	17.25	17.55	17.39	17.36		
15	64QAM	1	0	16.79	16.85	17.14	16.97	17.03		
15	64QAM	1	37	16.85	16.80	17.07	17.13	16.95		
15	64QAM	1	74	16.79	16.80	17.06	17.12	17.00	18.5	2
15	64QAM	36	0	16.20	16.17	16.53	16.32	16.17		
15	64QAM	36	20	16.16	16.09	16.32	16.21	16.31		
15	64QAM	36	39	16.19	16.16	16.29	16.31	16.26		
15	64QAM	75	0	16.15	16.19	16.50	16.28	16.30	17.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.11	19.28	19.55	19.42	19.47	20.5	0
10	QPSK	1	25	19.13	19.20	19.53	19.40	19.37		
10	QPSK	1	49	19.15	19.18	19.38	19.37	19.37		
10	QPSK	25	0	18.17	18.26	18.59	18.39	18.33		
10	QPSK	25	12	18.17	18.21	18.41	18.45	18.33	19.5	1
10	QPSK	25	25	18.16	18.18	18.38	18.35	18.30		
10	QPSK	50	0	18.27	18.39	18.65	18.46	18.51		
10	16QAM	1	0	18.09	18.26	18.52	18.32	18.47		
10	16QAM	1	25	18.15	18.17	18.42	18.38	18.22	19.5	1
10	16QAM	1	49	18.13	18.25	18.32	18.34	18.40		
10	16QAM	25	0	17.14	17.14	17.46	17.45	17.22		
10	16QAM	25	12	17.08	17.06	17.31	17.28	17.48		
10	16QAM	25	25	17.06	17.09	17.20	17.39	17.22	18.5	2
10	16QAM	50	0	17.16	17.28	17.61	17.31	17.33		
10	64QAM	1	0	16.83	16.87	17.18	17.00	17.02		
10	64QAM	1	25	16.84	16.75	17.11	17.17	16.95		
10	64QAM	1	49	16.79	16.79	17.09	17.13	16.87	18.5	2
10	64QAM	25	0	16.25	16.23	16.55	16.34	16.23		
10	64QAM	25	12	16.14	16.11	16.34	16.22	16.31		
10	64QAM	25	25	16.09	16.10	16.26	16.33	16.18		
10	64QAM	50	0	16.16	16.27	16.43	16.31	16.28	17.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.16	19.19	19.51	19.45	19.37	20.5	0
5	QPSK	1	12	19.10	19.19	19.42	19.37	19.34		
5	QPSK	1	24	19.10	19.23	19.43	19.27	19.44		
5	QPSK	12	0	18.15	18.27	18.59	18.34	18.44		
5	QPSK	12	7	18.17	18.15	18.44	18.39	18.33	19.5	1
5	QPSK	12	13	18.12	18.16	18.39	18.34	18.27		
5	QPSK	25	0	18.16	18.26	18.55	18.41	18.46		
5	16QAM	1	0	18.13	18.27	18.55	18.35	18.50		
5	16QAM	1	12	18.19	18.18	18.50	18.37	18.30	19.5	1
5	16QAM	1	24	18.14	18.21	18.40	18.42	18.38		
5	16QAM	12	0	17.15	17.18	17.48	17.47	17.32		
5	16QAM	12	7	17.05	17.10	17.42	17.38	17.49		
5	16QAM	12	13	17.12	17.15	17.29	17.30	17.30	18.5	2
5	16QAM	25	0	17.12	17.24	17.57	17.41	17.40		
5	64QAM	1	0	16.86	16.82	17.15	17.05	17.12		
5	64QAM	1	12	16.74	16.74	17.02	17.12	16.93		
5	64QAM	1	24	16.76	16.85	17.06	17.22	16.90	18.5	2
5	64QAM	12	0	16.20	16.21	16.52	16.38	16.27		
5	64QAM	12	7	16.07	16.04	16.40	16.24	16.33		
5	64QAM	12	13	16.14	16.16	16.32	16.30	16.22		
5	64QAM	25	0	16.08	16.25	16.47	16.32	16.16	17.5	3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.00	22.02	22.42	22.34	22.38	23.5	0
20	QPSK	1	49	22.01	22.10	22.37	22.22	22.24		
20	QPSK	1	99	22.09	22.10	22.41	22.15	22.19		
20	QPSK	50	0	21.06	21.11	21.53	21.19	21.36		
20	QPSK	50	24	21.04	21.07	21.28	21.11	21.26	22.5	1
20	QPSK	50	50	21.04	21.05	21.40	21.21	21.23		
20	QPSK	100	0	21.19	21.19	21.53	21.31	21.44		
20	16QAM	1	0	21.06	20.99	21.28	21.28	21.33		
20	16QAM	1	49	20.98	21.06	21.41	21.17	21.31	22.5	1
20	16QAM	1	99	20.99	21.01	21.26	21.29	21.13		
20	16QAM	50	0	19.96	20.06	20.26	20.17	20.21		
20	16QAM	50	24	20.02	20.13	20.38	20.04	20.36		
20	16QAM	50	50	20.03	20.05	20.26	20.14	20.22	21.5	2
20	16QAM	100	0	20.20	20.29	20.54	20.39	20.47		
20	64QAM	1	0	19.86	19.86	20.07	20.17	20.18		
20	64QAM	1	49	19.84	19.74	20.17	19.98	20.22		
20	64QAM	1	99	19.87	19.83	20.10	20.06	19.84	21.5	2
20	64QAM	50	0	19.11	19.12	19.36	19.21	19.27		
20	64QAM	50	24	19.07	19.04	19.31	19.03	19.34		
20	64QAM	50	50	19.10	19.10	19.31	19.22	19.31	20.5	3
20	64QAM	50	99	19.14	19.17	19.38	19.28	19.37		
20	64QAM	100	0	19.14	19.17	19.38	19.28	19.37		
Channel				39725	40173	40620	41068	41615	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2548.3	2593	2637.9	2682.5		
15	QPSK	1	0	21.96	21.92	22.38	22.27	22.31	23.5	0
15	QPSK	1	37	21.95	21.95	22.29	22.11	22.11		
15	QPSK	1	74	21.98	22.04	22.36	22.08	22.08		
15	QPSK	36	0	21.09	21.09	21.42	21.06	21.19		
15	QPSK	36	20	21.09	21.08	21.13	21.07	21.14	22.5	1
15	QPSK	36	39	21.00	21.02	21.24	21.05	21.07		
15	QPSK	75	0	21.06	21.12	21.36	21.23	21.32		
15	16QAM	1	0	20.92	20.94	21.13	21.12	21.20		
15	16QAM	1	37	20.90	20.98	21.25	21.02	21.25	22.5	1
15	16QAM	1	74	20.90	20.90	21.19	21.24	20.91		
15	16QAM	36	0	19.83	19.83	20.01	19.79	20.16		
15	16QAM	36	20	19.97	19.96	20.23	19.99	20.22		
15	16QAM	36	39	19.87	20.01	20.19	20.10	20.14	21.5	2
15	16QAM	75	0	20.12	20.20	20.43	20.28	20.41		
15	64QAM	1	0	19.72	19.70	19.98	20.10	20.06		
15	64QAM	1	37	19.71	19.77	20.09	19.92	20.07		
15	64QAM	1	74	19.73	19.79	20.00	19.96	19.77	20.5	3
15	64QAM	36	0	18.99	19.02	19.20	19.10	19.10		
15	64QAM	36	20	18.94	18.98	19.28	18.89	19.28		
15	64QAM	36	39	18.94	18.98	19.28	19.12	19.26		
15	64QAM	75	0	18.98	19.10	19.22	19.12	19.28		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.90	21.97	22.36	22.25	22.21	23.5	0
10	QPSK	1	25	21.95	21.95	22.21	22.06	22.09		
10	QPSK	1	49	22.01	21.99	22.30	22.01	22.10		
10	QPSK	25	0	21.01	20.96	21.43	21.13	21.32		
10	QPSK	25	12	20.98	20.99	21.21	20.97	21.10	22.5	1
10	QPSK	25	25	20.96	20.99	21.27	21.07	21.07		
10	QPSK	50	0	21.05	21.12	21.42	21.23	21.41		
10	16QAM	1	0	20.95	20.87	21.18	21.18	21.22		
10	16QAM	1	25	20.85	21.03	21.18	21.13	21.19	22.5	1
10	16QAM	1	49	20.94	20.96	21.13	21.17	20.98		
10	16QAM	25	0	19.81	20.02	20.12	20.01	20.07		
10	16QAM	25	12	19.91	19.97	20.22	19.89	20.29		
10	16QAM	25	25	19.93	20.02	20.29	19.92	20.10	21.5	2
10	16QAM	50	0	20.11	20.21	20.43	20.33	20.36		
10	64QAM	1	0	19.77	19.78	19.97	20.06	20.06		
10	64QAM	1	25	19.78	19.67	20.12	19.90	20.10		
10	64QAM	1	49	19.73	19.74	20.06	20.00	19.77	20.5	3
10	64QAM	25	0	18.96	19.02	19.30	19.07	19.13		
10	64QAM	25	12	19.04	18.91	19.15	18.89	19.18		
10	64QAM	25	25	18.96	19.00	19.16	19.14	19.19		
10	64QAM	50	0	19.00	19.10	19.31	19.18	19.24		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.91	21.95	22.38	22.27	22.27	23.5	0
5	QPSK	1	12	21.89	21.99	22.09	22.03	22.13		
5	QPSK	1	24	22.04	21.95	22.25	21.96	22.05		
5	QPSK	12	0	20.89	21.01	21.39	21.13	21.26		
5	QPSK	12	7	20.94	20.93	21.25	20.99	21.16	22.5	1
5	QPSK	12	13	20.95	20.94	21.29	21.13	21.13		
5	QPSK	25	0	21.15	21.06	21.43	21.18	21.40		
5	16QAM	1	0	20.91	20.95	21.17	21.19	21.24		
5	16QAM	1	12	20.91	21.01	21.37	21.02	21.21	22.5	1
5	16QAM	1	24	20.91	20.92	21.18	21.17	20.97		
5	16QAM	12	0	19.90	20.03	20.16	20.08	20.16		
5	16QAM	12	7	19.97	20.06	20.24	20.09	20.33		
5	16QAM	12	13	19.99	19.90	20.17	20.09	20.18	21.5	2
5	16QAM	25	0	20.16	20.14	20.43	20.27	20.33		
5	64QAM	1	0	19.77	19.81	19.99	20.11	20.10		
5	64QAM	1	12	19.71	19.77	20.03	19.94	20.10		
5	64QAM	1	24	19.80	19.76	20.03	19.96	19.78	20.5	3
5	64QAM	12	0	19.06	18.95	19.26	19.13	19.13		
5	64QAM	12	7	18.94	18.93	19.19	18.96	19.29		
5	64QAM	12	13	18.94	18.94	19.22	19.17	19.22		
5	64QAM	25	0	19.05	19.05	19.30	19.13	19.32		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.38	22.51	22.44	22.46	24	0
20	QPSK	1	49	22.25	22.49	22.28	22.37		
20	QPSK	1	99	22.20	22.48	22.28	22.32		
20	QPSK	50	0	21.45	21.52	21.50	21.37		
20	QPSK	50	24	21.36	21.50	21.29	21.39	23	1
20	QPSK	50	50	21.27	21.48	21.20	21.25		
20	QPSK	100	0	21.31	21.45	21.42	21.36		
20	16QAM	1	0	21.29	21.43	21.43	21.41		
20	16QAM	1	49	21.36	21.55	21.27	21.35	23	1
20	16QAM	1	99	21.28	21.47	21.36	21.22		
20	16QAM	50	0	20.50	20.48	20.60	20.26		
20	16QAM	50	24	20.46	20.48	20.36	20.34		
20	16QAM	50	50	20.19	20.50	20.25	20.28	22	2
20	16QAM	100	0	20.39	20.45	20.38	20.31		
20	64QAM	1	0	20.09	20.22	20.10	20.05		
20	64QAM	1	49	20.07	20.25	20.09	20.15		
20	64QAM	1	99	20.02	20.28	20.06	20.00	21	3
20	64QAM	50	0	19.58	19.46	19.48	19.24		
20	64QAM	50	24	19.54	19.43	19.32	19.28		
20	64QAM	50	50	19.23	19.58	19.16	19.31		
20	64QAM	100	0	19.30	19.42	19.37	19.30		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.24	22.49	22.23	22.26	24	0
15	QPSK	1	37	22.21	22.27	22.29	22.27		
15	QPSK	1	74	22.08	22.38	22.20	22.30		
15	QPSK	36	0	21.42	21.49	21.46	21.23		
15	QPSK	36	20	21.36	21.49	21.11	21.33	23	1
15	QPSK	36	39	21.16	21.43	21.09	21.10		
15	QPSK	75	0	21.30	21.42	21.29	21.21		
15	16QAM	1	0	21.11	21.23	21.29	21.36		
15	16QAM	1	37	21.15	21.55	21.12	21.21	23	1
15	16QAM	1	74	21.13	21.26	21.17	21.22		
15	16QAM	36	0	20.37	20.32	20.47	20.13		
15	16QAM	36	20	20.47	20.47	20.38	20.17		
15	16QAM	36	39	20.20	20.32	20.11	20.08	22	2
15	16QAM	75	0	20.20	20.25	20.27	20.22		
15	64QAM	1	0	20.13	20.23	20.10	20.09		
15	64QAM	1	37	20.06	20.25	20.01	20.22		
15	64QAM	1	74	20.16	20.35	20.08	20.09		
15	64QAM	36	0	19.49	19.26	19.40	19.22		
15	64QAM	36	20	19.56	19.43	19.32	19.08	21	3
15	64QAM	36	39	19.08	19.54	19.11	19.30		
15	64QAM	75	0	19.13	19.31	19.18	19.14		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565	3607.5	3642.5	3695		
10	QPSK	1	0	22.22	22.48	22.30	22.42	24	0
10	QPSK	1	25	22.09	22.38	22.12	22.28		
10	QPSK	1	49	22.17	22.49	22.18	22.26		
10	QPSK	25	0	21.47	21.53	21.49	21.32		
10	QPSK	25	12	21.25	21.45	21.20	21.22	23	1
10	QPSK	25	25	21.27	21.38	21.12	21.05		
10	QPSK	50	0	21.24	21.25	21.25	21.26		
10	16QAM	1	0	21.30	21.21	21.27	21.35		
10	16QAM	1	25	21.35	21.51	21.11	21.26	23	1
10	16QAM	1	49	21.30	21.36	21.17	21.22		
10	16QAM	25	0	20.38	20.50	20.38	20.25		
10	16QAM	25	12	20.34	20.40	20.22	20.22		
10	16QAM	25	25	20.10	20.43	20.22	20.15	22	2
10	16QAM	50	0	20.38	20.27	20.30	20.13		
10	64QAM	1	0	20.15	20.26	20.19	20.05		
10	64QAM	1	25	20.11	20.22	20.16	20.11		
10	64QAM	1	49	20.11	20.28	20.13	20.03	21	3
10	64QAM	25	0	19.46	19.35	19.46	19.22		
10	64QAM	25	12	19.51	19.43	19.32	19.11		
10	64QAM	25	25	19.10	19.41	19.15	19.33		
10	64QAM	50	0	19.32	19.37	19.30	19.28		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3562.5	3607	3643	3697.5		
5	QPSK	1	0	22.20	22.50	22.44	22.45	24	0
5	QPSK	1	12	22.23	22.34	22.22	22.21		
5	QPSK	1	24	22.13	22.34	22.28	22.31		
5	QPSK	12	0	21.30	21.35	21.44	21.21		
5	QPSK	12	7	21.28	21.43	21.24	21.24	23	1
5	QPSK	12	13	21.16	21.28	21.11	21.11		
5	QPSK	25	0	21.12	21.42	21.34	21.21		
5	16QAM	1	0	21.27	21.31	21.35	21.27		
5	16QAM	1	12	21.32	21.49	21.23	21.18	23	1
5	16QAM	1	24	21.19	21.47	21.20	21.22		
5	16QAM	12	0	20.47	20.34	20.61	20.19		
5	16QAM	12	7	20.28	20.31	20.37	20.21		
5	16QAM	12	13	20.19	20.34	20.18	20.17	22	2
5	16QAM	25	0	20.18	20.32	20.38	20.26		
5	64QAM	1	0	20.05	20.09	20.01	20.16		
5	64QAM	1	12	20.06	20.11	20.01	20.09		
5	64QAM	1	24	20.04	20.29	20.04	20.01		
5	64QAM	12	0	19.51	19.26	19.46	19.07		
5	64QAM	12	7	19.54	19.38	19.19	19.28	21	3
5	64QAM	12	13	19.18	19.36	19.07	19.20		
5	64QAM	25	0	19.27	19.41	19.15	19.15		

Band 41 Ant7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.02	20.20	20.44	20.25	20.34	21.5	0	
20	QPSK	1	49	20.03	20.13	20.43	20.04	20.31			
20	QPSK	1	99	20.01	20.11	20.36	20.12	20.34			
20	QPSK	50	0	18.91	19.21	19.36	19.27	19.32			
20	QPSK	50	24	19.10	19.20	19.35	19.12	19.31	20.5	1	
20	QPSK	50	50	18.11	19.09	19.31	19.23	19.34			
20	QPSK	100	0	19.08	19.23	19.33	19.29	19.27			
20	16QAM	1	0	18.88	18.99	19.31	19.06	19.15			
20	16QAM	1	49	19.02	19.03	19.23	19.03	19.15	20.5	1	
20	16QAM	1	99	18.99	19.09	19.28	19.07	19.15			
20	16QAM	50	0	18.11	18.27	18.39	18.10	18.34			
20	16QAM	50	24	18.06	18.30	18.27	18.03	18.23			
20	16QAM	50	50	18.19	18.15	18.33	18.14	18.46	19.5	2	
20	16QAM	100	0	18.08	18.32	18.34	18.19	18.30			
20	64QAM	1	0	17.52	17.59	17.84	17.63	17.73			
20	64QAM	1	49	17.57	17.73	17.87	17.54	17.70			
20	64QAM	1	99	17.62	17.68	17.82	17.70	17.81	18.5	3	
20	64QAM	50	0	17.14	17.23	17.32	17.05	17.34			
20	64QAM	50	24	17.17	17.38	17.34	17.19	17.32			
20	64QAM	50	50	17.27	17.18	17.27	17.08	17.44			
20	64QAM	100	0	17.04	17.38	17.30	17.29	17.27	Tune-up limit (dBm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.03	20.14	20.41	20.31	20.34			
15	QPSK	1	37	20.00	20.06	20.37	19.95	20.30	21.5	0	
15	QPSK	1	74	20.02	20.11	20.38	20.00	20.27			
15	QPSK	36	0	18.82	19.10	19.23	18.19	18.14			
15	QPSK	36	20	18.97	19.03	19.28	18.98	19.11			
15	QPSK	36	39	19.11	19.04	19.14	19.03	19.28	20.5	1	
15	QPSK	75	0	18.95	19.16	19.32	19.08	19.09			
15	16QAM	1	0	18.84	18.93	19.28	19.01	18.95			
15	16QAM	1	37	19.02	18.97	19.08	18.82	19.16			
15	16QAM	1	74	18.92	19.01	19.20	18.93	18.94	19.5	2	
15	16QAM	36	0	18.06	18.25	18.23	17.95	18.16			
15	16QAM	36	20	17.86	18.32	18.28	17.98	18.21			
15	16QAM	36	39	17.99	18.12	18.17	18.02	18.35			
15	16QAM	75	0	17.88	18.21	18.20	18.04	18.16	19.5	2	
15	64QAM	1	0	17.58	17.63	17.65	17.68	17.60			
15	64QAM	1	37	17.58	17.63	17.76	17.66	17.67			
15	64QAM	1	74	17.50	17.66	17.73	17.69	17.65			
15	64QAM	36	0	17.05	17.07	17.15	17.00	17.21	18.5	3	
15	64QAM	36	20	17.05	17.22	17.21	17.04	17.15			
15	64QAM	36	39	17.15	17.16	17.06	16.97	17.15			
15	64QAM	75	0	16.91	17.18	17.10	17.17	17.22			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.01	20.12	20.42	20.39	20.25	21.5	0	
10	QPSK	1	25	20.01	20.06	20.35	20.04	20.20			
10	QPSK	1	49	19.96	20.08	20.37	19.92	20.20			
10	QPSK	25	0	18.83	19.20	19.29	19.08	19.18			
10	QPSK	25	12	19.02	19.14	19.20	18.99	19.31	20.5	1	
10	QPSK	25	25	19.96	19.91	19.25	19.09	19.19			
10	QPSK	50	0	18.88	19.14	19.19	19.21	19.22			
10	16QAM	1	0	18.71	18.90	19.10	18.98	19.10			
10	16QAM	1	25	18.81	18.92	19.18	18.99	19.00	20.5	1	
10	16QAM	1	49	18.96	19.06	19.07	18.88	19.03			
10	16QAM	25	0	17.92	18.26	18.39	18.07	18.35			
10	16QAM	25	12	18.03	18.28	18.07	17.92	18.01			
10	16QAM	25	25	18.11	18.12	18.34	18.00	18.35	19.5	2	
10	16QAM	50	0	17.92	18.18	18.31	18.07	18.25			
10	64QAM	1	0	17.60	17.68	17.70	17.54	17.52			
10	64QAM	1	25	17.57	17.67	17.85	17.56	17.59			
10	64QAM	1	49	17.63	17.67	17.81	17.59	17.65	18.5	3	
10	64QAM	25	0	17.12	17.16	17.20	17.04	17.23			
10	64QAM	25	12	17.06	17.37	17.24	17.15	17.20			
10	64QAM	25	25	17.08	17.20	17.11	16.99	17.35			
10	64QAM	50	0	17.06	17.22	17.24	17.30	17.25	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.96	20.11	20.35	20.15	20.16			
5	QPSK	1	12	19.99	19.91	20.32	19.97	20.26	21.5	0	
5	QPSK	1	24	19.90	19.96	20.31	19.96	20.21			
5	QPSK	12	0	18.87	19.04	19.19	19.13	19.15			
5	QPSK	12	7	18.89	19.03	19.29	19.04	19.24			
5	QPSK	12	13	18.93	19.07	19.18	19.16	19.17	20.5	1	
5	QPSK	25	0	19.07	19.13	19.17	19.17	19.12			
5	16QAM	1	0	18.84	18.95	19.30	18.96	19.02			
5	16QAM	1	12	18.88	18.89	19.07	18.97	18.94			
5	16QAM	1	24	19.01	19.04	19.09	18.98	19.09	19.5	2	
5	16QAM	12	0	18.05	18.25	18.25	18.00	18.19			
5	16QAM	12	7	18.02	18.21	18.29	17.83	18.23			
5	16QAM	12	13	18.08	18.03	18.13	18.07	18.26			
5	16QAM	25	0	17.85	18.12	18.32	18.12	18.17	19.5	2	
5	64QAM	1	0	17.50	17.51	17.73	17.52	17.60			
5	64QAM	1	12	17.52	17.51	17.83	17.54	17.58			
5	64QAM	1	24	17.56	17.53	17.78	17.62	17.74			
5	64QAM	12	0	17.09	17.04	17.29	16.91	17.23	18.5	3	
5	64QAM	12	7	17.07	17.27	17.13	17.11	17.25			
5	64QAM	12	13	17.25	17.06	17.15	16.89	17.35			
5	64QAM	25	0	16.88	17.20	17.17	17.24	17.27			

Band 41 HPUE Ant7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.14	23.22	23.37	23.29	23.34	24.5	0	
20	QPSK	1	49	23.04	23.07	23.33	23.22	23.24			
20	QPSK	1	99	22.95	23.23	23.31	23.16	23.21			
20	QPSK	50	0	22.31	22.35	22.52	22.29	22.35			
20	QPSK	50	24	22.11	22.09	22.36	22.35	22.37	23.5	1	
20	QPSK	50	50	22.10	22.32	22.43	22.26	22.32			
20	QPSK	100	0	22.12	22.21	22.47	22.24	22.31			
20	16QAM	1	0	22.25	22.31	22.55	22.45	22.64			
20	16QAM	1	49	22.22	22.29	22.52	22.39	22.38	23.5	1	
20	16QAM	1	99	22.25	22.31	22.45	22.46	22.53			
20	16QAM	50	0	21.26	21.24	21.55	21.39	21.30			
20	16QAM	50	24	21.11	21.06	21.40	21.27	21.33			
20	16QAM	50	50	21.17	21.40	21.32	21.22	21.21	22.5	2	
20	16QAM	100	0	21.20	21.19	21.46	21.31	21.30			
20	64QAM	1	0	21.04	21.17	21.30	21.33	21.46			
20	64QAM	1	49	21.07	21.03	21.24	21.33	21.14			
20	64QAM	1	99	21.06	21.28	21.27	21.25	21.15	22.5	2	
20	64QAM	50	0	20.39	20.39	20.67	20.27	20.38			
20	64QAM	50	24	20.23	20.39	20.56	20.33	20.43			
20	64QAM	50	50	20.27	20.42	20.51	20.35	20.25			
20	64QAM	100	0	20.33	20.21	20.62	20.18	20.38	21.5	3	
Channel				39725	40173	40620	41088	41515			
Frequency (MHz)				2503.5	2547.5	2593.5	2637.5	2682.5			
15	QPSK	1	0	23.07	23.19	23.29	23.31	23.27	24.5	0	
15	QPSK	1	37	23.03	23.01	23.34	23.05	23.08			
15	QPSK	1	74	23.05	23.09	23.10	23.14	23.21			
15	QPSK	36	0	22.13	22.22	22.34	22.12	22.23			
15	QPSK	36	20	22.00	22.01	22.26	22.20	22.25	23.5	1	
15	QPSK	36	39	21.96	22.27	22.39	22.25	22.21			
15	QPSK	75	0	22.13	22.02	22.35	22.04	22.24			
15	16QAM	1	0	22.14	22.18	22.39	22.45	22.55			
15	16QAM	1	37	22.22	22.13	22.41	22.19	22.34	23.5	1	
15	16QAM	1	74	22.09	22.25	22.43	22.28	22.34			
15	16QAM	36	0	21.04	21.07	21.38	21.30	21.25			
15	16QAM	36	20	20.98	21.04	21.33	21.17	21.24			
15	16QAM	36	39	21.00	21.18	21.18	21.16	21.17	22.5	2	
15	16QAM	75	0	21.03	21.03	21.27	21.31	21.29			
15	64QAM	1	0	21.02	21.04	21.16	21.30	21.43			
15	64QAM	1	37	21.07	21.02	21.14	21.21	21.04			
15	64QAM	1	74	21.02	21.06	21.11	21.20	21.10	22.5	2	
15	64QAM	36	0	20.36	20.35	20.54	20.27	20.29			
15	64QAM	36	20	20.20	20.05	20.46	20.30	20.28			
15	64QAM	36	39	20.10	20.33	20.49	20.29	20.25			
15	64QAM	75	0	20.13	20.22	20.42	20.02	20.33	21.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.07	23.18	23.29	23.13	23.33	24.5	0	
10	QPSK	1	25	22.95	22.93	23.27	23.23	23.22			
10	QPSK	1	49	22.91	23.24	23.21	23.00	23.13			
10	QPSK	25	0	22.25	22.16	22.30	22.29	22.33			
10	QPSK	25	12	22.05	22.12	22.37	22.30	22.21	23.5	1	
10	QPSK	25	25	22.06	22.12	22.44	22.12	22.20			
10	QPSK	50	0	21.92	22.16	22.30	22.12	22.33			
10	16QAM	1	0	22.17	22.25	22.44	22.38	22.45			
10	16QAM	1	25	22.18	22.09	22.54	22.36	22.24	23.5	1	
10	16QAM	1	49	22.25	22.28	22.28	22.43	22.31			
10	16QAM	25	0	21.16	21.05	21.40	21.25	21.22			
10	16QAM	25	12	21.02	20.90	21.29	21.27	21.34			
10	16QAM	25	25	21.17	21.22	21.21	21.09	21.19	22.5	2	
10	16QAM	50	0	21.22	20.99	21.45	21.29	21.32			
10	64QAM	1	0	20.99	21.11	21.24	21.34	21.28			
10	64QAM	1	25	21.00	20.92	21.09	21.30	21.10			
10	64QAM	1	49	20.91	21.18	21.12	21.14	21.05	22.5	2	
10	64QAM	25	0	20.17	20.26	20.66	20.24	20.31			
10	64QAM	25	12	20.18	20.30	20.56	20.24	20.36			
10	64QAM	25	25	20.24	20.30	20.58	20.21	20.26			
10	64QAM	50	0	20.31	20.45	20.62	20.19	20.17	21.5	3	
Channel				39675	40135	40620	41060	41465			
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5			
5	QPSK	1	0	23.11	23.04	23.23	23.13	23.23	24.5	0	
5	QPSK	1	12	22.91	23.02	23.14	23.05	23.19			
5	QPSK	1	24	22.76	23.02	23.09	23.17	23.06			
5	QPSK	12	0	22.32	22.34	22.35	22.16	22.13			
5	QPSK	12	7	22.05	22.10	22.35	22.21	22.23	23.5	1	
5	QPSK	12	13	21.95	22.18	22.27	22.06	22.32			
5	QPSK	25	0	21.95	22.10	22.43	22.16	22.16			
5	16QAM	1	0	22.11	22.26	22.26	22.39	22.43			
5	16QAM	1	12	22.14	22.14	22.42	22.28	22.34	23.5	1	
5	16QAM	1	24	22.13	22.20	22.33	22.36	22.41			
5	16QAM	12	0	21.05	21.15	21.41	21.38	21.23			
5	16QAM	12	7	20.95	20.91	21.25	21.15	21.27			
5	16QAM	13	0	21.06	21.22	21.02	21.09	21.19	22.5	2	
5	16QAM	25	0	21.19	21.01	21.42	21.10	21.34			
5	64QAM	1	0	20.95	21.05	21.12	21.18	21.33			
5	64QAM	1	12	20.91	21.02	21.15	21.32	21.16			
5	64QAM	1	24	20.99	21.16	21.28	21.15	20.93	22.5	2	
5	64QAM	12	0	20.18	20.20	20.52	20.08	20.34			
5	64QAM	12	7	20.16	20.07	20.39	20.19	20.38			
5	64QAM	12	13	20.18	20.37	20.38	20.36	20.25			
5	64QAM	25	0	20.16	20.17	20.60	20.21	20.32	21.5	3	
Channel				39650	40110	40620	41035	41440			
Frequency (MHz)				2496	2542	2593	2639.30	2685			

ECI2 Power

Band 7 Ant1

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.54	21.66	21.25	22.5	0
20	QPSK	1	49	21.47	21.60	21.17		
20	QPSK	1	99	21.42	21.60	21.17		
20	QPSK	50	0	21.52	21.64	21.24	22.5	0
20	QPSK	50	24	21.45	21.60	21.20		
20	QPSK	50	50	21.40	21.62	21.20		
20	QPSK	100	0	21.52	21.61	21.23	22.5	0
20	16QAM	1	0	21.45	21.62	21.21		
20	16QAM	1	49	21.42	21.58	21.18		
20	16QAM	1	99	21.48	21.61	21.17	21.5	1
20	16QAM	50	0	20.54	20.65	20.23		
20	16QAM	50	24	20.46	20.63	20.17		
20	16QAM	50	50	20.43	20.59	20.21	21.5	1
20	16QAM	100	0	20.52	20.63	20.26		
20	64QAM	1	0	20.46	20.64	20.21		
20	64QAM	1	49	20.41	20.60	20.18	21.5	1
20	64QAM	1	99	20.46	20.63	20.21		
20	64QAM	50	0	19.52	19.61	19.23		
20	64QAM	50	24	19.46	19.62	19.21	20.5	2
20	64QAM	50	50	19.41	19.62	19.19		
20	64QAM	100	0	19.43	19.61	19.17		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.43	21.56	21.11	22.5	0
15	QPSK	1	37	21.35	21.46	21.06		
15	QPSK	1	74	21.28	21.47	21.09		
15	QPSK	36	0	21.43	21.51	21.11	22.5	0
15	QPSK	36	20	21.37	21.48	21.11		
15	QPSK	36	39	21.29	21.53	21.08		
15	QPSK	75	0	21.42	21.50	21.14	22.5	0
15	16QAM	1	0	21.32	21.54	21.30		
15	16QAM	1	37	21.34	21.46	21.34		
15	16QAM	1	74	21.34	21.50	21.34	21.5	1
15	16QAM	36	0	20.44	20.54	20.15		
15	16QAM	36	20	20.33	20.51	20.04		
15	16QAM	36	39	20.29	20.48	20.12	21.5	1
15	16QAM	75	0	20.41	20.51	20.18		
15	64QAM	1	0	20.38	20.55	20.11		
15	64QAM	1	37	20.33	20.52	20.05	21.5	1
15	64QAM	1	74	20.38	20.54	20.09		
15	64QAM	36	0	19.41	19.52	19.14		
15	64QAM	36	20	19.37	19.50	19.09	20.5	2
15	64QAM	36	39	19.31	19.48	19.05		
15	64QAM	75	0	19.34	19.52	19.07		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.42	21.57	21.35	22.5	0
10	QPSK	1	25	21.33	21.47	21.39		
10	QPSK	1	49	21.34	21.49	21.34		
10	QPSK	25	0	21.42	21.56	21.15	22.5	0
10	QPSK	25	12	21.31	21.48	21.08		
10	QPSK	25	25	21.32	21.53	21.09		
10	QPSK	50	0	21.38	21.48	21.15	22.5	0
10	16QAM	1	0	21.35	21.52	21.10		
10	16QAM	1	25	21.34	21.46	21.08		
10	16QAM	1	49	21.35	21.47	21.03	21.5	1
10	16QAM	25	0	20.45	20.56	20.15		
10	16QAM	25	12	20.33	20.49	20.08		
10	16QAM	25	25	20.32	20.48	20.08	21.5	1
10	16QAM	50	0	20.43	20.50	20.15		
10	64QAM	1	0	20.37	20.51	20.09		
10	64QAM	1	25	20.33	20.47	20.05	21.5	1
10	64QAM	1	49	20.34	20.51	20.13		
10	64QAM	25	0	19.40	19.53	19.15		
10	64QAM	25	12	19.36	19.48	19.10	20.5	2
10	64QAM	25	25	19.30	19.51	19.09		
10	64QAM	50	0	19.31	19.48	19.03		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.42	21.58	21.14	22.5	0
5	QPSK	1	12	21.38	21.51	21.46		
5	QPSK	1	24	21.30	21.46	21.45		
5	QPSK	12	0	21.38	21.51	21.15	22.5	0
5	QPSK	12	7	21.36	21.52	21.12		
5	QPSK	12	13	21.32	21.50	21.06		
5	QPSK	25	0	21.38	21.48	21.14	22.5	0
5	16QAM	1	0	21.37	21.50	21.08		
5	16QAM	1	12	21.29	21.49	21.08		
5	16QAM	1	24	21.40	21.53	21.05	21.5	1
5	16QAM	12	0	20.42	20.52	20.11		
5	16QAM	12	7	20.33	20.51	20.08		
5	16QAM	12	13	20.34	20.48	20.08	21.5	1
5	16QAM	25	0	20.39	20.54	20.14		
5	64QAM	1	0	20.33	20.56	20.13		
5	64QAM	1	12	20.27	20.48	20.08	21.5	1
5	64QAM	1	24	20.36	20.54	20.13		
5	64QAM	12	0	19.40	19.51	19.10		
5	64QAM	12	7	19.37	19.54	19.09	20.5	2
5	64QAM	12	13	19.33	19.51	19.06		
5	64QAM	25	0	19.32	19.48	19.06		



Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37650	38050	38150			
20	QPSK	1	0	22.32	22.32	22.32	24	0	
20	QPSK	1	48	22.30	22.34	22.34			
20	QPSK	1	96	22.28	22.36	22.36			
20	QPSK	50	0	21.32	21.54	21.27			
20	QPSK	50	24	21.43	21.48	21.39	23	1	
20	QPSK	50	50	21.37	21.32	21.43			
20	QPSK	100	0	21.38	21.49	21.34			
20	HQAM	1	0	21.11	21.48	21.25			
20	HQAM	1	48	21.33	21.45	21.35	23	1	
20	HQAM	1	96	21.31	21.28	21.30			
20	HQAM	50	0	20.21	20.54	20.28			
20	HQAM	50	24	20.54	20.39	20.41			
20	HQAM	50	50	20.32	20.29	20.34	22	2	
20	HQAM	100	0	20.25	20.48	20.40			
20	HQAM	1	0	20.37	20.47	20.32			
20	HQAM	1	48	20.37	20.47	20.32			
20	HQAM	1	96	20.35	20.32	20.42	22	2	
20	HQAM	50	0	19.18	19.48	19.15			
20	HQAM	50	24	19.48	19.49	19.48			
20	HQAM	50	50	19.36	19.32	19.28			
20	HQAM	100	0	19.31	19.42	19.43	21	3	
Channel				37625	38050	38175			
Frequency (MHz)				37675	38050	38125			
15	QPSK	1	0	22.23	22.34	22.06	24	0	
15	QPSK	1	37	22.14	22.38	22.06			
15	QPSK	1	74	22.08	22.29	22.18			
15	QPSK	36	0	21.33	21.55	21.19			
15	QPSK	36	36	21.23	21.33	21.41	23	1	
15	QPSK	36	36	21.31	21.20	21.23			
15	QPSK	75	0	21.22	21.46	21.29			
15	HQAM	1	0	21.19	21.47	21.16			
15	HQAM	1	37	21.07	21.28	21.32	23	1	
15	HQAM	1	74	21.26	21.26	21.16			
15	HQAM	36	0	20.19	20.41	20.08			
15	HQAM	36	20	20.46	20.24	20.37			
15	HQAM	36	36	20.35	20.33	20.41	22	2	
15	HQAM	75	0	20.17	20.31	20.25			
15	HQAM	1	0	20.32	20.49	20.34			
15	HQAM	1	37	20.48	20.48	20.38			
15	HQAM	1	74	20.48	20.48	20.38	22	2	
15	HQAM	36	0	19.12	19.47	19.16			
15	HQAM	36	20	19.34	19.28	19.26			
15	HQAM	36	36	19.31	19.14	19.16			
15	HQAM	75	0	19.16	19.30	19.31	21	3	
Channel				37600	38050	38100			
Frequency (MHz)				37650	38050	38100			
10	QPSK	1	0	22.11	22.30	22.12	24	0	
10	QPSK	1	25	22.17	22.21	22.09			
10	QPSK	1	49	22.24	22.12	22.14			
10	QPSK	25	0	21.23	21.44	21.18			
10	QPSK	25	12	21.26	21.48	21.38	23	1	
10	QPSK	25	25	21.29	21.44	21.24			
10	QPSK	50	0	21.35	21.28	21.21			
10	HQAM	1	0	21.18	21.31	21.18			
10	HQAM	1	25	21.23	21.34	21.18	23	1	
10	HQAM	1	49	21.31	21.24	21.21			
10	HQAM	25	0	20.13	20.46	20.22			
10	HQAM	25	12	20.46	20.30	20.27			
10	HQAM	25	25	20.35	20.20	20.17	22	2	
10	HQAM	50	0	20.34	20.50	20.20			
10	HQAM	1	0	20.27	20.48	20.20			
10	HQAM	1	25	20.27	20.47	20.50			
10	HQAM	1	49	20.32	20.35	20.31	22	2	
10	HQAM	25	0	19.19	19.30	19.10			
10	HQAM	25	12	19.32	19.38	19.31			
10	HQAM	25	25	19.19	19.13	19.13			
10	HQAM	50	0	19.31	19.41	19.43	21	3	
Channel				37775	38050	38225			
Frequency (MHz)				37775	38050	38225			
5	QPSK	1	0	22.14	22.33	22.10	24	0	
5	QPSK	1	12	22.30	22.15	22.05			
5	QPSK	1	24	22.24	22.12	22.07			
5	QPSK	12	0	21.22	21.40	21.18			
5	QPSK	12	7	21.43	21.47	21.19	23	1	
5	QPSK	12	13	21.25	21.25	21.35			
5	QPSK	25	0	21.30	21.48	21.20			
5	HQAM	1	0	21.15	21.50	21.06			
5	HQAM	1	12	21.18	21.20	21.22	23	1	
5	HQAM	1	24	21.21	21.24	21.18			
5	HQAM	12	0	20.11	20.51	20.11			
5	HQAM	12	7	20.45	20.29	20.23			
5	HQAM	12	13	20.11	20.27	20.14	22	2	
5	HQAM	25	0	20.15	20.46	20.39			
5	HQAM	1	1	20.40	20.59	20.41			
5	HQAM	1	12	20.42	20.53	20.53			
5	HQAM	1	24	20.35	20.42	20.44	22	2	
5	HQAM	12	0	19.08	19.30	19.04			
5	HQAM	12	7	19.48	19.38	19.42			
5	HQAM	12	13	19.22	19.13	19.20			
5	HQAM	25	0	19.10	19.40	19.42	21	3	

Band 2 Ant4									
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				18700	18900	19100			
Frequency (MHz)				1660	1680	1700			
20	QPSK	1	0	15.51	15.76	15.62	16.5	0	
20	QPSK	1	49	15.29	15.69	15.39			
20	QPSK	1	99	15.40	15.58	15.66			
20	QPSK	50	0	15.46	15.72	15.60	16.5	0	
20	QPSK	50	24	15.44	15.68	15.35			
20	QPSK	50	50	15.40	15.62	15.67			
20	QPSK	100	0	15.43	15.62	15.54	16.5	0	
20	16QAM	1	0	15.57	15.66	15.58			
20	16QAM	1	49	15.55	15.71	15.49			
20	16QAM	1	99	15.55	15.75	15.62	16.5	0	
20	16QAM	50	0	15.64	15.69	15.61			
20	16QAM	50	24	15.63	15.65	15.60			
20	16QAM	50	50	15.61	15.71	15.61	16.5	0	
20	16QAM	100	0	15.57	15.75	15.73			
20	64QAM	1	0	15.44	15.61	15.55			
20	64QAM	1	49	15.32	15.71	15.33	16.5	0	
20	64QAM	1	99	15.32	15.76	15.52			
20	64QAM	50	0	15.62	15.64	15.58			
20	64QAM	50	24	15.64	15.67	15.62	16.5	0	
20	64QAM	50	50	15.64	15.67	15.65			
20	64QAM	100	0	15.58	15.69	15.64			
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	15.44	15.71	15.47	16.5	0	
15	QPSK	1	37	15.24	15.58	15.25			
15	QPSK	1	74	15.37	15.54	15.52			
15	QPSK	36	0	15.39	15.63	15.44	16.5	0	
15	QPSK	36	20	15.32	15.59	15.25			
15	QPSK	36	39	15.27	15.50	15.55			
15	QPSK	75	0	15.36	15.56	15.40	16.5	0	
15	16QAM	1	0	15.45	15.76	15.69			
15	16QAM	1	37	15.52	15.66	15.41			
15	16QAM	1	74	15.40	15.72	15.53	16.5	0	
15	16QAM	36	0	15.59	15.63	15.60			
15	16QAM	36	20	15.50	15.70	15.41			
15	16QAM	36	39	15.53	15.57	15.65	16.5	0	
15	16QAM	75	0	15.47	15.63	15.60			
15	64QAM	1	0	15.38	15.76	15.41			
15	64QAM	1	37	15.38	15.63	15.46	16.5	0	
15	64QAM	1	74	15.33	15.71	15.48			
15	64QAM	36	0	15.59	15.62	15.53			
15	64QAM	36	20	15.52	15.72	15.56	16.5	0	
15	64QAM	36	39	15.59	15.63	15.62			
15	64QAM	75	0	15.54	15.73	15.58			
Channel				18650	18900	19105			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	15.37	15.69	15.48	16.5	0	
10	QPSK	1	25	15.39	15.63	15.33			
10	QPSK	1	49	15.29	15.50	15.60			
10	QPSK	25	0	15.33	15.59	15.49	16.5	0	
10	QPSK	25	12	15.34	15.65	15.28			
10	QPSK	25	25	15.27	15.53	15.58			
10	QPSK	50	0	15.28	15.45	15.48	16.5	0	
10	16QAM	1	0	15.44	15.68	15.64			
10	16QAM	1	25	15.39	15.59	15.41			
10	16QAM	1	49	15.46	15.68	15.50	16.5	0	
10	16QAM	25	0	15.62	15.71	15.70			
10	16QAM	25	12	15.53	15.67	15.44			
10	16QAM	25	25	15.53	15.61	15.72	16.5	0	
10	16QAM	50	0	15.42	15.62	15.60			
10	64QAM	1	0	15.39	15.69	15.42			
10	64QAM	1	25	15.29	15.62	15.38	16.5	0	
10	64QAM	1	49	15.20	15.62	15.37			
10	64QAM	25	0	15.47	15.67	15.72			
10	64QAM	25	12	15.57	15.69	15.54	16.5	0	
10	64QAM	25	25	15.67	15.68	15.62			
10	64QAM	50	0	15.49	15.65	15.60			
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	15.43	15.70	15.58	16.5	0	
5	QPSK	1	12	15.40	15.62	15.50			
5	QPSK	1	24	15.43	15.51	15.56			
5	QPSK	12	0	15.36	15.66	15.49	16.5	0	
5	QPSK	12	7	15.33	15.61	15.29			
5	QPSK	12	13	15.27	15.46	15.52			
5	QPSK	25	0	15.29	15.53	15.41	16.5	0	
5	16QAM	1	0	15.45	15.76	15.71			
5	16QAM	1	12	15.47	15.62	15.38			
5	16QAM	1	24	15.42	15.67	15.49	16.5	0	
5	16QAM	12	0	15.71	15.74	15.77			
5	16QAM	12	7	15.48	15.66	15.51			
5	16QAM	12	13	15.52	15.61	15.75	16.5	0	
5	16QAM	25	0	15.43	15.67	15.62			
5	64QAM	1	0	15.29	15.65	15.51			
5	64QAM	1	12	15.27	15.56	15.26	16.5	0	
5	64QAM	1	24	15.21	15.61	15.44			
5	64QAM	12	0	15.52	15.61	15.53			
5	64QAM	12	7	15.56	15.73	15.48	16.5	0	
5	64QAM	12	13	15.59	15.63	15.64			
5	64QAM	25	0	15.48	15.63	15.50			
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	15.37	15.70	15.51	16.5	0	
3	QPSK	1	8	15.38	15.55	15.25			
3	QPSK	1	14	15.29	15.49	15.55			
3	QPSK	8	0	15.32	15.68	15.52	16.5	0	
3	QPSK	8	4	15.29	15.62	15.20			
3	QPSK	8	7	15.28	15.52	15.61			
3	QPSK	15	0	15.33	15.54	15.39	16.5	0	
3	16QAM	1	0	15.52	15.70	15.65			
3	16QAM	1	8	15.43	15.62	15.44			
3	16QAM	1	14	15.47	15.65	15.58	16.5	0	
3	16QAM	8	0	15.59	15.74	15.65			
3	16QAM	8	4	15.53	15.70	15.49			
3	16QAM	8	7	15.54	15.62	15.65	16.5	0	
3	16QAM	15	0	15.51	15.71	15.60			
3	64QAM	1	0	15.31	15.74	15.43			
3	64QAM	1	8	15.38	15.63	15.42	16.5	0	
3	64QAM	1	14	15.39	15.63	15.38			
3	64QAM	8	0	15.46	15.67	15.73			
3	64QAM	8	4	15.52	15.70	15.45	16.5	0	
3	64QAM	8	7	15.68	15.67	15.65			
3	64QAM	15	0	15.54	15.73	15.45			
Channel				18607	18900	19193			
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	15.36	15.69	15.49	16.5	0	
1.4	QPSK	1	3	15.19	15.64	15.27			
1.4	QPSK	1	5	15.25	15.51	15.53			
1.4	QPSK	3	0	15.32	15.67	15.48	16.5	0	
1.4	QPSK	3	1	15.33	15.65	15.21			
1.4	QPSK	3	3	15.31	15.59	15.64			
1.4	QPSK	6	0	15.38	15.48	15.47	16.5	0	
1.4	16QAM	1	0	15.47	15.75	15.62			
1.4	16QAM	1	3	15.39	15.67	15.41			
1.4	16QAM	1	5	15.43	15.73	15.53	16.5	0	
1.4	16QAM	3	0	15.68	15.66	15.65			
1.4	16QAM	3	1	15.53	15.66	15.51			
1.4	16QAM	3	3	15.53	15.65	15.75	16.5	0	
1.4	16QAM	6	0	15.51	15.67	15.63			
1.4	64QAM	1	0	15.28	15.67	15.50			
1.4	64QAM	1	3	15.26	15.57	15.27	16.5	0	
1.4	64QAM	1	5	15.27	15.64	15.38			
1.4	64QAM	3	0	15.46	15.66	15.60			
1.4	64QAM	3	1	15.51	15.63	15.52	16.5	0	
1.4	64QAM	3	3	15.61	15.64	15.65			
1.4	64QAM	6	0	15.44	15.66	15.57			

Band 7 ENDC Ant4									
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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	12.62	12.68	12.61			
20	QPSK	1	49	12.45	12.60	12.59	13	0	
20	QPSK	1	99	12.55	12.64	12.62			
20	QPSK	50	0	12.55	12.56	12.51			
20	QPSK	50	24	12.45	12.54	12.47	13	0	
20	QPSK	50	50	12.45	12.47	12.36			
20	QPSK	100	0	12.60	12.65	12.63			
20	16QAM	1	0	12.56	12.57	12.52	13	0	
20	16QAM	1	49	12.39	12.40	12.38			
20	16QAM	1	99	12.44	12.53	12.38			
20	16QAM	50	0	12.61	12.62	12.44			
20	16QAM	50	24	12.41	12.61	12.48			
20	16QAM	50	50	12.42	12.53	12.38	13	0	
20	16QAM	100	0	12.59	12.61	12.55			
20	64QAM	1	0	12.61	12.55	12.50			
20	64QAM	1	49	12.32	12.56	12.37	13	0	
20	64QAM	1	99	12.48	12.50	12.36			
20	64QAM	50	0	12.47	12.57	12.48			
20	64QAM	50	24	12.50	12.62	12.42			
20	64QAM	50	50	12.39	12.50	12.37	13	0	
20	64QAM	100	0	12.53	12.60	12.59			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	12.48	12.64	12.48			
15	QPSK	1	37	12.39	12.43	12.53	13	0	
15	QPSK	1	74	12.45	12.47	12.40			
15	QPSK	36	0	12.40	12.46	12.46			
15	QPSK	36	20	12.33	12.45	12.44			
15	QPSK	36	39	12.38	12.37	12.31	13	0	
15	QPSK	75	0	12.57	12.56	12.57			
15	16QAM	1	0	12.45	12.45	12.46			
15	16QAM	1	37	12.34	12.33	12.33	13	0	
15	16QAM	1	74	12.38	12.47	12.31			
15	16QAM	36	0	12.57	12.51	12.29			
15	16QAM	36	20	12.32	12.52	12.44			
15	16QAM	36	39	12.34	12.41	12.31	13	0	
15	16QAM	75	0	12.51	12.53	12.44			
15	64QAM	1	0	12.49	12.50	12.39			
15	64QAM	1	37	12.26	12.49	12.28	13	0	
15	64QAM	1	74	12.34	12.46	12.24			
15	64QAM	36	0	12.42	12.43	12.40			
15	64QAM	36	20	12.45	12.49	12.29			
15	64QAM	36	39	12.24	12.46	12.25	13	0	
15	64QAM	75	0	12.47	12.57	12.42			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	12.58	12.63	12.48			
10	QPSK	1	25	12.36	12.54	12.45	13	0	
10	QPSK	1	49	12.46	12.55	12.46			
10	QPSK	25	0	12.40	12.41	12.41			
10	QPSK	25	12	12.30	12.49	12.31			
10	QPSK	25	25	12.34	12.37	12.19	13	0	
10	QPSK	50	0	12.54	12.60	12.50			
10	16QAM	1	0	12.48	12.53	12.41			
10	16QAM	1	25	12.29	12.23	12.24	13	0	
10	16QAM	1	49	12.38	12.45	12.30			
10	16QAM	25	0	12.48	12.49	12.36			
10	16QAM	25	12	12.27	12.45	12.36	13	0	
10	16QAM	25	25	12.27	12.49	12.31			
10	16QAM	50	0	12.55	12.49	12.48			
10	64QAM	1	0	12.56	12.50	12.41			
10	64QAM	1	25	12.22	12.48	12.22	13	0	
10	64QAM	1	49	12.37	12.40	12.21			
10	64QAM	25	0	12.31	12.45	12.36			
10	64QAM	25	12	12.39	12.52	12.32	13	0	
10	64QAM	25	25	12.25	12.40	12.22			
10	64QAM	50	0	12.44	12.53	12.49			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	12.58	12.62	12.49			
5	QPSK	1	12	12.34	12.47	12.44	13	0	
5	QPSK	1	24	12.47	12.59	12.46			
5	QPSK	12	0	12.43	12.44	12.37			
5	QPSK	12	7	12.35	12.38	12.42	13	0	
5	QPSK	12	13	12.34	12.40	12.26			
5	QPSK	25	0	12.45	12.62	12.56			
5	16QAM	1	0	12.51	12.47	12.35			
5	16QAM	1	12	12.27	12.33	12.29	13	0	
5	16QAM	1	24	12.36	12.41	12.30			
5	16QAM	12	0	12.54	12.49	12.40			
5	16QAM	12	7	12.30	12.56	12.40	13	0	
5	16QAM	12	13	12.31	12.49	12.25			
5	16QAM	25	0	12.55	12.54	12.49			
5	64QAM	1	0	12.54	12.46	12.37			
5	64QAM	1	12	12.23	12.47	12.24	13	0	
5	64QAM	1	24	12.43	12.38	12.33			
5	64QAM	12	0	12.31	12.43	12.39			
5	64QAM	12	7	12.45	12.49	12.37	13	0	
5	64QAM	12	13	12.26	12.41	12.31			
5	64QAM	25	0	12.39	12.58	12.50			

Band 13 Ant4									
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				23200	23320				
Frequency (MHz)				77.5	78.5				
10	QPSK	1	0		20.29				
10	QPSK	1	25		20.23		21	0	
10	QPSK	1	49		20.21				
10	QPSK	25	0		20.14				
10	QPSK	25	12		20.11				
10	QPSK	25	25		20.12		21	0	
10	QPSK	50	0		20.22				
10	16QAM	1	0		20.23				
10	16QAM	1	25		20.19		21	0	
10	16QAM	1	49		20.18				
10	16QAM	25	0		20.11				
10	16QAM	25	12		20.08				
10	16QAM	25	25		20.05		21	0	
10	16QAM	50	0		20.28				
10	64QAM	1	0		20.28				
10	64QAM	1	25		20.22		21	0	
10	64QAM	1	49		20.21				
10	64QAM	25	0		19.11				
10	64QAM	25	12		18.95				
10	64QAM	25	25		19.15		20	1	
10	64QAM	50	0		19.29				
Channel				23205	23320	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	20.16	20.22	20.20			
5	QPSK	1	12	20.12	20.13	20.24	21	0	
5	QPSK	1	24	20.12	20.06	20.08			
5	QPSK	12	0	19.69	20.00	19.94			
5	QPSK	12	7	19.94	20.05	19.95			
5	QPSK	12	13	19.98	19.98	19.93	21	0	
5	QPSK	25	0	20.16	20.19	20.14			
5	16QAM	1	0	20.15	20.21	20.12			
5	16QAM	1	12	20.18	20.09	20.15	21	0	
5	16QAM	1	24	20.09	20.02	20.06			
5	16QAM	12	0	20.08	19.92	20.11			
5	16QAM	12	7	19.95	19.96	19.99			
5	16QAM	12	13	20.07	19.93	19.93	21	0	
5	16QAM	25	0	20.12	20.14	20.10			
5	64QAM	1	0	20.04	20.25	20.02			
5	64QAM	1	12	19.97	20.02	20.00	21	0	
5	64QAM	1	24	19.88	20.14	20.16			
5	64QAM	12	0	19.00	18.89	19.04			
5	64QAM	12	7	18.88	18.88	18.95			
5	64QAM	12	13	19.01	18.95	19.00	20	1	
5	64QAM	25	0	19.29	19.26	19.31			

Band 25 Ant4									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	15.58	15.80	15.75	16.5	0	
20	QPSK	1	49	15.40	15.70	15.63			
20	QPSK	1	99	15.45	15.73	15.63			
20	QPSK	50	0	15.51	15.73	15.71	16.5	0	
20	QPSK	50	24	15.44	15.70	15.66			
20	QPSK	50	50	15.48	15.67	15.55			
20	QPSK	100	0	15.54	15.76	15.74	16.5	0	
20	16QAM	1	0	15.68	15.71	15.73			
20	16QAM	1	49	15.72	15.75	15.62			
20	16QAM	1	99	15.54	15.77	15.76	16.5	0	
20	16QAM	50	0	15.61	15.72	15.79			
20	16QAM	50	24	15.38	15.77	15.77			
20	16QAM	50	50	15.49	15.77	15.55	16.5	0	
20	16QAM	100	0	15.65	15.76	15.71			
20	64QAM	1	0	15.64	15.78	15.67			
20	64QAM	1	49	15.38	15.61	15.59	16.5	0	
20	64QAM	1	99	15.30	15.70	15.57			
20	64QAM	50	0	15.73	15.71	15.79			
20	64QAM	50	24	15.67	15.78	15.69	16.5	0	
20	64QAM	50	50	15.60	15.72	15.64			
20	64QAM	100	0	15.64	15.72	15.62			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	15.44	15.73	15.64	16.5	0	
15	QPSK	1	37	15.36	15.54	15.47			
15	QPSK	1	74	15.29	15.58	15.52			
15	QPSK	36	0	15.43	15.63	15.58	16.5	0	
15	QPSK	36	20	15.41	15.54	15.53			
15	QPSK	36	39	15.32	15.55	15.47			
15	QPSK	75	0	15.47	15.67	15.62	16.5	0	
15	16QAM	1	0	15.62	15.56	15.66			
15	16QAM	1	37	15.61	15.59	15.56			
15	16QAM	1	74	15.43	15.61	15.71	16.5	0	
15	16QAM	36	0	15.55	15.62	15.65			
15	16QAM	36	20	15.24	15.66	15.66			
15	16QAM	36	39	15.45	15.73	15.44	16.5	0	
15	16QAM	75	0	15.53	15.61	15.64			
15	64QAM	1	0	15.51	15.68	15.58			
15	64QAM	1	37	15.41	15.49	15.46	16.5	0	
15	64QAM	1	74	15.47	15.61	15.48			
15	64QAM	36	0	15.65	15.66	15.75			
15	64QAM	36	20	15.59	15.65	15.62	16.5	0	
15	64QAM	36	39	15.44	15.65	15.47			
15	64QAM	75	0	15.54	15.55	15.56			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	15.49	15.71	15.65	16.5	0	
10	QPSK	1	25	15.28	15.61	15.55			
10	QPSK	1	49	15.36	15.64	15.51			
10	QPSK	25	0	15.44	15.63	15.62	16.5	0	
10	QPSK	25	12	15.35	15.65	15.55			
10	QPSK	25	25	15.34	15.61	15.52			
10	QPSK	50	0	15.50	15.67	15.69	16.5	0	
10	16QAM	1	0	15.63	15.55	15.66			
10	16QAM	1	25	15.58	15.67	15.58			
10	16QAM	1	49	15.48	15.65	15.73	16.5	0	
10	16QAM	25	0	15.45	15.60	15.69			
10	16QAM	25	12	15.34	15.63	15.60			
10	16QAM	25	25	15.42	15.59	15.49	16.5	0	
10	16QAM	50	0	15.53	15.61	15.56			
10	64QAM	1	0	15.50	15.74	15.61			
10	64QAM	1	25	15.41	15.52	15.48	16.5	0	
10	64QAM	1	49	15.43	15.60	15.48			
10	64QAM	25	0	15.64	15.61	15.68			
10	64QAM	25	12	15.56	15.66	15.59	16.5	0	
10	64QAM	25	25	15.54	15.65	15.51			
10	64QAM	50	0	15.55	15.62	15.54			
Channel				26053	26340	26605	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1912.5			
5	QPSK	1	0	15.48	15.70	15.67	16.5	0	
5	QPSK	1	12	15.32	15.57	15.58			
5	QPSK	1	24	15.30	15.68	15.59			
5	QPSK	12	0	15.45	15.65	15.64	16.5	0	
5	QPSK	12	7	15.28	15.58	15.59			
5	QPSK	12	13	15.40	15.51	15.51			
5	QPSK	25	0	15.42	15.62	15.69	16.5	0	
5	16QAM	1	0	15.60	15.63	15.50			
5	16QAM	1	12	15.57	15.68	15.59			
5	16QAM	1	24	15.42	15.74	15.73	16.5	0	
5	16QAM	12	0	15.47	15.59	15.63			
5	16QAM	12	7	15.32	15.74	15.70			
5	16QAM	12	13	15.33	15.68	15.46	16.5	0	
5	16QAM	25	0	15.54	15.66	15.62			
5	16QAM	1	0	15.53	15.68	15.55			
5	64QAM	1	12	15.35	15.54	15.55	16.5	0	
5	64QAM	1	24	15.43	15.64	15.47			
5	64QAM	12	0	15.64	15.62	15.70			
5	64QAM	12	7	15.51	15.63	15.59	16.5	0	
5	64QAM	12	13	15.49	15.60	15.50			
5	64QAM	25	0	15.60	15.67	15.47			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	15.51	15.75	15.70	16.5	0	
3	QPSK	1	8	15.44	15.59	15.55			
3	QPSK	1	14	15.34	15.58	15.57			
3	QPSK	8	0	15.42	15.64	15.57	16.5	0	
3	QPSK	8	4	15.28	15.59	15.53			
3	QPSK	8	7	15.35	15.56	15.52			
3	QPSK	15	0	15.42	15.72	15.62	16.5	0	
3	16QAM	1	0	15.51	15.61	15.66			
3	16QAM	1	8	15.67	15.71	15.72			
3	16QAM	1	14	15.50	15.61	15.52	16.5	0	
3	16QAM	8	0	15.48	15.61	15.64			
3	16QAM	8	4	15.33	15.70	15.68			
3	16QAM	8	7	15.38	15.71	15.42	16.5	0	
3	16QAM	15	0	15.50	15.66	15.67			
3	64QAM	1	0	15.54	15.62	15.57			
3	64QAM	1	8	15.24	15.50	15.47	16.5	0	
3	64QAM	1	14	15.19	15.66	15.48			
3	64QAM	8	0	15.57	15.61	15.75			
3	64QAM	8	4	15.62	15.66	15.52	16.5	0	
3	64QAM	8	7	15.54	15.63	15.57			
3	64QAM	15	0	15.45	15.59	15.47			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	15.54	15.71	15.67	16.5	0	
1.4	QPSK	1	3	15.27	15.59	15.56			
1.4	QPSK	1	5	15.28	15.65	15.48			
1.4	QPSK	3	0	15.53	15.75	15.69	16.5	0	
1.4	QPSK	3	1	15.25	15.63	15.51			
1.4	QPSK	3	3	15.31	15.57	15.48			
1.4	QPSK	6	0	15.36	15.67	15.62	16.5	0	
1.4	16QAM	1	0	15.41	15.62	15.61			
1.4	16QAM	1	5	15.38	15.64	15.51			
1.4	16QAM	3	0	15.43	15.62	15.59	16.5	0	
1.4	16QAM	3	1	15.51	15.62	15.64			
1.4	16QAM	3	1	15.61	15.60	15.57			
1.4	16QAM	3	3	15.49	15.67	15.67	16.5	0	
1.4	16QAM	6	0	15.51	15.55	15.73			
1.4	64QAM	1	0	15.34	15.70	15.65			
1.4	64QAM	1	3	15.38	15.68	15.46	16.5	0	
1.4	64QAM	1	5	15.53	15.69	15.55			
1.4	64QAM	3	0	15.60	15.63	15.59			
1.4	64QAM	3	1	15.25	15.58	15.54	16.5	0	
1.4	64QAM	3	3	15.26	15.62	15.46			
1.4	64QAM	6	0	15.80	15.62	15.74			

Band 26 Ant4 for FCC									
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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	20.21	20.40	20.24	21	0	
15	QPSK	1	37	20.20	20.35	20.22			
15	QPSK	1	74	20.10	20.34	20.18			
15	QPSK	36	0	20.09	20.29	20.19			
15	QPSK	36	20	20.12	20.24	20.19	21	0	
15	QPSK	36	39	20.17	20.24	20.10			
15	QPSK	75	0	20.08	20.34	20.15			
15	16QAM	1	0	20.39	20.38	20.11			
15	16QAM	1	37	20.34	20.34	20.13	21	0	
15	16QAM	1	74	20.02	20.38	20.20			
15	16QAM	36	0	20.15	20.22	20.10			
15	16QAM	36	20	20.11	20.17	20.14			
15	16QAM	36	39	20.11	20.18	20.14	21	0	
15	16QAM	75	0	20.21	20.29	20.18			
15	64QAM	1	0	20.25	20.39	20.22			
15	64QAM	1	37	20.30	20.34	20.27			
15	64QAM	1	74	20.14	20.22	20.03	21	0	
15	64QAM	36	0	19.23	19.27	19.21			
15	64QAM	36	20	19.13	19.14	19.18			
15	64QAM	36	39	19.22	19.24	19.12			
15	64QAM	75	0	19.18	19.29	19.12	21		
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	20.16	20.35	20.19	21	0	
10	QPSK	1	25	20.06	20.22	20.12			
10	QPSK	1	49	19.94	20.21	20.08			
10	QPSK	25	0	20.03	20.17	20.14			
10	QPSK	25	12	19.99	20.17	20.07	21	0	
10	QPSK	25	25	20.01	20.20	20.02			
10	QPSK	50	0	20.00	20.29	19.99			
10	16QAM	1	0	20.35	20.30	20.05			
10	16QAM	1	25	20.26	20.24	20.10	21	0	
10	16QAM	1	49	19.97	20.35	20.16			
10	16QAM	25	0	20.13	20.01	20.06			
10	16QAM	25	12	20.06	20.10	19.94			
10	16QAM	25	25	20.11	20.10	19.93	21	0	
10	16QAM	50	0	20.09	20.16	20.07			
10	64QAM	1	0	20.23	20.19	20.21			
10	64QAM	1	25	20.28	20.17	20.26			
10	64QAM	1	49	19.96	20.06	20.00	21	0	
10	64QAM	25	0	19.21	19.17	19.00			
10	64QAM	25	12	19.08	19.13	19.12			
10	64QAM	25	25	19.06	19.21	19.95			
10	64QAM	50	0	19.12	19.16	19.13	20	1	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	20.16	20.36	20.09	21	0	
5	QPSK	1	12	20.03	20.27	20.14			
5	QPSK	1	24	19.96	20.20	20.12			
5	QPSK	12	0	19.94	20.16	20.10			
5	QPSK	12	7	19.98	20.10	20.12	21	0	
5	QPSK	12	13	20.06	20.13	20.04			
5	QPSK	25	0	20.05	20.20	20.11			
5	16QAM	1	0	20.23	20.24	19.97			
5	16QAM	1	12	20.22	20.19	20.07	21	0	
5	16QAM	1	24	19.97	20.28	20.15			
5	16QAM	12	0	20.15	20.14	20.03			
5	16QAM	12	7	20.09	19.97	20.12			
5	16QAM	12	13	20.03	20.10	19.99	21	0	
5	16QAM	25	0	20.06	20.07	20.01			
5	64QAM	1	0	20.17	20.36	20.10			
5	64QAM	1	12	20.24	20.12	20.28			
5	64QAM	1	24	20.11	20.18	19.93	21	0	
5	64QAM	12	0	19.02	19.21	19.21			
5	64QAM	12	7	18.96	19.05	19.02			
5	64QAM	12	13	19.07	19.10	19.07			
5	64QAM	25	0	19.03	19.08	18.90	20	1	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	20.09	20.35	20.18	21	0	
3	QPSK	1	8	20.03	20.28	20.06			
3	QPSK	1	14	20.03	20.23	20.06			
3	QPSK	8	0	20.03	20.18	20.08			
3	QPSK	8	4	20.02	20.12	20.16	21	0	
3	QPSK	8	7	20.09	20.18	19.95			
3	QPSK	15	0	19.94	20.26	20.09			
3	16QAM	1	0	20.34	20.28	20.08			
3	16QAM	1	8	20.27	20.25	20.03	21	0	
3	16QAM	1	14	19.96	20.28	20.05			
3	16QAM	8	0	20.01	20.09	20.00			
3	16QAM	8	4	19.92	19.95	19.96			
3	16QAM	8	7	19.92	20.11	20.05	21	0	
3	16QAM	15	0	20.07	20.14	20.15			
3	64QAM	1	0	20.19	20.32	20.16			
3	64QAM	1	8	20.14	20.19	20.14			
3	64QAM	1	14	20.11	20.08	19.98	21	0	
3	64QAM	8	0	19.05	19.25	19.04			
3	64QAM	8	4	19.12	19.00	19.06			
3	64QAM	8	7	19.05	19.07	19.11			
3	64QAM	15	0	19.00	19.30	18.92	20	1	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	20.09	20.33	20.18	21	0	
1.4	QPSK	1	3	20.05	20.28	20.07			
1.4	QPSK	1	5	19.98	20.17	20.14			
1.4	QPSK	3	0	20.06	20.25	20.16			
1.4	QPSK	3	1	20.03	20.25	20.11	21	0	
1.4	QPSK	3	3	19.94	20.26	20.06			
1.4	QPSK	6	0	20.02	20.15	20.09			
1.4	16QAM	1	0	20.03	20.08	20.08			
1.4	16QAM	1	3	20.07	20.13	20.00	21	0	
1.4	16QAM	1	5	20.01	20.23	20.03			
1.4	16QAM	3	0	20.28	20.33	20.00			
1.4	16QAM	3	1	20.18	20.20	20.08			
1.4	16QAM	3	3	19.99	20.31	20.03	21	0	
1.4	16QAM	6	0	19.99	20.11	19.91			
1.4	64QAM	1	0	20.05	19.92	20.03			
1.4	64QAM	1	3	20.05	19.95	19.95			
1.4	64QAM	1	5	19.91	20.09	19.97	21	0	
1.4	64QAM	3	0	20.04	20.22	20.11			
1.4	64QAM	3	1	20.10	20.12	20.09			
1.4	64QAM	3	3	19.96	20.11	19.95			
1.4	64QAM	6	0	18.94	19.13	19.09	20	1	

Band 30 ENDG Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2310					
10	QPSK	1	0		13.98		14.5	0	
10	QPSK	1	25		13.87				
10	QPSK	1	49		13.92				
10	QPSK	25	0		13.97		14.5	0	
10	QPSK	25	12		13.92				
10	QPSK	25	25		13.94				
10	QPSK	50	0		13.95		14.5	0	
10	16QAM	1	0		13.88				
10	16QAM	1	25		13.85				
10	16QAM	1	49		13.91		14.5	0	
10	16QAM	25	0		13.88				
10	16QAM	25	12		13.93				
10	16QAM	25	25		13.87		14.5	0	
10	16QAM	50	0		13.96				
10	64QAM	1	0		13.93				
10	64QAM	1	25		13.91		14.5	0	
10	64QAM	25	0		13.96				
10	64QAM	25	12		13.91				
10	64QAM	25	25		13.94		14.5	0	
10	64QAM	50	0		13.92				
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	13.73	13.84	13.82	14.5	0	
5	QPSK	1	12	13.90	13.79	13.84			
5	QPSK	1	24	13.79	13.68	13.80			
5	QPSK	12	0	13.84	13.96	13.84	14.5	0	
5	QPSK	12	7	13.77	13.83	13.74			
5	QPSK	12	13	13.78	13.78	13.79			
5	QPSK	25	0	13.82	13.94	13.95	14.5	0	
5	16QAM	1	0	13.77	13.77	13.81			
5	16QAM	1	12	13.88	13.88	13.72			
5	16QAM	1	24	13.78	13.79	13.86	14.5	0	
5	16QAM	12	0	13.89	13.96	13.82			
5	16QAM	12	7	13.87	13.96	13.85			
5	16QAM	12	13	13.89	13.82	13.73	14.5	0	
5	16QAM	25	0	13.88	13.86	13.94			
5	64QAM	1	0	13.82	13.91	13.94			
5	64QAM	1	12	13.88	13.77	13.80	14.5	0	
5	64QAM	1	24	13.77	13.82	13.76			
5	64QAM	12	0	13.91	13.82	13.82			
5	64QAM	12	7	13.89	13.95	13.85	14.5	0	
5	64QAM	12	13	13.72	13.83	13.83			
5	64QAM	25	0	13.96	13.96	13.92			

Band 66 Ant4									
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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	16.02	16.11	16.00	17	0	
20	QPSK	1	49	15.88	16.02	16.00			
20	QPSK	1	99	15.86	15.91	15.92			
20	QPSK	50	0	15.87	16.06	15.95			
20	QPSK	50	24	15.86	16.03	16.03	17	0	
20	QPSK	50	50	15.88	16.05	15.91			
20	QPSK	100	0	16.06	16.08	16.07			
20	16QAM	1	0	16.10	16.10	15.99			
20	16QAM	1	49	15.99	16.08	16.00	17	0	
20	16QAM	1	99	16.06	16.10	16.03			
20	16QAM	50	0	15.89	16.10	16.05			
20	16QAM	50	24	16.00	16.01	16.03			
20	16QAM	50	50	16.09	16.08	15.84	17	0	
20	16QAM	100	0	16.08	16.04	16.08			
20	64QAM	1	0	16.02	16.09	16.03			
20	64QAM	1	49	15.99	16.07	16.03			
20	64QAM	1	99	15.95	16.04	16.05	17	0	
20	64QAM	50	0	15.95	16.05	16.05			
20	64QAM	50	24	15.93	16.06	15.86			
20	64QAM	50	50	15.85	15.95	15.89			
20	64QAM	100	0	16.09	16.06	15.96	17	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.88	16.06	15.92	17	0	
15	QPSK	1	37	15.77	15.95	15.85			
15	QPSK	1	74	15.71	15.78	15.83			
15	QPSK	36	0	15.82	16.01	15.81			
15	QPSK	36	20	15.74	15.93	15.90	17	0	
15	QPSK	36	39	15.80	15.98	15.81			
15	QPSK	75	0	15.95	16.04	16.02			
15	16QAM	1	0	15.99	16.06	15.87			
15	16QAM	1	37	15.92	15.93	15.92	17	0	
15	16QAM	1	74	15.93	16.04	15.99			
15	16QAM	36	0	15.72	15.96	15.91			
15	16QAM	36	20	15.86	15.86	15.96			
15	16QAM	36	39	16.06	15.96	15.74	17	0	
15	16QAM	75	0	15.94	16.00	15.97			
15	64QAM	1	0	15.96	16.03	15.96			
15	64QAM	1	37	15.93	16.00	15.94			
15	64QAM	1	74	15.84	15.99	15.96	17	0	
15	64QAM	36	0	15.91	15.96	16.00			
15	64QAM	36	20	15.85	15.92	15.73			
15	64QAM	36	39	15.79	15.90	15.84			
15	64QAM	75	0	15.96	16.00	15.93	17	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.86	16.04	15.89	17	0	
10	QPSK	1	25	15.74	15.93	15.89			
10	QPSK	1	49	15.75	15.84	15.84			
10	QPSK	25	0	15.78	15.95	15.92			
10	QPSK	25	12	15.69	15.90	15.87	17	0	
10	QPSK	25	25	15.74	15.98	15.85			
10	QPSK	50	0	15.94	16.01	16.00			
10	16QAM	1	0	15.97	15.98	15.87			
10	16QAM	1	25	15.93	16.02	15.91	17	0	
10	16QAM	1	49	15.94	15.96	15.98			
10	16QAM	25	0	15.84	16.06	15.88			
10	16QAM	25	12	15.91	15.96	15.90			
10	16QAM	25	25	16.04	16.04	15.71	17	0	
10	16QAM	50	0	15.88	15.95	15.97			
10	64QAM	1	0	15.96	15.94	15.91			
10	64QAM	1	25	15.90	15.96	15.98			
10	64QAM	1	49	15.89	15.99	15.89	17	0	
10	64QAM	25	0	15.92	15.98	15.92			
10	64QAM	25	12	15.77	15.96	15.75			
10	64QAM	25	25	15.74	15.85	15.79			
10	64QAM	50	0	16.05	15.94	15.91	17	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.96	16.05	15.93	17	0	
5	QPSK	1	12	15.79	15.96	15.91			
5	QPSK	1	24	15.73	15.82	15.82			
5	QPSK	12	0	15.72	15.92	15.79			
5	QPSK	12	7	15.80	15.94	15.86	17	0	
5	QPSK	12	13	15.77	15.97	15.84			
5	QPSK	25	0	16.03	15.98	16.03			
5	16QAM	1	0	16.00	16.00	15.96			
5	16QAM	1	12	15.93	16.01	15.91	17	0	
5	16QAM	1	24	15.92	16.03	15.94			
5	16QAM	12	0	15.74	16.06	15.88			
5	16QAM	12	7	15.90	15.92	15.99			
5	16QAM	12	13	16.05	15.97	15.73	17	0	
5	16QAM	25	0	15.96	15.96	15.93			
5	64QAM	1	0	15.94	16.03	15.92			
5	64QAM	1	12	15.90	16.01	15.97			
5	64QAM	1	24	15.85	15.87	15.89	17	0	
5	64QAM	12	0	15.79	15.97	15.90			
5	64QAM	12	7	15.77	15.92	15.79			
5	64QAM	12	13	15.70	15.82	15.86			
5	64QAM	25	0	15.96	15.95	15.89	17	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	15.94	16.00	15.87	17	0	
3	QPSK	1	8	15.77	15.97	15.94			
3	QPSK	1	14	15.81	15.83	15.81			
3	QPSK	8	0	15.84	16.02	15.84			
3	QPSK	8	4	15.71	15.86	15.87	17	0	
3	QPSK	8	7	15.84	15.99	15.83			
3	QPSK	15	0	15.98	15.97	16.02			
3	16QAM	1	0	15.93	15.97	15.83			
3	16QAM	1	8	15.90	16.03	15.97	17	0	
3	16QAM	1	14	15.90	15.95	15.90			
3	16QAM	8	0	15.75	15.99	15.94			
3	16QAM	8	4	15.89	15.98	15.87			
3	16QAM	8	7	15.92	16.01	15.80	17	0	
3	16QAM	15	0	16.03	15.98	16.04			
3	64QAM	1	0	15.85	16.00	15.96			
3	64QAM	1	8	15.92	16.01	15.90			
3	64QAM	1	14	15.81	15.90	15.96	17	0	
3	64QAM	8	0	15.86	15.98	15.92			
3	64QAM	8	4	15.86	15.99	15.73			
3	64QAM	8	7	15.78	15.84	15.85			
3	64QAM	15	0	16.00	16.00	15.80	17	0	
Channel				131973	132322	132663			
Frequency (MHz)				1710.7	1745	1779.2	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.82	16.03	15.84	17	0	
1.4	QPSK	1	3	15.73	15.88	15.89			
1.4	QPSK	1	5	15.76	15.91	15.88			
1.4	QPSK	3	0	16.01	16.00	16.03			
1.4	QPSK	3	1	16.05	16.03	15.83	17	0	
1.4	QPSK	3	3	15.90	15.95	15.84			
1.4	QPSK	6	0	15.97	16.06	15.88			
1.4	16QAM	1	0	15.73	15.99	15.89			
1.4	16QAM	1	3	15.86	16.00	15.89	17	0	
1.4	16QAM	1	5	16.02	16.02	15.79			
1.4	16QAM	3	0	16.04	15.92	16.03			
1.4	16QAM	3	1	15.97	16.00	15.93			
1.4	16QAM	3	3	15.94	15.96	15.91	17	0	
1.4	16QAM	6	0	15.80	15.91	15.94			
1.4	64QAM	1	0	15.87	15.90	15.96			
1.4	64QAM	1	3	15.79	15.97	15.79			
1.4	64QAM	1	5	15.74	15.83	15.80	17	0	
1.4	64QAM	3	0	15.96	15.98	15.89			
1.4	64QAM	3	1	15.77	15.95	15.73			
1.4	64QAM	3	3	15.71	15.81	15.75			

Band 41 Ant4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	15.27	15.35	15.70	15.54	15.55	16.5	0	
20	QPSK	1	49	15.32	15.32	15.63	15.50	15.43			
20	QPSK	1	99	15.35	15.34	15.54	15.41	15.51			
20	QPSK	50	0	15.21	15.37	15.68	15.51	15.54			
20	QPSK	50	24	15.28	15.33	15.59	15.47	15.53	16.5	0	
20	QPSK	50	50	15.25	15.33	15.49	15.42	15.37			
20	QPSK	100	0	15.28	15.39	15.62	15.50	15.58			
20	16QAM	1	0	15.25	15.35	15.68	15.45	15.61			
20	16QAM	1	49	15.21	15.24	15.58	15.57	15.41	16.5	0	
20	16QAM	1	99	15.23	15.35	15.50	15.54	15.47			
20	16QAM	50	0	15.20	15.18	15.48	15.61	15.41			
20	16QAM	50	24	15.21	15.22	15.49	15.49	15.49			
20	16QAM	50	50	15.16	15.17	15.39	15.49	15.34	16.5	0	
20	16QAM	100	0	15.26	15.33	15.68	15.51	15.52			
20	64QAM	1	0	15.25	15.31	15.21	15.06	15.18			
20	64QAM	1	49	15.29	15.25	15.21	15.25	15.05			
20	64QAM	1	99	15.29	15.37	15.23	15.25	15.06	16.5	0	
20	64QAM	50	0	15.34	15.37	15.67	15.41	15.32			
20	64QAM	50	24	15.26	15.20	15.46	15.30	15.49			
20	64QAM	50	50	15.22	15.20	15.39	15.39	15.38			
20	64QAM	100	0	15.26	15.33	15.62	15.35	15.33			
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	15.24	15.28	15.66	15.39	15.39	16.5	0	
15	QPSK	1	37	15.25	15.24	15.58	15.37	15.29			
15	QPSK	1	74	15.26	15.24	15.41	15.25	15.38			
15	QPSK	36	0	15.21	15.33	15.62	15.43	15.44			
15	QPSK	36	20	15.28	15.26	15.53	15.34	15.48	16.5	0	
15	QPSK	36	39	15.23	15.29	15.37	15.33	15.33			
15	QPSK	75	0	15.19	15.24	15.47	15.35	15.53			
15	16QAM	1	0	15.26	15.32	15.63	15.38	15.46			
15	16QAM	1	37	15.26	15.24	15.49	15.47	15.28	16.5	0	
15	16QAM	1	74	15.22	15.26	15.44	15.41	15.37			
15	16QAM	36	0	15.08	15.12	15.34	15.37	15.29			
15	16QAM	36	20	15.05	15.06	15.40	15.38	15.41			
15	16QAM	36	39	15.12	15.14	15.24	15.45	15.28	16.5	0	
15	16QAM	75	0	15.11	15.20	15.30	15.38	15.40			
15	64QAM	1	0	15.16	15.24	15.05	15.08	15.08			
15	64QAM	1	37	15.24	15.17	15.07	15.14	15.04			
15	64QAM	1	74	15.12	15.34	15.12	15.15	15.07	16.5	0	
15	64QAM	36	0	15.16	15.23	15.61	15.34	15.20			
15	64QAM	36	20	15.24	15.27	15.39	15.19	15.41			
15	64QAM	36	39	15.26	15.21	15.25	15.33	15.24			
15	64QAM	75	0	15.12	15.28	15.55	15.32	15.18			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	15.22	15.31	15.66	15.46	15.48	16.5	0	
10	QPSK	1	25	15.16	15.22	15.51	15.38	15.39			
10	QPSK	1	49	15.19	15.19	15.39	15.28	15.36			
10	QPSK	25	0	15.07	15.22	15.52	15.36	15.50			
10	QPSK	25	12	15.22	15.30	15.50	15.43	15.48	16.5	0	
10	QPSK	25	25	15.16	15.27	15.43	15.26	15.32			
10	QPSK	50	0	15.17	15.27	15.54	15.37	15.47			
10	16QAM	1	0	15.15	15.26	15.55	15.31	15.53			
10	16QAM	1	25	15.06	15.17	15.46	15.52	15.27	16.5	0	
10	16QAM	1	49	15.18	15.18	15.33	15.41	15.32			
10	16QAM	25	0	15.14	15.08	15.35	15.54	15.32			
10	16QAM	25	12	15.08	15.16	15.42	15.45	15.42			
10	16QAM	25	25	15.05	15.11	15.29	15.44	15.20	16.5	0	
10	16QAM	50	0	15.19	15.20	15.55	15.35	15.48			
10	64QAM	1	0	15.13	15.26	15.07	15.04	15.08			
10	64QAM	1	25	15.26	15.12	15.15	15.15	15.00			
10	64QAM	1	49	15.21	15.25	15.11	15.11	15.08	16.5	0	
10	64QAM	25	0	15.27	15.22	15.56	15.26	15.27			
10	64QAM	25	12	15.10	15.10	15.33	15.21	15.34			
10	64QAM	25	25	15.15	15.16	15.24	15.26	15.30			
10	64QAM	50	0	15.14	15.18	15.52	15.26	15.25			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	15.20	15.31	15.64	15.48	15.39	16.5	0	
5	QPSK	1	12	15.18	15.20	15.58	15.37	15.29			
5	QPSK	1	24	15.17	15.30	15.50	15.27	15.34			
5	QPSK	12	0	15.19	15.28	15.64	15.37	15.46			
5	QPSK	12	7	15.16	15.30	15.49	15.38	15.42	16.5	0	
5	QPSK	12	13	15.20	15.16	15.34	15.27	15.33			
5	QPSK	25	0	15.24	15.31	15.53	15.45	15.42			
5	16QAM	1	0	15.16	15.21	15.58	15.34	15.45			
5	16QAM	1	12	15.17	15.16	15.47	15.53	15.25	16.5	0	
5	16QAM	1	24	15.11	15.29	15.36	15.41	15.33			
5	16QAM	12	0	15.04	15.08	15.37	15.52	15.32			
5	16QAM	12	7	15.14	15.14	15.40	15.37	15.39			
5	16QAM	12	13	15.08	15.06	15.36	15.41	15.18	16.5	0	
5	16QAM	25	0	15.10	15.21	15.58	15.45	15.43			
5	64QAM	1	0	15.09	15.17	15.16	15.07	15.01			
5	64QAM	1	12	15.17	15.17	15.11	15.10	15.08			
5	64QAM	1	24	15.23	15.21	15.12	15.15	15.02	16.5		0
5	64QAM	12	0	15.30	15.23	15.50	15.33	15.20			
5	64QAM	12	7	15.12	15.07	15.34	15.15	15.33			
5	64QAM	12	13	15.11	15.14	15.31	15.29	15.35			
5	64QAM	25	0	15.14	15.26	15.52	15.26	15.19			

Band 41 HPUE Ant4												
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	18.03	18.12	18.51	18.34	18.35	19.5	0		
20	QPSK	1	49	18.08	18.09	18.35	18.16	18.26				
20	QPSK	1	99	18.09	18.15	18.43	18.20	18.14				
20	QPSK	50	0	18.04	18.11	18.47	18.18	18.37				
20	QPSK	50	24	18.10	18.04	18.25	18.16	18.32	19.5	0		
20	QPSK	50	50	18.03	18.05	18.45	18.20	18.27				
20	QPSK	100	0	18.19	18.21	18.42	18.27	18.29				
20	16QAM	1	0	18.09	18.05	18.32	18.23	18.40				
20	16QAM	1	49	18.01	18.07	18.35	18.22	18.30	19.5	0		
20	16QAM	1	99	17.97	17.98	18.28	18.25	18.13				
20	16QAM	50	0	17.97	18.10	18.20	18.20	18.26				
20	16QAM	50	24	17.99	18.09	18.32	17.99	18.42				
20	16QAM	50	50	18.02	18.12	18.29	18.18	18.17	19.5	0		
20	16QAM	100	0	18.23	18.29	18.49	18.34	18.46				
20	64QAM	1	0	17.81	17.80	18.12	18.12	18.14				
20	64QAM	1	49	17.82	17.80	18.15	18.00	18.24				
20	64QAM	1	99	17.90	17.90	18.07	18.09	17.81	19.5	0		
20	64QAM	50	0	18.12	18.13	18.34	18.24	18.25				
20	64QAM	50	24	18.12	18.03	18.34	17.97	18.36				
20	64QAM	50	50	18.08	18.10	18.26	18.16	18.30				
20	64QAM	100	0	18.11	18.10	18.34	18.31	18.42				
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	18.08	18.18	18.47	18.18	18.25	19.5	0		
15	QPSK	1	37	18.07	18.11	18.26	18.17	18.17				
15	QPSK	1	74	18.04	18.02	18.33	18.07	17.99				
15	QPSK	36	0	18.07	18.16	18.39	18.04	18.20				
15	QPSK	36	20	18.00	18.07	18.16	18.00	18.21	19.5	0		
15	QPSK	36	39	17.98	17.91	18.37	18.13	18.20				
15	QPSK	75	0	18.16	18.17	18.27	18.22	18.19				
15	16QAM	1	0	17.92	17.94	18.21	18.18	18.31				
15	16QAM	1	37	17.88	17.98	18.29	18.17	18.22	19.5	0		
15	16QAM	1	74	17.87	17.90	18.19	18.13	18.08				
15	16QAM	36	0	17.92	18.00	18.10	18.13	18.18				
15	16QAM	36	20	17.94	17.95	18.24	17.86	18.33				
15	16QAM	36	39	17.99	18.08	18.22	18.04	18.06	19.5	0		
15	16QAM	75	0	18.11	18.20	18.36	18.27	18.42				
15	64QAM	1	0	18.69	17.73	18.00	18.00	18.09				
15	64QAM	1	37	18.07	17.94	18.10	17.96	18.12				
15	64QAM	1	74	17.76	17.76	18.01	18.02	17.78	19.5	0		
15	64QAM	36	0	17.99	17.99	18.25	18.09	18.15				
15	64QAM	36	20	18.05	17.99	18.29	17.93	18.25				
15	64QAM	36	39	17.97	17.94	18.12	18.04	18.21				
15	64QAM	75	0	17.95	17.93	18.21	18.18	18.34	19.5	0		
Channel				39700	40160	40620	41080	41540			Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	18.09	18.10	18.45	18.22	18.31			19.5	0
10	QPSK	1	25	18.05	18.13	18.20	18.08	18.21				
10	QPSK	1	49	18.09	18.18	18.31	18.16	18.09				
10	QPSK	25	0	17.88	17.96	18.35	18.12	18.26				
10	QPSK	25	12	18.01	17.95	18.08	18.10	18.27	19.5	0		
10	QPSK	25	25	17.92	18.00	18.35	18.16	18.17				
10	QPSK	50	0	18.13	18.14	18.29	18.23	18.16				
10	16QAM	1	0	18.01	17.88	18.24	18.08	18.32				
10	16QAM	1	25	17.87	18.02	18.21	18.10	18.20	19.5	0		
10	16QAM	1	49	17.94	17.87	18.20	18.21	18.00				
10	16QAM	25	0	18.01	18.16	18.06	18.09	18.19				
10	16QAM	25	12	18.03	18.13	18.16	17.95	18.37				
10	16QAM	25	25	18.06	18.15	18.23	18.15	18.14	19.5	0		
10	16QAM	50	0	18.12	18.18	18.39	18.27	18.39				
10	64QAM	1	0	17.72	17.75	17.98	18.06	18.03				
10	64QAM	1	25	17.67	17.74	17.99	17.86	18.12				
10	64QAM	1	49	17.80	17.84	17.95	17.97	17.64	19.5	0		
10	64QAM	25	0	18.03	18.08	18.27	18.12	18.17				
10	64QAM	25	12	18.00	17.95	18.25	17.88	18.21				
10	64QAM	25	25	18.05	18.11	18.09	18.23	18.36				
10	64QAM	50	0	17.97	18.01	18.24	18.23	18.36				
Channel				39675	40135	40620	41053	41555	Tune-up limit (dbm)	MPR (dB)		
Frequency (MHz)				2498.5	2543.5	2593	2640.30	2687.5				
5	QPSK	1	0	18.08	18.19	18.43	18.20	18.30	19.5	0		
5	QPSK	1	12	18.05	18.17	18.25	18.12	18.19				
5	QPSK	1	24	18.09	18.13	18.40	18.05	18.08				
5	QPSK	12	0	17.99	18.07	18.40	18.15	18.28				
5	QPSK	12	7	18.01	17.90	18.14	17.99	18.29	19.5	0		
5	QPSK	12	13	17.94	17.93	18.39	18.13	18.24				
5	QPSK	25	0	18.12	18.14	18.38	18.10	18.22				
5	16QAM	1	0	18.05	18.11	18.18	18.20	18.33				
5	16QAM	1	12	18.07	18.13	18.21	18.17	18.27	19.5	0		
5	16QAM	1	24	18.04	18.10	18.17	18.08	18.00				
5	16QAM	12	0	17.86	18.03	18.17	18.12	18.19				
5	16QAM	12	7	17.89	17.96	18.26	17.85	18.35				
5	16QAM	12	13	17.89	18.04	18.26	18.15	18.11	19.5	0		
5	16QAM	25	0	18.09	18.24	18.20	18.20	18.37				
5	64QAM	1	0	17.75	17.70	18.07	17.97	18.04				
5	64QAM	1	12	17.73	17.75	18.12	17.89	18.08				
5	64QAM	1	24	17.81	17.76	17.93	17.93	17.66	19.5	0		
5	64QAM	12	0	18.01	18.05	18.24	18.21	18.14				
5	64QAM	12	7	18.06	18.00	18.30	17.87	18.29				
5	64QAM	12	13	17.92	18.06	18.17	18.02	18.18				
5	64QAM	25	0	18.00	17.99	18.19	18.25	18.27				

Band 48 Ant5_FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	15.82	16.08	15.98	15.97	17.5	0
20	QPSK	1	49	15.77	16.04	15.81	15.88		
20	QPSK	1	99	15.72	15.94	15.78	15.89		
20	QPSK	50	0	15.90	16.02	15.97	15.90		
20	QPSK	50	24	15.88	15.97	15.77	15.92	17.5	0
20	QPSK	50	50	15.70	15.88	15.76	15.70		
20	QPSK	100	0	15.76	15.92	15.90	15.90		
20	16QAM	1	0	15.74	15.87	15.89	15.84		
20	16QAM	1	49	15.84	16.01	15.77	15.91	17.5	0
20	16QAM	1	99	15.72	16.00	15.84	15.72		
20	16QAM	50	0	15.98	16.04	16.05	15.80		
20	16QAM	50	24	15.92	16.02	15.92	15.79		
20	16QAM	50	50	15.74	16.04	15.72	15.81	17.5	0
20	16QAM	100	0	15.89	16.02	15.85	15.81		
20	64QAM	1	0	15.56	15.77	15.67	15.52		
20	64QAM	1	49	15.67	15.80	15.57	15.65		
20	64QAM	1	99	15.59	15.78	15.60	15.64	17.5	0
20	64QAM	50	0	16.00	16.03	15.99	15.74		
20	64QAM	50	24	16.01	16.02	15.88	15.74		
20	64QAM	50	50	15.72	16.00	15.65	15.75		
20	64QAM	100	0	15.75	15.97	15.85	15.77		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	15.72	15.97	15.89	15.89	17.5	0
15	QPSK	1	37	15.68	15.91	15.70	15.74		
15	QPSK	1	74	15.64	15.81	15.67	15.80		
15	QPSK	36	0	15.80	15.91	15.89	15.81		
15	QPSK	36	20	15.79	15.84	15.68	15.83	17.5	0
15	QPSK	36	39	15.80	15.76	15.67	15.59		
15	QPSK	75	0	15.65	15.84	15.82	15.79		
15	16QAM	1	0	15.66	15.77	15.77	15.75		
15	16QAM	1	37	15.76	15.87	15.68	15.81	17.5	0
15	16QAM	1	74	15.63	15.91	15.71	15.60		
15	16QAM	36	0	15.89	15.90	15.91	15.66		
15	16QAM	36	20	15.84	15.93	15.84	15.66		
15	16QAM	36	39	15.65	15.91	15.64	15.67	17.5	0
15	16QAM	75	0	15.81	15.89	15.74	15.67		
15	64QAM	1	0	15.55	15.65	15.54	15.59		
15	64QAM	1	37	15.58	15.72	15.54	15.57		
15	64QAM	1	74	15.50	15.68	15.50	15.53	17.5	0
15	64QAM	36	0	15.88	15.90	15.90	15.60		
15	64QAM	36	20	15.93	15.88	15.76	15.65		
15	64QAM	36	39	15.64	15.91	15.52	15.67		
15	64QAM	75	0	15.67	15.86	15.73	15.67		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	15.74	16.00	15.85	15.88	17.5	0
10	QPSK	1	25	15.69	15.92	15.70	15.80		
10	QPSK	1	49	15.64	15.84	15.64	15.80		
10	QPSK	25	0	15.82	15.91	15.87	15.77		
10	QPSK	25	12	15.77	15.89	15.67	15.82	17.5	0
10	QPSK	25	25	15.62	15.78	15.68	15.58		
10	QPSK	50	0	15.62	15.80	15.81	15.80		
10	16QAM	1	0	15.66	15.73	15.77	15.76		
10	16QAM	1	25	15.72	15.92	15.88	15.82	17.5	0
10	16QAM	1	49	15.63	15.92	15.70	15.63		
10	16QAM	25	0	15.89	15.90	15.91	15.68		
10	16QAM	25	12	15.81	15.93	15.80	15.65		
10	16QAM	25	25	15.64	15.92	15.62	15.72	17.5	0
10	16QAM	50	0	15.75	15.93	15.75	15.67		
10	64QAM	1	0	15.55	15.67	15.54	15.54		
10	64QAM	1	25	15.58	15.67	15.51	15.57		
10	64QAM	1	49	15.50	15.69	15.53	15.55	17.5	0
10	64QAM	25	0	15.86	15.91	15.86	15.64		
10	64QAM	25	12	15.93	15.88	15.77	15.65		
10	64QAM	25	25	15.58	15.88	15.52	15.65		
10	64QAM	50	0	15.67	15.83	15.73	15.65		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	15.68	15.94	15.92	15.80	17.5	0
5	QPSK	1	12	15.62	15.90	15.86	15.75		
5	QPSK	1	24	15.64	15.86	15.74	15.76		
5	QPSK	12	0	15.85	15.93	15.91	15.80		
5	QPSK	12	7	15.75	15.85	15.70	15.79	17.5	0
5	QPSK	12	13	15.59	15.71	15.59	15.65		
5	QPSK	25	0	15.69	15.87	15.82	15.78		
5	16QAM	1	0	15.69	15.72	15.77	15.71		
5	16QAM	1	12	15.71	15.95	15.65	15.77	17.5	0
5	16QAM	1	24	15.65	15.83	15.74	15.65		
5	16QAM	12	0	15.85	15.91	15.95	15.69		
5	16QAM	12	7	15.78	15.95	15.78	15.72		
5	16QAM	12	13	15.61	15.96	15.61	15.74	17.5	0
5	16QAM	25	0	15.78	15.93	15.78	15.73		
5	64QAM	1	0	15.51	15.53	15.53	15.51		
5	64QAM	1	12	15.53	15.52	15.50	15.56		
5	64QAM	1	24	15.51	15.53	15.52	15.53	17.5	0
5	64QAM	12	0	15.94	15.96	15.81	15.89		
5	64QAM	12	7	15.95	15.87	15.74	15.64		
5	64QAM	12	13	15.65	15.89	15.59	15.58		
5	64QAM	25	0	15.60	15.82	15.77	15.72		
Channel				55240	55815	56170	56715		
Frequency (MHz)				3550	3607.5	3642.5	3697.5	Tune-up limit (dBm)	MPR (dB)

Band 41 Ant7												
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	17.57	17.64	17.99	17.79	17.77	19	0		
20	QPSK	1	49	17.57	17.61	17.87	17.49	17.82				
20	QPSK	1	99	17.58	17.65	17.89	17.67	17.83				
20	QPSK	50	0	17.48	17.68	17.82	17.73	17.80				
20	QPSK	50	24	17.64	17.75	17.80	17.65	17.76				
20	QPSK	50	50	17.58	17.64	17.81	17.73	17.79	19	0		
20	QPSK	100	0	17.51	17.78	17.86	17.84	17.76				
20	16QAM	1	0	17.42	17.47	17.83	17.62	17.62				
20	16QAM	1	49	17.53	17.53	17.74	17.57	17.62				
20	16QAM	1	99	17.51	17.56	17.72	17.52	17.72				
20	16QAM	50	0	17.59	17.84	17.95	17.65	17.88	19	0		
20	16QAM	50	24	17.60	17.81	17.70	17.49	17.75				
20	16QAM	50	50	17.63	17.68	17.79	17.58	17.92				
20	16QAM	100	0	17.52	17.77	17.84	17.73	17.83				
20	64QAM	1	0	17.01	17.14	17.30	17.09	17.29				
20	64QAM	1	49	17.02	17.27	17.39	17.05	17.21	19	0		
20	64QAM	1	99	17.13	17.16	17.31	17.14	17.31				
20	64QAM	50	0	17.14	17.23	17.32	17.05	17.34				
20	64QAM	50	24	17.17	17.38	17.34	17.19	17.32				
20	64QAM	50	50	17.27	17.18	17.27	17.08	17.44				
20	64QAM	100	0	17.04	17.38	17.30	17.29	17.27	18.5	0.5		
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	17.55	17.65	17.91	17.83	17.69	19.0	0		
15	QPSK	1	37	17.52	17.66	17.93	17.51	17.77				
15	QPSK	1	74	17.59	17.66	17.88	17.64	17.85				
15	QPSK	36	0	17.42	17.67	17.82	17.76	17.85				
15	QPSK	36	20	17.64	17.75	17.86	17.69	17.70				
15	QPSK	36	39	17.61	17.59	17.74	17.70	17.72	19	0		
15	QPSK	75	0	17.51	17.84	17.86	17.77	17.72				
15	16QAM	1	0	17.45	17.40	17.78	17.60	17.65				
15	16QAM	1	37	17.52	17.51	17.74	17.54	17.54				
15	16QAM	1	74	17.57	17.56	17.66	17.47	17.71				
15	16QAM	36	0	17.55	17.88	17.90	17.61	17.94	19	0		
15	16QAM	36	20	17.60	17.77	17.75	17.54	17.80				
15	16QAM	36	39	17.56	17.66	17.84	17.52	17.97				
15	16QAM	75	0	17.50	17.74	17.79	17.71	17.82				
15	64QAM	1	0	17.06	17.13	17.23	17.03	17.24				
15	64QAM	1	37	17.06	17.21	17.35	17.01	17.15	19	0		
15	64QAM	1	74	17.07	17.12	17.29	17.11	17.36				
15	64QAM	36	0	17.05	17.07	17.15	17.00	17.21				
15	64QAM	36	20	17.05	17.22	17.21	17.04	17.15				
15	64QAM	36	39	17.15	17.16	17.06	16.97	17.15				
15	64QAM	75	0	16.91	17.18	17.10	17.17	17.22	18.5	0.5		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	17.53	17.68	17.96	17.72	17.78	19.0	0		
10	QPSK	1	25	17.52	17.59	17.92	17.50	17.85				
10	QPSK	1	49	17.59	17.66	17.92	17.67	17.80				
10	QPSK	25	0	17.44	17.61	17.80	17.77	17.73				
10	QPSK	25	12	17.63	17.69	17.79	17.69	17.76				
10	QPSK	25	25	17.54	17.67	17.80	17.67	17.81	19	0		
10	QPSK	50	0	17.51	17.83	17.82	17.85	17.77				
10	16QAM	1	0	17.35	17.45	17.76	17.57	17.61				
10	16QAM	1	25	17.57	17.46	17.76	17.62	17.60				
10	16QAM	1	49	17.56	17.51	17.67	17.46	17.75				
10	16QAM	25	0	17.60	17.85	17.92	17.69	17.91	19	0		
10	16QAM	25	12	17.53	17.77	17.63	17.46	17.73				
10	16QAM	25	25	17.60	17.66	17.83	17.61	17.92				
10	16QAM	50	0	17.49	17.79	17.89	17.76	17.85				
10	64QAM	1	0	17.04	17.14	17.29	17.02	17.28				
10	64QAM	1	25	17.04	17.23	17.35	17.06	17.19	19	0		
10	64QAM	1	49	17.17	17.19	17.31	17.07	17.28				
10	64QAM	25	0	17.12	17.16	17.20	17.04	17.23				
10	64QAM	25	12	17.06	17.37	17.24	17.15	17.20				
10	64QAM	25	25	17.08	17.20	17.11	16.99	17.35				
10	64QAM	50	0	17.06	17.22	17.24	17.30	17.25	18.5	0.5		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	17.61	17.64	17.98	17.80	17.78	19.0	0		
5	QPSK	1	12	17.56	17.63	17.92	17.51	17.77				
5	QPSK	1	24	17.53	17.66	17.85	17.65	17.78				
5	QPSK	12	0	17.50	17.71	17.84	17.65	17.73				
5	QPSK	12	7	17.57	17.73	17.84	17.64	17.79				
5	QPSK	12	13	17.52	17.65	17.74	17.73	17.74	19	0		
5	QPSK	25	0	17.50	17.83	17.80	17.82	17.80				
5	16QAM	1	0	17.47	17.43	17.88	17.61	17.61				
5	16QAM	1	12	17.49	17.48	17.69	17.53	17.61				
5	16QAM	1	24	17.53	17.58	17.68	17.53	17.66				
5	16QAM	12	0	17.55	17.87	17.93	17.58	17.82	19	0		
5	16QAM	12	7	17.61	17.85	17.72	17.54	17.76				
5	16QAM	12	13	17.63	17.72	17.76	17.61	17.91				
5	16QAM	25	0	17.46	17.79	17.89	17.72	17.78				
5	64QAM	1	0	17.06	17.20	17.26	17.03	17.33				
5	64QAM	1	12	17.07	17.32	17.42	17.07	17.15	19	0		
5	64QAM	1	24	17.06	17.08	17.32	17.17	17.34				
5	64QAM	12	0	17.09	17.04	17.29	16.91	17.23				
5	64QAM	12	7	17.07	17.27	17.13	17.11	17.25				
5	64QAM	12	13	17.25	17.06	17.15	16.89	17.35				
5	64QAM	25	0	16.88	17.20	17.17	17.24	17.27	18.5	0.5		

Band 41 HPUE Ant7														
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	20.61	20.65	21.05	20.72	20.82	22	0				
20	QPSK	1	49	20.68	20.74	20.87	20.65	20.81						
20	QPSK	1	99	20.72	20.72	20.83	20.68	20.68						
20	QPSK	50	0	20.85	20.92	21.01	20.83	20.88						
20	QPSK	50	24	20.65	20.64	20.92	20.91	20.87	22	0				
20	QPSK	50	50	20.61	20.78	20.97	20.80	20.86						
20	QPSK	100	0	20.62	20.69	20.97	20.70	20.81						
20	16QAM	1	0	20.77	20.78	21.02	20.78	20.80						
20	16QAM	1	49	20.70	20.80	20.73	20.73	20.70	22	0				
20	16QAM	1	99	20.76	20.84	20.99	20.70	20.80						
20	16QAM	50	0	20.82	20.70	20.80	20.74	20.78						
20	16QAM	50	24	20.64	20.81	20.94	20.74	20.82						
20	16QAM	50	50	20.64	20.91	20.80	20.70	20.75	22	0				
20	16QAM	100	0	20.77	20.64	20.96	20.80	20.80						
20	64QAM	1	0	20.53	20.73	20.84	20.76	20.82						
20	64QAM	1	49	20.61	20.51	20.70	20.85	20.67						
20	64QAM	1	99	20.50	20.82	20.75	20.81	20.68	22	0				
20	64QAM	50	0	20.39	20.39	20.67	20.27	20.38						
20	64QAM	50	24	20.23	20.39	20.56	20.33	20.43						
20	64QAM	50	50	20.27	20.42	20.51	20.35	20.25						
20	64QAM	100	0	20.33	20.21	20.62	20.18	20.38	21.5	0.5				
Channel				39725	40173	40620	41088	41515						
Frequency (MHz)				2503.5	2546.3	2593.6	2636.5	2680.5						
15	QPSK	1	0	20.54	20.66	20.98	20.71	20.79			22.0	0		
15	QPSK	1	37	20.61	20.75	20.86	20.66	20.77						
15	QPSK	1	74	20.67	20.76	20.86	20.67	20.65						
15	QPSK	36	0	20.80	20.90	21.03	20.79	20.83						
15	QPSK	36	20	20.60	20.62	20.88	20.94	20.88	22	0				
15	QPSK	36	39	20.56	20.75	20.91	20.80	20.82						
15	QPSK	75	0	20.68	20.65	20.90	20.69	20.78						
15	16QAM	1	0	20.82	20.74	20.99	20.72	20.81						
15	16QAM	1	37	20.63	20.73	20.94	20.75	20.63	22	0				
15	16QAM	1	74	20.73	20.79	20.99	20.62	20.77						
15	16QAM	36	0	20.78	20.67	20.85	20.70	20.77						
15	16QAM	36	20	20.61	20.56	21.00	20.79	20.78						
15	16QAM	36	39	20.67	20.92	20.86	20.70	20.78	22	0				
15	16QAM	75	0	20.72	20.57	20.90	20.81	20.73						
15	64QAM	1	0	20.49	20.86	20.98	20.76	20.81						
15	64QAM	1	37	20.56	20.49	20.62	20.85	20.63						
15	64QAM	1	74	20.55	20.84	20.80	20.81	20.65	22	0				
15	64QAM	36	0	20.36	20.35	20.54	20.27	20.29						
15	64QAM	36	20	20.20	20.05	20.46	20.30	20.28						
15	64QAM	36	39	20.10	20.33	20.49	20.29	20.25						
15	64QAM	75	0	20.13	20.22	20.42	20.02	20.33	21.5	0.5				
Channel				39700	40160	40620	41080	41540						
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	20.57	20.60	20.97	20.70	20.74			22.0	0		
10	QPSK	1	25	20.67	20.71	20.92	20.58	20.86						
10	QPSK	1	49	20.77	20.66	20.80	20.62	20.71						
10	QPSK	25	0	20.85	20.98	21.04	20.84	20.86						
10	QPSK	25	12	20.62	20.62	20.92	20.97	20.82	22	0				
10	QPSK	25	25	20.62	20.72	20.93	20.78	20.90						
10	QPSK	50	0	20.60	20.70	20.94	20.67	20.75						
10	16QAM	1	0	20.75	20.72	20.95	20.82	20.85						
10	16QAM	1	25	20.66	20.85	20.82	20.76	20.73	22	0				
10	16QAM	1	49	20.68	20.78	20.99	20.72	20.73						
10	16QAM	25	0	20.86	20.66	20.76	20.79	20.82						
10	16QAM	25	12	20.56	20.62	20.96	20.76	20.83						
10	16QAM	25	25	20.58	20.88	20.76	20.64	20.70	22	0				
10	16QAM	50	0	20.69	20.62	20.97	20.84	20.79						
10	64QAM	1	0	20.48	20.73	20.84	20.71	20.85						
10	64QAM	1	25	20.65	20.49	20.65	20.79	20.69						
10	64QAM	1	49	20.52	20.81	20.69	20.86	20.62	22	0				
10	64QAM	25	0	20.17	20.26	20.66	20.24	20.31						
10	64QAM	25	12	20.18	20.30	20.56	20.24	20.36						
10	64QAM	25	25	20.24	20.30	20.58	20.21	20.26						
10	64QAM	50	0	20.31	20.45	20.62	20.19	20.17	21.5	0.5				
Channel				2497.5	2545.8	2593	2640.3	2687.5						
Frequency (MHz)				2061.5	2104.8	2152.2	2199.3	2246.5						
5	QPSK	1	0	20.59	20.67	21.02	20.76	20.84			22.0	0		
5	QPSK	1	12	20.61	20.79	20.82	20.60	20.82						
5	QPSK	1	24	20.75	20.76	20.84	20.73	20.62						
5	QPSK	12	0	20.79	20.88	20.94	20.80	20.91						
5	QPSK	12	7	20.69	20.69	20.86	20.91	20.88	22	0				
5	QPSK	12	13	20.62	20.74	21.01	20.76	20.79						
5	QPSK	25	0	20.55	20.65	20.99	20.74	20.85						
5	16QAM	1	0	20.75	20.76	20.97	20.76	20.82						
5	16QAM	1	12	20.69	20.82	20.91	20.77	20.71	22	0				
5	16QAM	1	24	20.73	20.90	21.00	20.66	20.86						
5	16QAM	12	0	20.80	20.72	20.82	20.76	20.72						
5	16QAM	12	7	20.65	20.65	20.91	20.67	20.78						
5	16QAM	12	13	20.61	20.87	20.83	20.68	20.73	22	0				
5	16QAM	25	0	20.72	20.57	20.94	20.73	20.79						
5	64QAM	1	0	20.48	20.67	20.83	20.74	20.74						
5	64QAM	1	12	20.62	20.56	20.64	20.80	20.62						
5	64QAM	1	24	20.54	20.82	20.76	20.82	20.70	22	0				
5	64QAM	12	0	20.18	20.20	20.52	20.08	20.34						
5	64QAM	12	7	20.16	20.07	20.39	20.19	20.38						
5	64QAM	12	13	20.18	20.37	20.38	20.36	20.25						
5	64QAM	25	0	20.16	20.17	20.60	20.21	20.32	21.5	0.5				

ECI3 Power

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM1 Tx slot	28.12	28.23	28.02	29.00	19.12	19.23	19.02	20.00
GPRS 1 Tx slot	27.99	28.01	27.94	29.00	18.99	19.01	18.94	20.00
GPRS 2 Tx slots	28.92	26.97	26.99	28.00	20.92	20.97	20.99	22.00
GPRS 3 Tx slots	24.88	24.95	24.90	26.00	20.62	20.69	20.64	21.74
GPRS 4 Tx slots	23.70	23.81	23.74	25.00	20.70	20.81	20.74	22.00
EDGE 1 Tx slot	21.72	21.77	21.67	23.00	12.72	12.77	12.67	14.00
EDGE 2 Tx slots	20.59	20.76	20.56	21.50	14.59	14.76	14.56	15.50
EDGE 3 Tx slots	18.42	18.37	18.43	19.50	14.16	14.11	14.17	15.24
EDGE 4 Tx slots	17.01	17.01	16.99	18.00	14.01	14.01	13.99	15.00

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM1 Tx slot	21.09	21.23	21.00	21.50	12.09	12.23	12.00	12.50
GPRS 1 Tx slot	21.08	21.21	20.99	21.50	12.08	12.21	11.99	12.50
GPRS 2 Tx slots	20.35	20.37	20.08	20.50	14.35	14.37	14.08	14.50
GPRS 3 Tx slots	18.34	18.41	18.02	19.00	14.08	14.15	13.76	14.74
GPRS 4 Tx slots	17.17	17.11	17.08	17.50	14.17	14.11	14.08	14.50
EDGE 1 Tx slot	16.86	16.86	16.66	18.00	7.86	7.86	7.66	9.00
EDGE 2 Tx slots	15.73	15.81	15.64	17.00	9.73	9.81	9.64	11.00
EDGE 3 Tx slots	13.73	13.80	13.66	15.00	9.47	9.54	9.40	10.74
EDGE 4 Tx slots	12.31	12.33	12.27	13.50	9.31	9.33	9.27	10.50

Band	WCDMA II Ant0				Tune-up Limit (dBm)	WCDMA IV Ant0				Tune-up Limit (dBm)	WCDMA V Ant0				Tune-up Limit (dBm)				
	TX Channel					1312		1413			1513		4132			4182		4233	
	Rx Channel					1537		1638			1738		4357			4407		4458	
	Frequency (MHz)					1712.4		1732.6			1752.8		2062.4			2069.4		2069.6	
3GPP Rel 99	AMR 12.2Kbps	13.14	13.42	13.41	15.00	15.68	16.05	15.90	17.50	20.60	20.65	20.48	22.00						
3GPP Rel 99	RMC 12.2Kbps	13.26	13.48	13.41	15.00	16.04	16.06	15.92	17.50	20.65	20.74	20.61	22.00						
3GPP Rel 6	HSDPA Subtest-1	12.33	12.47	12.40	14.00	14.96	14.98	14.67	16.50	19.66	19.73	19.50	21.00						
3GPP Rel 6	HSDPA Subtest-2	12.31	12.47	12.44	14.00	14.93	15.03	14.80	16.50	19.56	19.73	19.53	21.00						
3GPP Rel 6	HSDPA Subtest-3	11.81	11.98	11.71	13.50	14.48	14.46	14.28	16.00	19.16	19.18	19.17	20.50						
3GPP Rel 6	HSDPA Subtest-4	11.82	11.89	12.04	13.50	14.59	14.49	14.22	16.00	19.26	19.34	19.09	20.50						
3GPP Rel 8	DC-HSDPA Subtest-1	12.16	12.41	12.22	14.00	14.80	14.96	14.85	16.50	19.63	19.88	19.55	21.00						
3GPP Rel 8	DC-HSDPA Subtest-2	12.24	12.25	12.40	14.00	15.04	15.13	15.00	16.50	19.84	19.89	19.67	21.00						
3GPP Rel 8	DC-HSDPA Subtest-3	11.53	11.90	11.64	13.50	14.48	14.61	14.36	16.00	19.19	19.11	19.06	20.50						
3GPP Rel 8	DC-HSDPA Subtest-4	11.74	11.78	11.97	13.50	14.51	14.43	14.29	16.00	19.25	19.25	18.98	20.50						
3GPP Rel 6	HSUPA Subtest-1	12.35	12.41	12.17	14.00	14.93	15.05	14.71	16.50	19.69	19.73	19.79	21.00						
3GPP Rel 6	HSUPA Subtest-2	10.31	10.48	10.35	12.00	13.11	13.09	12.93	14.50	17.55	17.68	17.58	19.00						
3GPP Rel 6	HSUPA Subtest-3	11.34	11.60	11.49	13.00	13.96	13.93	13.81	15.50	18.65	18.81	18.69	20.00						
3GPP Rel 6	HSUPA Subtest-4	10.29	10.48	10.46	12.00	12.89	12.89	12.74	14.50	17.68	17.71	17.62	19.00						
3GPP Rel 6	HSUPA Subtest-5	12.00	12.33	12.28	14.00	15.07	15.09	14.75	16.50	19.69	19.76	19.64	21.00						
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	9.84	10.08	10.00	11.50	12.45	12.62	12.32	14.00	17.07	17.10	16.97	18.50						

Band 2 Ant0												
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)				18700	18900	19100						
20	QPSK	1	0	13.51	13.61	13.54	15	0				
20	QPSK	1	49	13.37	13.60	13.55						
20	QPSK	1	99	13.38	13.59	13.47						
20	QPSK	50	0	13.50	13.58	13.55						
20	QPSK	50	24	13.35	13.56	13.57	15	0				
20	QPSK	50	50	13.32	13.59	13.56						
20	QPSK	100	0	13.44	13.63	13.54						
20	16QAM	1	0	13.33	13.53	13.55						
20	16QAM	1	49	13.30	13.59	13.52	15	0				
20	16QAM	1	99	13.40	13.64	13.49						
20	16QAM	50	0	13.40	13.52	13.65						
20	16QAM	50	24	13.44	13.59	13.58						
20	16QAM	50	50	13.35	13.50	13.62	15	0				
20	16QAM	100	0	13.44	13.57	13.53						
20	64QAM	1	0	13.36	13.56	13.48						
20	64QAM	1	49	13.37	13.58	13.51						
20	64QAM	1	99	13.43	13.57	13.57	15	0				
20	64QAM	50	0	13.34	13.56	13.43						
20	64QAM	50	24	13.33	13.62	13.53						
20	64QAM	50	50	13.47	13.53	13.52						
20	64QAM	100	0	13.46	13.53	13.47	15	0				
Channel												
Frequency (MHz)				1867.5	18900	19125				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5						
15	QPSK	1	0	13.49	13.62	13.54				15	0	
15	QPSK	1	37	13.40	13.55	13.50						
15	QPSK	1	74	13.40	13.50	13.47						
15	QPSK	36	0	13.49	13.53	13.58						
15	QPSK	36	20	13.38	13.57	13.59	15	0				
15	QPSK	36	39	13.33	13.52	13.59						
15	QPSK	75	0	13.38	13.66	13.57						
15	16QAM	1	0	13.39	13.47	13.56						
15	16QAM	1	37	13.35	13.60	13.53	15	0				
15	16QAM	1	74	13.34	13.66	13.46						
15	16QAM	36	0	13.37	13.49	13.66						
15	16QAM	36	20	13.44	13.64	13.61						
15	16QAM	36	39	13.36	13.53	13.63	15	0				
15	16QAM	75	0	13.52	13.58	13.55						
15	64QAM	1	0	13.43	13.61	13.49						
15	64QAM	1	37	13.42	13.54	13.48						
15	64QAM	1	74	13.46	13.51	13.53	15	0				
15	64QAM	36	0	13.40	13.52	13.45						
15	64QAM	36	20	13.35	13.64	13.48						
15	64QAM	36	39	13.45	13.58	13.50						
15	64QAM	75	0	13.44	13.55	13.45	15	0				
Channel												
Frequency (MHz)				18650	18900	19150				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905						
10	QPSK	1	0	13.46	13.66	13.53	15	0				
10	QPSK	1	25	13.33	13.56	13.48						
10	QPSK	1	49	13.37	13.50	13.42						
10	QPSK	25	0	13.49	13.55	13.56						
10	QPSK	25	12	13.35	13.51	13.52	15	0				
10	QPSK	25	25	13.38	13.54	13.51						
10	QPSK	50	0	13.42	13.64	13.58						
10	16QAM	1	0	13.39	13.48	13.55						
10	16QAM	1	25	13.31	13.64	13.58	15	0				
10	16QAM	1	49	13.35	13.64	13.44						
10	16QAM	25	0	13.36	13.53	13.62						
10	16QAM	25	12	13.42	13.62	13.59						
10	16QAM	25	25	13.35	13.55	13.62	15	0				
10	16QAM	50	0	13.44	13.64	13.50						
10	64QAM	1	0	13.45	13.59	13.50						
10	64QAM	1	25	13.42	13.59	13.52						
10	64QAM	1	49	13.41	13.59	13.51	15	0				
10	64QAM	25	0	13.35	13.51	13.46						
10	64QAM	25	12	13.36	13.62	13.56						
10	64QAM	25	25	13.41	13.52	13.56						
10	64QAM	50	0	13.48	13.60	13.45	15	0				
Channel												
Frequency (MHz)				18625	18900	19175				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5						
5	QPSK	1	0	13.52	13.68	13.57	15	0				
5	QPSK	1	12	13.36	13.58	13.53						
5	QPSK	1	24	13.41	13.55	13.48						
5	QPSK	12	0	13.51	13.56	13.54						
5	QPSK	12	7	13.42	13.57	13.58	15	0				
5	QPSK	12	13	13.31	13.57	13.59						
5	QPSK	25	0	13.35	13.67	13.58						
5	16QAM	1	0	13.36	13.54	13.59						
5	16QAM	1	12	13.35	13.62	13.56	15	0				
5	16QAM	1	24	13.38	13.68	13.53						
5	16QAM	12	0	13.41	13.57	13.64						
5	16QAM	12	7	13.42	13.66	13.53						
5	16QAM	12	13	13.38	13.57	13.66	15	0				
5	16QAM	25	0	13.52	13.61	13.50						
5	64QAM	1	0	13.43	13.57	13.47						
5	64QAM	1	12	13.37	13.54	13.47						
5	64QAM	1	24	13.42	13.54	13.49	15	0				
5	64QAM	12	0	13.37	13.56	13.46						
5	64QAM	12	7	13.37	13.63	13.50						
5	64QAM	12	13	13.44	13.51	13.48						
5	64QAM	25	0	13.50	13.61	13.44	15	0				
Channel												
Frequency (MHz)				18615	18900	19185				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5						
3	QPSK	1	0	13.52	13.63	13.53	15	0				
3	QPSK	1	8	13.37	13.64	13.47						
3	QPSK	1	14	13.45	13.51	13.45						
3	QPSK	8	0	13.45	13.55	13.52						
3	QPSK	8	4	13.43	13.58	13.59	15	0				
3	QPSK	8	7	13.36	13.56	13.54						
3	QPSK	15	0	13.35	13.60	13.56						
3	16QAM	1	0	13.38	13.53	13.55						
3	16QAM	1	8	13.35	13.57	13.55	15	0				
3	16QAM	1	14	13.31	13.60	13.49						
3	16QAM	8	0	13.42	13.58	13.68						
3	16QAM	8	4	13.45	13.67	13.52						
3	16QAM	8	7	13.37	13.52	13.58	15	0				
3	16QAM	15	0	13.47	13.58	13.52						
3	64QAM	1	0	13.41	13.60	13.40						
3	64QAM	1	8	13.38	13.62	13.51						
3	64QAM	1	14	13.46	13.57	13.56	15	0				
3	64QAM	8	0	13.35	13.53	13.41						
3	64QAM	8	4	13.41	13.64	13.52						
3	64QAM	8	7	13.41	13.59	13.48						
3	64QAM	15	0	13.44	13.54	13.48	15	0				
Channel												
Frequency (MHz)				18607	18900	19193				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3						
1.4	QPSK	1	0	13.52	13.68	13.52	15	0				
1.4	QPSK	1	3	13.40	13.59	13.51						
1.4	QPSK	1	5	13.44	13.52	13.43						
1.4	QPSK	3	0	13.50	13.56	13.54						
1.4	QPSK	3	1	13.37	13.50	13.59	15	0				
1.4	QPSK	3	3	13.39	13.58	13.56						
1.4	QPSK	6	0	13.43	13.65	13.60	15	0				
1.4	QPSK	1	0	13.42	13.56	13.52						
1.4	16QAM	1	0	13.33	13.51	13.57						
1.4	16QAM	1	5	13.33	13.62	13.49						
1.4	16QAM	3	0	13.37	13.53	13.67	15	0				
1.4	16QAM	3	1	13.45	13.65	13.51						
1.4	16QAM	3	3	13.42	13.52	13.58						
1.4	16QAM	6	0	13.47	13.58	13.52						
1.4	64QAM	1	0	13.40	13.54	13.43	15	0				
1.4	64QAM	1	3	13.36	13.59	13.49						
1.4	64QAM	1	5	13.40	13.54	13.42						
1.4	64QAM	3	0	13.38	13.54	13.40						
1.4	64QAM	3	1	13.38	13.62	13.48	15	0				
1.4	64QAM	3	3	13.41	13.60	13.46						
1.4	64QAM	6	0	13.46	13.53	13.44						

Band 12 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.70	22.72	22.71			
10	QPSK	1	25	22.55	22.66	22.49			
10	QPSK	1	49	22.65	22.67	22.62	23	1	
10	QPSK	25	0	21.59	21.82	21.68			
10	QPSK	25	12	21.53	21.54	21.58			
10	QPSK	25	25	21.71	21.73	21.55			
10	QPSK	50	0	21.49	21.69	21.54	23	1	
10	16QAM	1	0	21.82	22.02	22.01			
10	16QAM	1	25	21.64	21.76	21.76			
10	16QAM	1	49	21.74	21.91	21.88			
10	16QAM	25	0	20.64	20.88	20.71	22	2	
10	16QAM	25	12	20.60	20.60	20.69			
10	16QAM	25	25	20.59	20.71	20.45			
10	16QAM	50	0	20.58	20.66	20.42			
10	64QAM	1	0	20.70	20.98	20.95	22	2	
10	64QAM	1	25	20.53	20.68	20.84			
10	64QAM	1	49	20.66	20.85	20.80			
10	64QAM	25	0	19.66	19.88	19.69			
10	64QAM	25	12	19.56	19.64	19.64	21	3	
10	64QAM	25	25	19.51	19.77	19.56			
10	64QAM	50	0	19.47	19.60	19.33			
Channel				23035	23095	23155	24	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.51	22.68	22.51			
5	QPSK	1	12	22.53	22.46	22.29			
5	QPSK	1	24	22.49	22.50	22.46	23	1	
5	QPSK	12	0	21.35	21.71	21.51			
5	QPSK	12	7	21.45	21.37	21.36			
5	QPSK	12	13	21.65	21.72	21.51			
5	QPSK	25	0	21.41	21.60	21.37	23	1	
5	16QAM	1	0	21.73	21.87	21.98			
5	16QAM	1	12	21.54	21.76	21.57			
5	16QAM	1	24	21.71	21.76	21.85			
5	16QAM	12	0	20.61	20.85	20.51	22	2	
5	16QAM	12	7	20.56	20.40	20.62			
5	16QAM	12	13	20.53	20.55	20.39			
5	16QAM	25	0	20.37	20.52	20.19			
5	64QAM	1	0	20.45	20.85	20.79	22	2	
5	64QAM	1	12	20.48	20.80	20.75			
5	64QAM	1	24	20.63	20.73	20.79			
5	64QAM	12	0	19.43	19.83	19.54			
5	64QAM	12	7	19.51	19.46	19.46	21	3	
5	64QAM	12	13	19.39	19.58	19.38			
5	64QAM	25	0	19.34	19.39	19.26			
Channel				23025	23095	23165	24	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.57	22.64	22.80			
3	QPSK	1	8	22.48	22.45	22.34			
3	QPSK	1	14	22.52	22.49	22.49	23	1	
3	QPSK	8	0	21.39	21.79	21.65			
3	QPSK	8	4	21.50	21.31	21.54			
3	QPSK	8	7	21.67	21.54	21.53			
3	QPSK	15	0	21.29	21.53	21.30	23	1	
3	16QAM	1	0	21.66	21.79	21.95			
3	16QAM	1	8	21.47	21.76	21.58			
3	16QAM	1	14	21.69	21.85	21.78			
3	16QAM	8	0	20.53	20.61	20.51	22	2	
3	16QAM	8	4	20.37	20.58	20.60			
3	16QAM	8	7	20.49	20.46	20.42			
3	16QAM	15	0	20.51	20.57	20.31			
3	64QAM	1	0	20.53	20.86	20.76	22	2	
3	64QAM	1	8	20.48	20.51	20.72			
3	64QAM	1	14	20.62	20.70	20.60			
3	64QAM	8	0	19.41	19.83	19.48			
3	64QAM	8	4	19.49	19.54	19.40	21	3	
3	64QAM	8	7	19.42	19.74	19.53			
3	64QAM	15	0	19.36	19.58	19.23			
Channel				23017	23095	23173	23	1	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.41	22.66	22.48			
1.4	QPSK	1	3	22.33	22.39	22.25			
1.4	QPSK	1	5	22.46	22.44	22.28	24	0	
1.4	QPSK	3	0	22.37	22.65	22.48			
1.4	QPSK	3	1	22.46	22.31	22.15			
1.4	QPSK	3	3	22.31	22.40	22.51			
1.4	QPSK	6	0	21.46	21.63	21.42	23	1	
1.4	16QAM	1	0	21.77	21.78	21.83			
1.4	16QAM	1	3	21.59	21.63	21.64			
1.4	16QAM	1	5	21.56	21.79	21.79			
1.4	16QAM	3	0	21.75	21.76	21.65	23	1	
1.4	16QAM	3	1	21.50	21.41	21.63			
1.4	16QAM	3	3	21.42	21.78	21.69			
1.4	16QAM	6	0	20.54	20.72	20.88			
1.4	64QAM	1	0	20.60	20.76	20.70	22	2	
1.4	64QAM	1	3	20.40	20.59	20.62			
1.4	64QAM	1	5	20.56	20.75	20.67			
1.4	64QAM	3	0	20.55	20.67	20.59			
1.4	64QAM	3	1	20.26	20.37	20.46	22	2	
1.4	64QAM	3	3	20.43	20.74	20.67			
1.4	64QAM	6	0	19.38	19.59	19.15			
1.4	64QAM	6	0	19.38	19.59	19.15			

Band 13 Ant0									
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				23230	23230	23230	24	0	
Frequency (MHz)				782	782	784.5			
10	QPSK	1	0	22.75	22.75	22.75			
10	QPSK	1	25	22.70	22.70	22.70			
10	QPSK	1	49	22.73	22.73	22.73	23 <th colspan="2" rowspan="4">1</th>	1	
10	QPSK	25	0	21.57	21.57	21.51			
10	QPSK	25	12	21.51	21.51	21.51			
10	QPSK	25	25	21.54	21.54	21.54			
10	QPSK	50	0	21.76	21.76	21.76	23 <th colspan="2" rowspan="4">1</th>	1	
10	16QAM	1	0	21.93	21.93	21.93			
10	16QAM	1	25	21.83	21.83	21.83			
10	16QAM	1	49	21.89	21.89	21.89			
10	16QAM	25	0	20.59	20.59	20.59	22 <th colspan="2" rowspan="4">2</th>	2	
10	16QAM	25	12	20.41	20.41	20.41			
10	16QAM	25	25	20.53	20.53	20.53			
10	16QAM	50	0	20.73	20.73	20.73			
10	64QAM	1	0	20.87	20.87	20.87	22 <th colspan="2" rowspan="4">2</th>	2	
10	64QAM	1	25	20.61	20.61	20.61			
10	64QAM	1	49	20.70	20.70	20.70			
10	64QAM	25	0	19.59	19.59	19.59			
10	64QAM	25	12	19.63	19.63	19.63	21 <th colspan="2" rowspan="3">3</th>	3	
10	64QAM	25	25	19.56	19.56	19.56			
10	64QAM	50	0	19.72	19.72	19.72			
Channel				23205	23230	23255	24	0	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.64	22.73	22.72			
5	QPSK	1	12	22.68	22.62	22.63			
5	QPSK	1	24	22.74	22.74	22.67	23 <th colspan="2" rowspan="4">1</th>	1	
5	QPSK	12	0	21.54	21.57	21.42			
5	QPSK	12	7	21.50	21.46	21.35			
5	QPSK	12	13	21.51	21.34	21.47			
5	QPSK	25	0	21.76	21.56	21.59	23 <th colspan="2" rowspan="3">1</th>	1	
5	16QAM	1	0	21.87	21.85	21.82			
5	16QAM	1	12	21.69	21.76	21.85			
5	16QAM	1	24	21.89	21.88	21.81	22 <th colspan="2" rowspan="4">2</th>	2	
5	16QAM	12	0	20.51	20.42	20.58			
5	16QAM	12	7	20.38	20.40	20.21			
5	16QAM	12	13	20.47	20.39	20.37			
5	16QAM	25	0	20.72	20.63	20.53	22 <th colspan="2" rowspan="4">2</th>	2	
5	64QAM	1	0	20.73	20.71	20.70			
5	64QAM	1	12	20.41	20.62	20.63			
5	64QAM	1	24	20.61	20.70	20.52			
5	64QAM	12	0	19.46	19.55	19.56	21 <th colspan="2" rowspan="4">3</th>	3	
5	64QAM	12	7	19.51	19.45	19.59			
5	64QAM	12	13	19.47	19.51	19.42			
5	64QAM	25	0	19.58	19.53	19.66			

Band 17 Ant0									
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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.60	22.69	22.64	24	0	
10	QPSK	1	25	22.48	22.64	22.53			
10	QPSK	1	49	22.49	22.58	22.45			
10	QPSK	25	0	21.70	21.89	21.85	23	1	
10	QPSK	25	12	21.72	21.82	21.79			
10	QPSK	25	25	21.61	21.79	21.60			
10	QPSK	50	0	21.68	21.89	21.82	23	1	
10	16QAM	1	0	21.86	21.97	21.80			
10	16QAM	1	25	21.69	21.72	21.73			
10	16QAM	1	49	21.75	21.70	21.71	22	2	
10	16QAM	25	0	20.64	20.93	20.93			
10	16QAM	25	12	20.74	20.73	20.82			
10	16QAM	25	25	20.69	20.89	20.68	22	2	
10	16QAM	50	0	20.78	20.90	20.86			
10	64QAM	1	0	20.90	20.96	20.89			
10	64QAM	1	25	20.80	20.75	20.64	22	2	
10	64QAM	1	49	20.84	20.82	20.68			
10	64QAM	25	0	19.88	19.95	19.98			
10	64QAM	25	12	19.91	19.84	19.98	21	3	
10	64QAM	25	25	19.77	19.93	19.59			
10	64QAM	50	0	19.89	19.87	19.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.48	22.61	22.64	24	0	
5	QPSK	1	12	22.31	22.49	22.50			
5	QPSK	1	24	22.27	22.39	22.37			
5	QPSK	12	0	21.52	21.86	21.64	23	1	
5	QPSK	12	7	21.51	21.60	21.66			
5	QPSK	12	13	21.40	21.76	21.60			
5	QPSK	25	0	21.70	21.83	21.65	23	1	
5	16QAM	1	0	21.77	21.86	21.75			
5	16QAM	1	12	21.64	21.70	21.53			
5	16QAM	1	24	21.60	21.69	21.61	22	2	
5	16QAM	12	0	20.43	20.87	20.91			
5	16QAM	12	7	20.76	20.54	20.76			
5	16QAM	12	13	20.71	20.80	20.54	22	2	
5	16QAM	25	0	20.77	20.81	20.79			
5	64QAM	1	0	20.74	20.90	20.81			
5	64QAM	1	12	20.60	20.70	20.65	22	2	
5	64QAM	1	24	20.83	20.64	20.66			
5	64QAM	12	0	19.70	19.67	19.94			
5	64QAM	12	7	19.78	19.85	19.56	21	3	
5	64QAM	12	13	19.63	19.85	19.58			
5	64QAM	25	0	19.75	19.80	19.62			

Band 25 Ant0 EC13									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	13.68	13.85	13.73	15	0	
20	QPSK	1	49	13.58	13.80	13.71			
20	QPSK	1	99	13.62	13.74	13.66			
20	QPSK	50	0	13.69	13.77	13.76	15	0	
20	QPSK	50	24	13.58	13.73	13.75			
20	QPSK	50	50	13.56	13.76	13.75			
20	QPSK	100	0	13.59	13.84	13.75	15	0	
20	16QAM	1	0	13.58	13.72	13.76			
20	16QAM	1	49	13.54	13.80	13.75			
20	16QAM	1	99	13.56	13.83	13.68	15	0	
20	16QAM	50	0	13.60	13.73	13.83			
20	16QAM	50	24	13.65	13.82	13.76			
20	16QAM	50	50	13.59	13.74	13.81	15	0	
20	16QAM	100	0	13.68	13.79	13.71			
20	64QAM	1	0	13.61	13.78	13.65			
20	64QAM	1	49	13.59	13.78	13.68	15	0	
20	64QAM	1	99	13.64	13.75	13.73			
20	64QAM	50	0	13.59	13.72	13.64			
20	64QAM	50	24	13.58	13.82	13.72	15	0	
20	64QAM	50	50	13.64	13.75	13.71			
20	64QAM	100	0	13.66	13.76	13.63			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	13.59	13.72	13.58	15	0	
15	QPSK	1	37	13.51	13.66	13.57			
15	QPSK	1	74	13.56	13.63	13.62			
15	QPSK	36	0	13.56	13.60	13.73	15	0	
15	QPSK	36	20	13.54	13.64	13.72			
15	QPSK	36	39	13.44	13.62	13.71			
15	QPSK	75	0	13.52	13.69	13.68	15	0	
15	16QAM	1	0	13.55	13.58	13.70			
15	16QAM	1	37	13.46	13.72	13.72			
15	16QAM	1	74	13.43	13.69	13.64	15	0	
15	16QAM	36	0	13.54	13.59	13.68			
15	16QAM	36	20	13.50	13.66	13.69			
15	16QAM	36	39	13.52	13.62	13.58	15	0	
15	16QAM	75	0	13.63	13.70	13.57			
15	64QAM	1	0	13.54	13.66	13.53			
15	64QAM	1	37	13.45	13.68	13.64	15	0	
15	64QAM	1	74	13.50	13.69	13.69			
15	64QAM	36	0	13.55	13.67	13.52			
15	64QAM	36	20	13.50	13.78	13.60	15	0	
15	64QAM	36	39	13.48	13.66	13.54			
15	64QAM	75	0	13.61	13.64	13.51			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	13.53	13.80	13.58	15	0	
10	QPSK	1	25	13.47	13.71	13.66			
10	QPSK	1	49	13.46	13.70	13.57			
10	QPSK	25	0	13.62	13.70	13.65	15	0	
10	QPSK	25	12	13.42	13.66	13.67			
10	QPSK	25	25	13.43	13.64	13.63			
10	QPSK	50	0	13.51	13.73	13.71	15	0	
10	16QAM	1	0	13.49	13.59	13.64			
10	16QAM	1	25	13.40	13.65	13.64			
10	16QAM	1	49	13.51	13.79	13.54	15	0	
10	16QAM	25	0	13.51	13.69	13.72			
10	16QAM	25	12	13.51	13.79	13.63			
10	16QAM	25	25	13.43	13.64	13.73	15	0	
10	16QAM	50	0	13.57	13.65	13.58			
10	64QAM	1	0	13.58	13.73	13.58			
10	64QAM	1	25	13.53	13.61	13.63	15	0	
10	64QAM	1	49	13.58	13.62	13.59			
10	64QAM	25	0	13.55	13.66	13.56			
10	64QAM	25	12	13.53	13.65	13.56	15	0	
10	64QAM	25	25	13.51	13.71	13.54			
10	64QAM	50	0	13.58	13.61	13.49			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	13.59	13.73	13.61	15	0	
5	QPSK	1	12	13.50	13.72	13.63			
5	QPSK	1	24	13.56	13.64	13.54			
5	QPSK	12	0	13.59	13.66	13.66	15	0	
5	QPSK	12	7	13.52	13.66	13.61			
5	QPSK	12	13	13.43	13.58	13.66			
5	QPSK	25	0	13.43	13.73	13.63	15	0	
5	16QAM								
5	16QAM	1	0	13.50	13.67	13.61			
5	16QAM	1	12	13.40	13.73	13.64	15	0	
5	16QAM	1	24	13.51	13.76	13.62			
5	16QAM	12	0	13.53	13.65	13.80			
5	16QAM	12	7	13.59	13.79	13.62	15	0	
5	16QAM	12	13	13.48	13.66	13.76			
5	16QAM	25	0	13.54	13.68	13.65			
5	64QAM	1	0	13.56	13.70	13.57	15	0	
5	64QAM	1	12	13.43	13.74	13.61			
5	64QAM	1	24	13.59	13.63	13.58			
5	64QAM	12	0	13.47	13.68	13.61	15	0	
5	64QAM	12	7	13.53	13.66	13.61			
5	64QAM	12	13	13.51	13.60	13.62			
5	64QAM	25	0	13.53	13.71	13.60	15	0	
5	64QAM	25	12	13.50	13.74	13.67			
5	64QAM	25	25	13.43	13.73	13.63			
Channel				26045	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	13.63	13.74	13.57	15	0	
3	QPSK	1	8	13.42	13.66	13.51			
3	QPSK	1	14	13.56	13.59	13.57			
3	QPSK	8	0	13.45	13.60	13.64	15	0	
3	QPSK	8	4	13.44	13.65	13.68			
3	QPSK	8	7	13.45	13.71	13.66			
3	QPSK	15	0	13.42	13.72	13.65	15	0	
3	16QAM	1	0	13.43	13.58	13.65			
3	16QAM	1	8	13.43	13.66	13.69			
3	16QAM	1	14	13.43	13.76	13.59	15	0	
3	16QAM	8	0	13.52	13.62	13.66			
3	16QAM	8	4	13.53	13.78	13.72			
3	16QAM	8	7	13.47	13.71	13.74	15	0	
3	16QAM	15	0	13.64	13.69	13.58			
3	64QAM	1	0	13.54	13.72	13.52			
3	64QAM	1	8	13.51	13.68	13.56	15	0	
3	64QAM	1	14	13.57	13.70	13.56			
3	64QAM	8	0	13.55	13.68	13.61			
3	64QAM	8	4	13.54	13.73	13.67	15	0	
3	64QAM	8	7	13.56	13.71	13.63			
3	64QAM	15	0	13.50	13.71	13.60			
Channel				26047	26340	26693	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	13.57	13.79	13.62	15	0	
1.4	QPSK	1	3	13.52	13.66	13.62			
1.4	QPSK	1	5	13.55	13.61	13.58			
1.4	QPSK	3	0	13.58	13.68	13.64	15	0	
1.4	QPSK	3	1	13.45	13.64	13.71			
1.4	QPSK	3	3	13.44	13.69	13.70			
1.4	QPSK	6	0	13.51	13.79	13.68	15	0	
1.4	16QAM	1	0	13.48	13.66	13.71			
1.4	16QAM	1	3	13.45	13.73	13.66			
1.4	16QAM	3	0	13.50	13.75	13.57	15	0	
1.4	16QAM	3	1	13.54	13.66	13.67			
1.4	16QAM	3	3	13.53	13.67	13.66			
1.4	16QAM	6	0	13.53	13.74	13.62	15	0	
1.4	64QAM	1	0	13.53	13.74	13.61			
1.4	64QAM	1	3	13.51	13.70	13.63			
1.4	64QAM	3	0	13.46	13.69	13.61	15	0	
1.4	64QAM	3	1	13.50	13.67	13.55			
1.4	64QAM	3	1	13.54	13.70	13.68			
1.4	64QAM	3	3	13.48	13.59	13.50	15	0	
1.4	64QAM	6	0	13.58	13.71	13.61			

Band 66 Ant0 EC13											
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				132072	132322	132572					
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	16.41	16.57	16.43	18	0			
20	QPSK	1	49	16.31	16.45	16.38					
20	QPSK	1	99	16.32	16.48	16.33					
20	QPSK	50	0	16.52	16.54	16.42					
20	QPSK	50	24	16.38	16.50	16.33	18	0			
20	QPSK	50	50	16.32	16.46	16.29					
20	QPSK	100	0	16.44	16.49	16.47					
20	16QAM	1	0	16.37	16.40	16.35					
20	16QAM	1	49	16.21	16.46	16.28	18	0			
20	16QAM	1	99	16.52	16.51	16.41					
20	16QAM	50	0	16.33	16.43	16.35					
20	16QAM	50	24	16.28	16.43	16.32					
20	16QAM	50	50	16.43	16.49	16.37	18	0			
20	16QAM	100	0	16.35	16.47	16.33					
20	64QAM	1	0	16.33	16.35	16.32					
20	64QAM	1	49	16.48	16.48	16.36					
20	64QAM	1	99	16.37	16.49	16.32	18	0			
20	64QAM	50	0	16.25	16.40	16.25					
20	64QAM	50	24	16.48	16.55	16.44					
20	64QAM	50	50	16.30	16.50	16.33					
20	64QAM	100	0	16.25	16.40	16.27					
Channel				132047	132322	132597					
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	16.48	16.54	16.44	18	0			
15	QPSK	1	37	16.30	16.48	16.33					
15	QPSK	1	74	16.23	16.47	16.27					
15	QPSK	36	0	16.52	16.52	16.46					
15	QPSK	36	20	16.29	16.46	16.33	18	0			
15	QPSK	36	39	16.34	16.42	16.31					
15	QPSK	75	0	16.49	16.52	16.39					
15	16QAM	1	0	16.39	16.40	16.38					
15	16QAM	1	37	16.33	16.45	16.26	18	0			
15	16QAM	1	74	16.49	16.48	16.44					
15	16QAM	36	0	16.43	16.41	16.38					
15	16QAM	36	20	16.30	16.41	16.22					
15	16QAM	36	39	16.41	16.45	16.43	18	0			
15	16QAM	75	0	16.34	16.45	16.29					
15	64QAM	1	0	16.30	16.44	16.33					
15	64QAM	1	37	16.39	16.43	16.34					
15	64QAM	1	74	16.32	16.40	16.36	18	0			
15	64QAM	36	0	16.32	16.47	16.31					
15	64QAM	36	20	16.41	16.51	16.42					
15	64QAM	36	39	16.36	16.46	16.36					
15	64QAM	75	0	16.30	16.35	16.35					
Channel				132022	132322	132622					
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	16.47	16.43	16.39	18	0			
10	QPSK	1	25	16.37	16.51	16.29					
10	QPSK	1	49	16.30	16.38	16.33					
10	QPSK	25	0	16.47	16.45	16.35					
10	QPSK	25	12	16.38	16.49	16.32	18	0			
10	QPSK	25	25	16.26	16.37	16.34					
10	QPSK	50	0	16.49	16.50	16.45					
10	16QAM	1	0	16.32	16.40	16.39					
10	16QAM	1	25	16.31	16.37	16.31	18	0			
10	16QAM	1	49	16.46	16.44	16.40					
10	16QAM	25	0	16.39	16.43	16.33					
10	16QAM	25	12	16.22	16.41	16.32					
10	16QAM	25	25	16.49	16.54	16.42	18	0			
10	16QAM	50	0	16.42	16.48	16.37					
10	64QAM	1	0	16.24	16.43	16.30					
10	64QAM	1	25	16.50	16.56	16.44					
10	64QAM	1	49	16.42	16.48	16.33	18	0			
10	64QAM	25	0	16.29	16.39	16.32					
10	64QAM	25	12	16.46	16.52	16.36					
10	64QAM	25	25	16.29	16.45	16.28					
10	64QAM	50	0	16.25	16.44	16.33					
Channel				131997	132322	132647					
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	16.51	16.48	16.44	18	0			
5	QPSK	1	12	16.42	16.47	16.33					
5	QPSK	1	24	16.30	16.37	16.33					
5	QPSK	12	0	16.52	16.46	16.46					
5	QPSK	12	7	16.30	16.43	16.33	18	0			
5	QPSK	12	13	16.25	16.42	16.32					
5	QPSK	25	0	16.47	16.43	16.37					
5	16QAM	1	0	16.31	16.39	16.38					
5	16QAM	1	12	16.32	16.42	16.24	18	0			
5	16QAM	1	24	16.41	16.46	16.44					
5	16QAM	12	0	16.39	16.38	16.28					
5	16QAM	12	7	16.24	16.40	16.34					
5	16QAM	12	13	16.46	16.46	16.42	18	0			
5	16QAM	25	0	16.41	16.39	16.27					
5	64QAM	1	0	16.32	16.37	16.27					
5	64QAM	1	12	16.39	16.43	16.39					
5	64QAM	1	24	16.31	16.39	16.34	18	0			
5	64QAM	12	0	16.32	16.42	16.31					
5	64QAM	12	7	16.43	16.45	16.43					
5	64QAM	12	13	16.30	16.42	16.33					
5	64QAM	25	0	16.32	16.48	16.34					
Channel				131987	132322	132657					
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	16.41	16.42	16.45	18	0			
3	QPSK	1	8	16.39	16.41	16.26					
3	QPSK	1	14	16.26	16.36	16.25					
3	QPSK	8	0	16.50	16.52	16.42					
3	QPSK	8	4	16.37	16.44	16.31	18	0			
3	QPSK	8	7	16.33	16.39	16.34					
3	QPSK	15	0	16.42	16.51	16.35					
3	16QAM	1	0	16.42	16.50	16.40					
3	16QAM	1	8	16.25	16.44	16.23	18	0			
3	16QAM	1	14	16.40	16.47	16.38					
3	16QAM	8	0	16.31	16.41	16.27					
3	16QAM	8	4	16.27	16.47	16.33					
3	16QAM	8	7	16.40	16.55	16.43	18	0			
3	16QAM	15	0	16.37	16.40	16.37					
3	64QAM	1	0	16.22	16.47	16.24					
3	64QAM	1	8	16.48	16.53	16.37					
3	64QAM	1	14	16.38	16.41	16.27	18	0			
3	64QAM	8	0	16.35	16.39	16.27					
3	64QAM	8	4	16.42	16.44	16.45					
3	64QAM	8	7	16.33	16.48	16.29					
3	64QAM	15	0	16.24	16.38	16.33					
Channel				131979	132322	132669					
Frequency (MHz)				1710.7	1745	1779.2					
1.4	QPSK	1	0	16.49	16.49	16.35	18	0			
1.4	QPSK	1	3	16.30	16.52	16.33					
1.4	QPSK	1	5	16.30	16.35	16.31					
1.4	QPSK	3	0	16.52	16.45	16.47					
1.4	QPSK	3	1	16.35	16.38	16.36	18	0			
1.4	QPSK	3	3	16.24	16.48	16.35					
1.4	QPSK	6	0	16.46	16.50	16.35					
1.4	16QAM	1	0	16.33	16.43	16.40					
1.4	16QAM	1	3	16.21	16.41	16.26	18	0			
1.4	16QAM	1	5	16.47	16.52	16.47					
1.4	16QAM	3	0	16.42	16.44	16.38					
1.4	16QAM	3	1	16.33	16.48	16.36					
1.4	16QAM	3	3	16.49	16.55	16.38	18	0			
1.4	16QAM	6	0	16.41	16.46	16.32					
1.4	64QAM	1	0	16.26	16.37	16.23					
1.4	64QAM	1	3	16.44	16.46	16.34					
1.4	64QAM	1	5	16.33	16.51	16.30	18	0			
1.4	64QAM	3	0	16.33	16.43	16.33					
1.4	64QAM	3	1	16.45	16.48	16.40					
1.4	64QAM	3	3	16.32	16.47	16.36					
1.4	64QAM	6	0	16.23	16.38	16.30	18	0			

Band 7 Ant1 ECI3

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				20850	21100	21350	18	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.37	16.60	16.16	18	0
20	QPSK	1	49	16.42	16.54	16.15		
20	QPSK	1	99	16.33	16.50	16.42		
20	QPSK	50	0	16.36	16.59	16.10		
20	QPSK	50	24	16.37	16.57	16.33	18	0
20	QPSK	50	50	16.30	16.49	16.10		
20	QPSK	100	0	16.47	16.56	16.14		
20	16QAM	1	0	16.34	16.57	16.13		
20	16QAM	1	49	16.32	16.52	16.13	18	0
20	16QAM	1	99	16.45	16.45	16.10		
20	16QAM	50	0	16.34	16.58	16.10		
20	16QAM	50	24	16.26	16.41	16.35		
20	16QAM	50	50	16.46	16.57	16.16	18	0
20	16QAM	100	0	16.33	16.54	16.08		
20	64QAM	1	0	16.36	16.43	16.31		
20	64QAM	1	49	16.43	16.53	16.16		
20	64QAM	1	99	16.39	16.56	16.11	18	0
20	64QAM	50	0	16.36	16.55	16.12		
20	64QAM	50	24	16.40	16.49	16.10		
20	64QAM	50	50	16.29	16.58	16.13		
20	64QAM	100	0	16.28	16.53	16.14	18	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	18	0
15	QPSK	1	0	16.48	16.52	16.06		
15	QPSK	1	37	16.35	16.47	16.14	18	0
15	QPSK	1	74	16.29	16.49	16.15		
15	QPSK	36	0	16.41	16.50	16.18		
15	QPSK	36	20	16.40	16.56	16.39		
15	QPSK	36	39	16.32	16.41	16.33	18	0
15	QPSK	75	0	16.45	16.49	16.12		
15	16QAM	1	0	16.36	16.50	16.32		
15	16QAM	1	37	16.30	16.47	16.12		
15	16QAM	1	74	16.46	16.55	16.17	18	0
15	16QAM	36	0	16.40	16.49	16.37		
15	16QAM	36	20	16.33	16.42	16.10		
15	16QAM	36	39	16.47	16.58	16.09		
15	16QAM	75	0	16.30	16.49	16.07	18	0
15	64QAM	1	0	16.26	16.46	16.05		
15	64QAM	1	37	16.41	16.48	16.12		
15	64QAM	1	74	16.39	16.53	16.11		
15	64QAM	36	0	16.33	16.46	16.14	18	0
15	64QAM	36	20	16.36	16.58	16.17		
15	64QAM	36	39	16.42	16.49	16.37		
15	64QAM	75	0	16.35	16.41	16.08		
Channel				20800	21100	21400	18	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.37	16.52	16.12	18	0
10	QPSK	1	25	16.35	16.46	16.06		
10	QPSK	1	49	16.25	16.47	16.06		
10	QPSK	25	0	16.39	16.57	16.17		
10	QPSK	25	12	16.42	16.48	16.36	18	0
10	QPSK	25	25	16.25	16.47	16.11		
10	QPSK	50	0	16.42	16.59	16.36		
10	16QAM	1	0	16.36	16.56	16.15		
10	16QAM	1	25	16.35	16.52	16.12	18	0
10	16QAM	1	49	16.38	16.54	16.11		
10	16QAM	25	0	16.42	16.55	16.06		
10	16QAM	25	12	16.29	16.48	16.07		
10	16QAM	25	25	16.47	16.51	16.09	18	0
10	16QAM	50	0	16.39	16.47	16.09		
10	64QAM	1	0	16.25	16.55	16.11		
10	64QAM	1	25	16.46	16.56	16.18		
10	64QAM	1	49	16.41	16.54	16.09	18	0
10	64QAM	25	0	16.25	16.55	16.08		
10	64QAM	25	12	16.48	16.50	16.12		
10	64QAM	25	25	16.42	16.51	16.12		
10	64QAM	50	0	16.25	16.46	16.09	18	0
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5	18	0
5	QPSK	1	0	16.47	16.49	16.35		
5	QPSK	1	12	16.43	16.55	16.32	18	0
5	QPSK	1	24	16.36	16.53	16.38		
5	QPSK	12	0	16.48	16.56	16.36		
5	QPSK	12	7	16.39	16.49	16.36		
5	QPSK	12	13	16.32	16.45	16.07	18	0
5	QPSK	25	0	16.43	16.51	16.09		
5	16QAM	1	0	16.37	16.50	16.12		
5	16QAM	1	12	16.34	16.48	16.11		
5	16QAM	1	24	16.47	16.55	16.15	18	0
5	16QAM	12	0	16.42	16.46	16.14		
5	16QAM	12	7	16.23	16.48	16.14		
5	16QAM	12	13	16.43	16.50	16.17		
5	16QAM	25	0	16.42	16.54	16.33	18	0
5	64QAM	1	0	16.29	16.44	16.39		
5	64QAM	1	12	16.35	16.59	16.13		
5	64QAM	1	24	16.38	16.56	16.11		
5	64QAM	12	0	16.36	16.53	16.13	18	0
5	64QAM	12	7	16.42	16.54	16.09		
5	64QAM	12	13	16.30	16.44	16.06		
5	64QAM	25	0	16.29	16.46	16.11		

Band 30 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710				
Frequency (MHz)				2310				
10	QPSK	1	0		17.88		19.5	0
10	QPSK	1	25		17.85			
10	QPSK	1	49		17.76			
10	QPSK	25	0		17.87		19.5	0
10	QPSK	25	12		17.75			
10	QPSK	25	25		17.80			
10	16QAM	50	0		17.85		19.5	0
10	16QAM	1	0		17.81			
10	16QAM	1	25		17.79			
10	16QAM	1	49		17.79		19.5	0
10	16QAM	25	0		17.77			
10	16QAM	25	12		17.79			
10	16QAM	25	25		17.81		19.5	0
10	16QAM	50	0		17.85			
10	64QAM	1	0		17.84			
10	64QAM	1	25		17.80		19.5	0
10	64QAM	1	49		17.79			
10	64QAM	25	0		17.81			
10	64QAM	25	12		17.84		19.5	0
10	64QAM	25	25		17.78			
10	64QAM	50	0		17.72			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	17.74	17.81	17.82	19.5	0
5	QPSK	1	12	17.80	17.77	17.71		
5	QPSK	1	24	17.72	17.61	17.70		
5	QPSK	12	0	17.76	17.85	17.69	19.5	0
5	QPSK	12	7	17.79	17.68	17.74		
5	QPSK	12	13	17.77	17.71	17.64		
5	QPSK	25	0	17.80	17.82	17.65	19.5	0
5	16QAM	1	0	17.68	17.77	17.67		
5	16QAM	1	12	17.66	17.66	17.67		
5	16QAM	1	24	17.77	17.76	17.63	19.5	0
5	16QAM	12	0	17.68	17.71	17.73		
5	16QAM	12	7	17.78	17.68	17.61		
5	16QAM	12	13	17.76	17.82	17.69	19.5	0
5	16QAM	25	0	17.74	17.77	17.75		
5	64QAM	1	0	17.72	17.66	17.71		
5	64QAM	1	12	17.74	17.82	17.68	19.5	0
5	64QAM	1	24	17.71	17.78	17.71		
5	64QAM	12	0	17.75	17.64	17.59		
5	64QAM	12	7	17.80	17.79	17.66	19.5	0
5	64QAM	12	13	17.80	17.75	17.67		
5	64QAM	25	0	17.74	17.68	17.69		



Band 38 Ant1 EC13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37650	38050	38150					
20	QPSK	1	0	19.37	19.35	19.31	20	0			
20	QPSK	1	40	19.27	19.35	19.20					
20	QPSK	1	80	19.21	19.28	19.28					
20	QPSK	50	0	19.33	19.44	19.20					
20	QPSK	50	24	19.31	19.34	19.26					
20	QPSK	50	50	19.32	19.29	19.26	20	0			
20	QPSK	100	0	19.30	19.37	19.26					
20	HQAM	1	0	19.26	19.29	19.20					
20	HQAM	1	40	19.28	19.35	19.15					
20	HQAM	1	80	19.31	19.31	19.25					
20	HQAM	50	0	19.30	19.36	19.16	20	0			
20	HQAM	50	24	19.25	19.28	19.25					
20	HQAM	50	50	19.34	19.30	19.31					
20	HQAM	100	0	19.24	19.40	19.20					
20	HQAM	100	0	19.29	19.24	19.25					
20	HQAM	1	40	19.32	19.35	19.30	20	0			
20	HQAM	1	80	19.33	19.38	19.27					
20	HQAM	50	0	19.35	19.34	19.26					
20	HQAM	50	24	19.30	19.32	19.30					
20	HQAM	50	50	19.34	19.29	19.25					
20	HQAM	100	0	19.26	19.33	19.16	20		Tune-up limit (dBm)		
Channel											
Frequency (MHz)				37625	38050	38175					
15	QPSK	1	0	19.37	19.35	19.30	20	0			
15	QPSK	1	37	19.24	19.34	19.24					
15	QPSK	1	74	19.33	19.28	19.25					
15	QPSK	36	0	19.28	19.38	19.30					
15	QPSK	36	36	19.27	19.32	19.28					
15	QPSK	36	36	19.29	19.27	19.22	20	0			
15	QPSK	75	0	19.32	19.37	19.23					
15	HQAM	1	0	19.27	19.40	19.20					
15	HQAM	1	37	19.35	19.37	19.21					
15	HQAM	1	74	19.34	19.40	19.30					
15	HQAM	36	0	19.29	19.31	19.24	20	0			
15	HQAM	36	20	19.32	19.27	19.28					
15	HQAM	36	36	19.33	19.32	19.21					
15	HQAM	75	0	19.33	19.37	19.23					
15	HQAM	75	0	19.35	19.29	19.15					
15	HQAM	1	40	19.26	19.31	19.25	20	0			
15	HQAM	1	74	19.28	19.31	19.23					
15	HQAM	36	0	19.32	19.28	19.22					
15	HQAM	36	20	19.35	19.41	19.28					
15	HQAM	36	36	19.25	19.28	19.28					
15	HQAM	75	0	19.31	19.36	19.22	20		Tune-up limit (dBm)		
Channel											
Frequency (MHz)				37650	38050	38150					
10	QPSK	1	0	19.26	19.33	19.21	20	0			
10	QPSK	1	25	19.36	19.30	19.30					
10	QPSK	1	40	19.28	19.34	19.21					
10	QPSK	25	0	19.32	19.42	19.21					
10	QPSK	25	12	19.32	19.40	19.20					
10	QPSK	25	25	19.27	19.26	19.21	20	0			
10	QPSK	50	0	19.34	19.31	19.26					
10	HQAM	1	0	19.35	19.36	19.27					
10	HQAM	1	25	19.22	19.31	19.22					
10	HQAM	1	40	19.32	19.41	19.30					
10	HQAM	25	0	19.34	19.28	19.20	20	0			
10	HQAM	25	12	19.31	19.32	19.24					
10	HQAM	25	25	19.30	19.42	19.24					
10	HQAM	50	0	19.35	19.41	19.30					
10	HQAM	50	0	19.35	19.37	19.30					
10	HQAM	1	40	19.26	19.37	19.23	20	0			
10	HQAM	1	40	19.26	19.37	19.23					
10	HQAM	36	0	19.35	19.32	19.26					
10	HQAM	36	20	19.35	19.41	19.30					
10	HQAM	36	36	19.28	19.38	19.19					
10	HQAM	25	12	19.28	19.38	19.19	20	0			
10	HQAM	25	25	19.30	19.28	19.20					
10	HQAM	50	0	19.25	19.25	19.26					
Channel											
Frequency (MHz)				37775	38050	38225					
5	QPSK	1	0	19.26	19.44	19.24	20	0			
5	QPSK	1	12	19.36	19.36	19.20					
5	QPSK	1	24	19.34	19.27	19.17					
5	QPSK	12	0	19.32	19.31	19.20					
5	QPSK	12	7	19.31	19.34	19.28					
5	QPSK	12	13	19.34	19.29	19.25	20	0			
5	QPSK	26	0	19.31	19.38	19.27					
5	HQAM	1	0	19.32	19.36	19.26					
5	HQAM	1	12	19.22	19.20	19.22					
5	HQAM	1	24	19.31	19.38	19.20					
5	HQAM	12	0	19.30	19.28	19.26	20	0			
5	HQAM	12	7	19.23	19.27	19.26					
5	HQAM	12	13	19.28	19.38	19.25					
5	HQAM	25	0	19.30	19.35	19.17					
5	HQAM	1	1	19.24	19.28	19.15					
5	HQAM	1	12	19.33	19.38	19.20	20	0			
5	HQAM	1	24	19.36	19.27	19.20					
5	HQAM	12	0	19.23	19.37	19.17					
5	HQAM	12	7	19.30	19.42	19.19					
5	HQAM	12	13	19.30	19.33	19.20					
5	HQAM	25	0	19.32	19.26	19.24	20		Tune-up limit (dBm)		

Band 41 Ant1 EC13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Mid Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41005	41460		
20	QPSK	1	0	19.34	19.47	19.57	19.54	19.60	21	0
20	QPSK	1	40	19.27	19.39	19.59	19.47	19.36		
20	QPSK	1	80	19.30	19.40	19.48	19.37	19.30		
20	QPSK	50	0	19.40	19.44	19.50	19.52	19.26		
20	QPSK	50	24	19.21	19.31	19.51	19.52	19.34		
20	QPSK	50	50	19.24	19.44	19.54	19.40	19.34	21	0
20	QPSK	100	0	19.47	19.52	19.55	19.48	19.27		
20	16QAM	1	0	19.25	19.43	19.60	19.43	19.28		
20	16QAM	1	40	19.32	19.45	19.57	19.30	19.20		
20	16QAM	1	80	19.40	19.49	19.51	19.48	19.38		
20	16QAM	50	0	19.28	19.37	19.51	19.46	19.26	21	0
20	16QAM	50	24	19.25	19.35	19.59	19.35	19.19		
20	16QAM	50	50	19.45	19.47	19.62	19.57	19.30		
20	16QAM	100	0	19.27	19.36	19.52	19.40	19.20		
20	16QAM	100	0	19.25	19.36	19.52	19.40	19.30		
20	16QAM	1	40	19.40	19.47	19.53	19.59	19.28	21	0
20	16QAM	1	80	19.32	19.34	19.54	19.49	19.40		
20	16QAM	50	0	19.32	19.48	19.49	19.41	19.15		
20	16QAM	50	24	19.41	19.45	19.58	19.56	19.39		
20	16QAM	50	50	19.20	19.34	19.63	19.47	19.20		
20	16QAM	100	0	19.29	19.42	19.67	19.31	19.26		
Channel										
Frequency (MHz)				39725	40173	40620	41006	41515	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.36	19.41	19.56	19.49	19.27	21	0
15	QPSK	1	37	19.25	19.36	19.62	19.40	19.33		
15	QPSK	1	74	19.28	19.39	19.55	19.33	19.19		
15	QPSK	36	0	19.48	19.44	19.62	19.58	19.26		
15	QPSK	36	36	19.18	19.30	19.62	19.45	19.40		
15	QPSK	36	36	19.34	19.48	19.59	19.34	19.19	21	0
15	QPSK	75	0	19.42	19.43	19.56	19.47	19.37		
15	HQAM	1	0	19	19.25	19.36	19.59	19.34	21	0
15	HQAM	1	37	19.25	19.36	19.62	19.40	19.33		
15	HQAM	1	74	19.28	19.39	19.55	19.33	19.19		
15	HQAM	36	0	19.48	19.44	19.62	19.58	19.26		
15	HQAM	36	36	19.18	19.30	19.62	19.45	19.40		
15	HQAM	36	36	19.34	19.48	19.59	19.34	19.19	21	0
15	HQAM	75	0	19.21	19.37	19.57	19.50	19.28		
15	16QAM	1	0	19.25	19.43	19.60	19.43	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.27		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19.38	19.44	19.62	19.54	19.27		
15	16QAM	36	36	19.46	19.49	19.58	19.54	19.28		
15	16QAM	75	0	19.21	19.37	19.57	19.50	19.28	21	0
15	16QAM	1	37	19.48	19.47	19.53	19.58	19.30		
15	16QAM	1	74	19.22	19.40	19.63	19.41	19.33		
15	16QAM	36	0	19						

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.62	16.84	16.96	16.69	16.55	17.5	0
20	QPSK	1	49	16.65	16.85	16.94	16.75	16.61		
20	QPSK	1	99	16.63	16.66	16.91	16.58	16.50		
20	QPSK	50	0	16.60	16.94	16.95	16.67	16.58		
20	QPSK	50	24	16.61	16.86	16.82	16.70	16.52	17.5	0
20	QPSK	50	50	16.62	16.68	16.80	16.61	16.53		
20	QPSK	100	0	16.55	16.85	16.93	16.72	16.52		
20	16QAM	1	0	16.64	16.87	16.95	16.69	16.54		
20	16QAM	1	49	16.51	16.64	16.94	16.59	16.56	17.5	0
20	16QAM	1	99	16.54	16.93	16.90	16.74	16.55		
20	16QAM	50	0	16.61	16.77	16.88	16.73	16.60		
20	16QAM	50	24	16.53	16.64	16.80	16.56	16.62		
20	16QAM	50	50	16.57	16.93	16.86	16.74	16.52	17.5	0
20	16QAM	100	0	16.58	16.84	16.94	16.72	16.55		
20	64QAM	1	0	16.65	16.70	16.84	16.50	16.54		
20	64QAM	1	49	16.61	16.91	16.92	16.66	16.55		
20	64QAM	1	99	16.55	16.82	16.92	16.73	16.61	17.5	0
20	64QAM	50	0	16.61	16.64	16.83	16.57	16.60		
20	64QAM	50	24	16.57	16.91	16.92	16.70	16.59		
20	64QAM	50	50	16.67	16.81	16.93	16.73	16.62		
20	64QAM	100	0	16.52	16.76	16.81	16.62	16.45	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	16.65	16.86	16.94	16.75	16.55	22.5	0
15	QPSK	1	37	16.54	16.78	16.88	16.73	16.52		
15	QPSK	1	74	16.54	16.77	16.85	16.51	16.45		
15	QPSK	36	0	16.59	16.95	16.87	16.70	16.49		
15	QPSK	36	20	16.55	16.84	16.87	16.64	16.62	22.5	0
15	QPSK	36	39	16.54	16.69	16.92	16.54	16.52		
15	QPSK	75	0	16.68	16.87	16.93	16.67	16.53		
15	16QAM	1	0	16.63	16.89	16.93	16.67	16.54		
15	16QAM	1	37	16.64	16.64	16.80	16.61	16.44	22.5	0
15	16QAM	1	74	16.60	16.83	16.91	16.72	16.54		
15	16QAM	36	0	16.59	16.89	16.85	16.71	16.59		
15	16QAM	36	20	16.57	16.69	16.91	16.53	16.42		
15	16QAM	36	39	16.56	16.87	16.86	16.76	16.47	22.5	0
15	16QAM	75	0	16.61	16.85	16.92	16.62	16.62		
15	64QAM	1	0	16.55	16.64	16.80	16.57	16.49		
15	64QAM	1	37	16.55	16.93	16.86	16.73	16.51		
15	64QAM	1	74	16.59	16.84	16.92	16.67	16.57	22.5	0
15	64QAM	36	0	16.59	16.68	16.86	16.56	16.54		
15	64QAM	36	20	16.60	16.93	16.87	16.73	16.45		
15	64QAM	36	39	16.55	16.85	16.86	16.71	16.53		
15	64QAM	75	0	16.61	16.70	16.87	16.53	16.43	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	16.67	16.92	16.92	16.65	16.57	17.5	0
10	QPSK	1	25	16.57	16.78	16.85	16.66	16.53		
10	QPSK	1	49	16.62	16.69	16.90	16.56	16.48		
10	QPSK	25	0	16.57	16.95	16.95	16.69	16.45		
10	QPSK	25	12	16.56	16.79	16.85	16.67	16.56	17.5	0
10	QPSK	25	25	16.64	16.66	16.89	16.53	16.53		
10	QPSK	50	0	16.67	16.84	16.91	16.65	16.57		
10	16QAM	1	0	16.55	16.84	16.85	16.75	16.54		
10	16QAM	1	25	16.60	16.67	16.82	16.59	16.49	17.5	0
10	16QAM	1	49	16.54	16.89	16.93	16.77	16.58		
10	16QAM	25	0	16.55	16.79	16.85	16.66	16.50		
10	16QAM	25	12	16.61	16.65	16.88	16.61	16.51		
10	16QAM	25	25	16.64	16.84	16.93	16.72	16.58	17.5	0
10	16QAM	50	0	16.61	16.87	16.93	16.69	16.62		
10	64QAM	1	0	16.59	16.77	16.90	16.54	16.47		
10	64QAM	1	25	16.67	16.84	16.91	16.69	16.46		
10	64QAM	1	49	16.66	16.82	16.95	16.65	16.55	17.5	0
10	64QAM	25	0	16.65	16.63	16.82	16.54	16.42		
10	64QAM	25	12	16.66	16.82	16.91	16.72	16.48		
10	64QAM	25	25	16.62	16.76	16.83	16.75	16.57		
10	64QAM	50	0	16.63	16.64	16.90	16.51	16.43	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.58	16.93	16.92	16.76	16.57	17.5	0
5	QPSK	1	12	16.63	16.81	16.93	16.66	16.55		
5	QPSK	1	24	16.52	16.71	16.86	16.52	16.47		
5	QPSK	12	0	16.61	16.94	16.93	16.65	16.49		
5	QPSK	12	7	16.61	16.85	16.83	16.68	16.58	17.5	0
5	QPSK	12	13	16.61	16.73	16.90	16.50	16.49		
5	QPSK	25	0	16.61	16.84	16.92	16.65	16.58		
5	16QAM	1	0	16.66	16.81	16.90	16.73	16.56		
5	16QAM	1	12	16.53	16.74	16.89	16.53	16.48	17.5	0
5	16QAM	1	24	16.61	16.91	16.90	16.66	16.59		
5	16QAM	12	0	16.57	16.85	16.93	16.68	16.63		
5	16QAM	12	7	16.56	16.68	16.89	16.60	16.47		
5	16QAM	12	13	16.66	16.88	16.90	16.71	16.51	17.5	0
5	16QAM	25	0	16.64	16.87	16.95	16.70	16.54		
5	64QAM	1	0	16.54	16.72	16.92	16.51	16.49		
5	64QAM	1	12	16.54	16.89	16.91	16.69	16.56		
5	64QAM	1	24	16.55	16.82	16.85	16.67	16.57	17.5	0
5	64QAM	12	0	16.58	16.73	16.80	16.56	16.49		
5	64QAM	12	7	16.64	16.89	16.88	16.70	16.50		
5	64QAM	12	13	16.58	16.86	16.91	16.67	16.62		
5	64QAM	25	0	16.59	16.69	16.83	16.59	16.54	Tune-up limit (dBm)	MPR (dB)

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.65	19.67	19.82	19.54	19.51	20.5	0
20	QPSK	1	49	19.42	19.49	19.62	19.57	19.36		
20	QPSK	1	99	19.54	19.55	19.64	19.41	19.56		
20	QPSK	50	0	19.61	19.66	19.74	19.60	19.43		
20	QPSK	50	24	19.54	19.57	19.71	19.48	19.41	20.5	0
20	QPSK	50	50	19.54	19.61	19.64	19.33	19.29		
20	QPSK	100	0	19.65	19.74	19.79	19.60	19.44		
20	16QAM	1	0	19.47	19.60	19.61	19.45	19.34		
20	16QAM	1	49	19.50	19.53	19.62	19.35	19.31	20.5	0
20	16QAM	1	99	19.66	19.65	19.78	19.58	19.41		
20	16QAM	50	0	19.52	19.51	19.67	19.46	19.44		
20	16QAM	50	24	19.54	19.50	19.66	19.41	19.34		
20	16QAM	50	50	19.58	19.69	19.70	19.51	19.39	20.5	0
20	16QAM	100	0	19.48	19.52	19.58	19.46	19.37		
20	64QAM	1	0	19.48	19.55	19.59	19.32	19.44		
20	64QAM	1	49	19.64	19.74	19.70	19.61	19.45		
20	64QAM	1	99	19.54	19.58	19.60	19.55	19.42	20.5	0
20	64QAM	50	0	19.57	19.49	19.57	19.42	19.33		
20	64QAM	50	24	19.67	19.74	19.68	19.58	19.51		
20	64QAM	50	50	19.53	19.53	19.67	19.57	19.33	20.5	0
20	64QAM	50	50	19.53	19.53	19.67	19.57	19.33		
20	64QAM	100	0	19.52	19.56	19.62	19.41	19.33		
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	19.64	19.67	19.68	19.60	19.46	20.5	0
15	QPSK	1	37	19.45	19.56	19.69	19.53	19.35		
15	QPSK	1	74	19.50	19.51	19.57	19.39	19.34		
15	QPSK	36	0	19.63	19.62	19.79	19.61	19.44		
15	QPSK	36	20	19.43	19.51	19.69	19.56	19.32	20.5	0
15	QPSK	36	39	19.60	19.56	19.59	19.38	19.33		
15	QPSK	75	0	19.65	19.63	19.74	19.54	19.47		
15	16QAM	1	0	19.50	19.50	19.67	19.58	19.32		
15	16QAM	1	37	19.57	19.50	19.67	19.36	19.24	20.5	0
15	16QAM	1	74	19.54	19.69	19.69	19.54	19.42		
15	16QAM	36	0	19.53	19.59	19.69	19.52	19.36		
15	16QAM	36	20	19.61	19.62	19.56	19.34	19.34		
15	16QAM	36	39	19.55	19.63	19.69	19.60	19.42	20.5	0
15	16QAM	75	0	19.43	19.53	19.59	19.45	19.33		
15	64QAM	1	0	19.58	19.57	19.59	19.41	19.42		
15	64QAM	1	37	19.60	19.69	19.74	19.59	19.43		
15	64QAM	1	74	19.52	19.57	19.61	19.56	19.43	20.5	0
15	64QAM	36	0	19.51	19.61	19.63	19.41	19.32		
15	64QAM	36	20	19.66	19.75	19.81	19.53	19.48		
15	64QAM	36	39	19.54	19.60	19.65	19.46	19.36	20.5	0
15	64QAM	75	0	19.50	19.60	19.62	19.35	19.32		
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2635	2685		
10	QPSK	1	0	19.53	19.75	19.73	19.56	19.51	20.5	0
10	QPSK	1	25	19.51	19.52	19.64	19.49	19.42		
10	QPSK	1	49	19.49	19.48	19.58	19.41	19.30		
10	QPSK	25	0	19.62	19.72	19.72	19.53	19.48		
10	QPSK	25	12	19.49	19.49	19.60	19.56	19.41	20.5	0
10	QPSK	25	25	19.58	19.51	19.61	19.33	19.32		
10	QPSK	50	0	19.60	19.75	19.75	19.52	19.45		
10	16QAM	1	0	19.46	19.52	19.63	19.51	19.36		
10	16QAM	1	25	19.55	19.50	19.66	19.36	19.30	20.5	0
10	16QAM	1	49	19.65	19.74	19.73	19.49	19.48		
10	16QAM	25	0	19.52	19.53	19.64	19.55	19.41		
10	16QAM	25	12	19.54	19.53	19.65	19.32	19.42		
10	16QAM	25	25	19.67	19.70	19.61	19.37	19.47	20.5	0
10	16QAM	50	0	19.49	19.49	19.66	19.48	19.35		
10	64QAM	1	0	19.57	19.62	19.59	19.36	19.26		
10	64QAM	1	25	19.61	19.63	19.69	19.57	19.39		
10	64QAM	1	49	19.50	19.49	19.62	19.50	19.40	20.5	0
10	64QAM	25	0	19.56	19.60	19.66	19.43	19.33		
10	64QAM	25	12	19.55	19.75	19.77	19.58	19.43		
10	64QAM	25	25	19.42	19.49	19.69	19.53	19.33		
10	64QAM	50	0	19.54	19.57	19.66	19.38	19.26		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.57	19.63	19.73	19.61	19.45	20.5	0
5	QPSK	1	12	19.43	19.48	19.63	19.53	19.32		
5	QPSK	1	24	19.52	19.49	19.63	19.38	19.31		
5	QPSK	12	0	19.56	19.63	19.71	19.52	19.50		
5	QPSK	12	7	19.52	19.55	19.64	19.54	19.41	20.5	0
5	QPSK	12	13	19.54	19.54	19.65	19.35	19.31		
5	QPSK	25	0	19.57	19.71	19.67	19.60	19.41		
5	16QAM	1	0	19.46	19.50	19.68	19.56	19.36		
5	16QAM	1	12	19.49	19.49	19.59	19.37	19.32	20.5	0
5	16QAM	1	24	19.66	19.68	19.77	19.54	19.41		
5	16QAM	12	0	19.44	19.47	19.66	19.46	19.40		
5	19QAM	12	7	19.49	19.61	19.68	19.32	19.28		
5	19QAM	12	13	19.54	19.76	19.74	19.56	19.44	20.5	0
5	19QAM	25	0	19.43	19.58	19.62	19.46	19.45		
5	64QAM	1	0	19.58	19.62	19.61	19.36	19.39		
5	64QAM	1	12	19.57	19.73	19.79	19.52	19.43		
5	64QAM	1	24	19.46	19.60	19.67	19.56	19.44	20.5	0
5	64QAM	12	0	19.56	19.59	19.60	19.44	19.26		
5	64QAM	12	7	19.55	19.73	19.75	19.61	19.41		
5	64QAM	12	13	19.49	19.59	19.68	19.56	19.36		
5	64QAM	25	0	19.60	19.61	19.56	19.34	19.25		



Band 2 Ant4 EC13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.88	16.19	16.12	17	0				
20	QPSK	1	49	15.89	16.18	16.15						
20	QPSK	1	99	15.85	16.07	16.09						
20	QPSK	50	0	15.78	16.16	16.05						
20	QPSK	50	24	15.93	15.93	15.97	17	0				
20	QPSK	50	50	15.95	16.15	15.97						
20	QPSK	100	0	15.88	16.11	16.10						
20	16QAM	1	0	15.87	16.14	16.13						
20	16QAM	1	49	15.94	15.94	16.10	17	0				
20	16QAM	1	99	15.78	15.99	15.94						
20	16QAM	50	0	15.68	16.07	15.91						
20	16QAM	50	24	15.71	16.10	15.86						
20	16QAM	50	50	15.97	16.02	16.12	17	0				
20	16QAM	100	0	15.75	16.18	15.98						
20	64QAM	1	0	15.88	15.97	15.87						
20	64QAM	1	49	15.91	16.03	16.11						
20	64QAM	1	99	15.81	16.13	15.89	17	0				
20	64QAM	50	0	15.94	16.16	16.15						
20	64QAM	50	24	15.72	15.91	15.97						
20	64QAM	50	50	15.96	16.11	16.01						
20	64QAM	100	0	15.71	16.14	15.94	17	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.71	16.04	16.02	17	0				
15	QPSK	1	37	15.78	16.02	16.00						
15	QPSK	1	74	15.81	16.00	16.01						
15	QPSK	36	0	15.75	16.09	15.95						
15	QPSK	36	20	15.86	15.80	15.87	17	0				
15	QPSK	36	39	15.83	16.06	15.93						
15	QPSK	75	0	15.75	15.99	16.05						
15	16QAM	1	0	15.82	16.11	16.10						
15	16QAM	1	37	15.80	15.79	15.97	17	0				
15	16QAM	1	74	15.72	15.86	15.79						
15	16QAM	36	0	15.62	15.85	15.80						
15	16QAM	36	20	15.67	15.94	15.70						
15	16QAM	36	39	15.88	15.89	15.98	17	0				
15	16QAM	75	0	15.71	16.03	15.92						
15	64QAM	1	0	15.76	15.91	15.71						
15	64QAM	1	37	15.87	15.90	16.06						
15	64QAM	1	74	15.68	16.03	15.78	17	0				
15	64QAM	36	0	15.77	16.11	15.98						
15	64QAM	36	20	15.86	15.75	15.93						
15	64QAM	36	39	15.92	15.94	15.94						
15	64QAM	75	0	15.62	16.04	15.84	17	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.73	16.11	16.06	17	0				
10	QPSK	1	25	15.78	16.10	16.04						
10	QPSK	1	49	15.71	15.90	15.95						
10	QPSK	25	0	15.73	16.11	15.98						
10	QPSK	25	12	15.80	15.83	15.81	17	0				
10	QPSK	25	25	15.85	15.99	15.89						
10	QPSK	50	0	15.84	16.00	16.06						
10	16QAM	1	0	15.71	16.09	16.00						
10	16QAM	1	25	15.79	15.86	16.06	17	0				
10	16QAM	1	49	15.65	15.82	15.87						
10	16QAM	25	0	15.54	15.92	15.88						
10	16QAM	25	12	15.59	16.02	15.70						
10	16QAM	25	25	15.82	15.89	16.03	17	0				
10	16QAM	50	0	15.68	16.06	15.90						
10	64QAM	1	0	15.74	15.91	15.82						
10	64QAM	1	25	15.87	15.94	16.03						
10	64QAM	1	49	15.77	15.99	15.83	17	0				
10	64QAM	25	0	15.83	16.03	16.00						
10	64QAM	25	12	15.82	15.85	15.91						
10	64QAM	25	25	15.82	15.95	15.97						
10	64QAM	50	0	15.55	15.97	15.79	17	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.76	16.15	16.04	17	0				
5	QPSK	1	12	15.84	16.07	16.00						
5	QPSK	1	24	15.77	15.94	15.96						
5	QPSK	12	0	15.61	16.04	15.89						
5	QPSK	12	7	15.78	15.77	15.82	17	0				
5	QPSK	12	13	15.80	16.02	15.93						
5	QPSK	25	0	15.78	16.08	16.01						
5	16QAM	1	0	15.74	15.99	16.00						
5	16QAM	1	12	15.81	15.78	15.93	17	0				
5	16QAM	1	24	15.66	15.87	15.88						
5	16QAM	12	0	15.88	15.97	15.87						
5	16QAM	12	7	15.86	15.94	15.80						
5	16QAM	12	13	15.88	15.88	16.07	17	0				
5	16QAM	25	0	15.89	16.10	15.88						
5	64QAM	1	0	15.83	15.85	15.75						
5	64QAM	1	12	15.81	15.96	15.94						
5	64QAM	1	24	15.76	16.03	15.81	17	0				
5	64QAM	12	0	15.88	16.11	16.08						
5	64QAM	12	7	15.83	15.86	15.87						
5	64QAM	12	13	15.81	15.97	15.86						
5	64QAM	25	0	15.77	16.09	15.85	17	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.82	16.09	16.08	17	0				
3	QPSK	1	8	15.72	16.07	16.03						
3	QPSK	1	14	15.71	15.98	16.04						
3	QPSK	8	0	15.61	16.10	15.97						
3	QPSK	8	4	15.83	16.10	15.84	17	0				
3	QPSK	8	7	15.85	16.01	15.88						
3	QPSK	15	0	15.83	16.00	15.99						
3	16QAM	1	0	15.74	16.07	16.09						
3	16QAM	1	8	15.87	15.90	16.06	17	0				
3	16QAM	1	14	15.69	15.85	15.87						
3	16QAM	8	0	15.81	16.00	15.86						
3	16QAM	8	4	15.83	16.05	15.79						
3	16QAM	8	7	15.87	15.89	15.96	17	0				
3	16QAM	15	0	15.87	16.12	15.89						
3	64QAM	1	0	15.73	15.94	15.73						
3	64QAM	1	8	15.78	15.89	15.96						
3	64QAM	1	14	15.68	15.99	15.74	17	0				
3	64QAM	8	0	15.85	16.08	16.10						
3	64QAM	8	4	15.61	15.85	15.81						
3	64QAM	8	7	15.92	16.04	15.96						
3	64QAM	15	0	15.65	16.01	15.89	17	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	15.77	16.12	16.03	17	0				
1.4	QPSK	1	3	15.85	16.05	16.11						
1.4	QPSK	1	5	15.69	16.02	16.02						
1.4	QPSK	3	0	15.65	16.02	15.97						
1.4	QPSK	3	1	15.86	15.76	15.86	17	0				
1.4	QPSK	3	3	15.85	16.04	15.88						
1.4	QPSK	6	0	15.79	16.03	16.01						
1.4	16QAM	1	0	15.84	16.09	16.08						
1.4	16QAM	1	3	15.87	15.81	15.94	17	0				
1.4	16QAM	1	5	15.73	15.92	15.86						
1.4	16QAM	3	0	15.55	16.02	15.84						
1.4	16QAM	3	1	15.83	16.05	15.74						
1.4	16QAM	3	3	15.91	15.86	15.97	17	0				
1.4	16QAM	6	0	15.66	16.02	15.94						
1.4	16QAM	6	1	15.80	15.92	15.74						
1.4	16QAM	1	3	15.84	15.94	16.02						
1.4	64QAM	1	0	15.75	15.99	15.73	17	0				
1.4	64QAM	3	0	15.86	16.03	16.09						
1.4	64QAM	3	1	15.78	15.85	15.82						
1.4	64QAM	3	3	15.80	16.04	15.90						
1.4	64QAM	6	0	15.58	15.99	15.85	17	0				

Band 7 Ant4 ECI3									
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				20850	21100	21350			
Frequency (MHz)				2570	2535	2500			
20	QPSK	1	0	11.02	11.12	11.04			
20	QPSK	1	49	10.87	11.05	10.92	12.5	0	
20	QPSK	1	99	10.93	10.96	10.90			
20	QPSK	50	0	11.03	11.04	10.96			
20	QPSK	50	24	10.95	10.95	10.98	12.5	0	
20	QPSK	50	50	10.87	10.99	10.94			
20	QPSK	100	0	10.99	11.03	11.02			
20	16QAM	1	0	10.83	10.99	10.89			
20	16QAM	1	49	10.95	11.00	10.89	12.5	0	
20	16QAM	1	99	10.98	11.11	10.96			
20	16QAM	50	0	10.88	11.04	10.85			
20	16QAM	50	24	10.89	11.01	10.90	12.5	0	
20	16QAM	50	50	11.05	11.04	10.95			
20	16QAM	100	0	10.92	10.94	10.93			
20	64QAM	1	0	10.87	11.05	10.82			
20	64QAM	1	49	11.10	11.06	11.01	12.5	0	
20	64QAM	1	99	10.91	10.94	10.96			
20	64QAM	50	0	10.83	10.99	10.92			
20	64QAM	50	24	10.98	11.02	11.05	12.5	0	
20	64QAM	50	50	10.92	11.02	10.98			
20	64QAM	100	0	10.93	11.06	10.82			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	10.91	10.93	11.01			
15	QPSK	1	37	10.76	11.00	10.88	12.5	0	
15	QPSK	1	74	10.81	10.82	10.86			
15	QPSK	36	0	11.00	10.91	10.82			
15	QPSK	36	20	10.91	10.85	10.91	12.5	0	
15	QPSK	36	39	10.73	10.83	10.88			
15	QPSK	75	0	10.85	10.97	10.92			
15	16QAM	1	0	10.77	10.87	10.85			
15	16QAM	1	37	10.76	10.86	10.73	12.5	0	
15	16QAM	1	74	10.90	10.94	10.89			
15	16QAM	36	0	10.73	11.00	10.74			
15	16QAM	36	20	10.83	10.96	10.84	12.5	0	
15	16QAM	36	39	11.02	10.90	10.82			
15	16QAM	75	0	10.79	10.88	10.88			
15	64QAM	1	0	10.78	10.94	10.69			
15	64QAM	1	37	10.96	10.97	10.86	12.5	0	
15	64QAM	1	74	10.87	10.81	10.93			
15	64QAM	36	0	10.78	10.90	10.80			
15	64QAM	36	20	10.84	10.98	11.01	12.5	0	
15	64QAM	36	39	10.89	10.96	10.86			
15	64QAM	75	0	10.88	10.92	10.77			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	10.91	10.99	10.91			
10	QPSK	1	25	10.82	10.93	10.86	12.5	0	
10	QPSK	1	49	10.78	10.92	10.86			
10	QPSK	25	0	10.84	10.88	10.92			
10	QPSK	25	12	10.80	10.83	10.94	12.5	0	
10	QPSK	25	25	10.75	10.87	10.85			
10	QPSK	50	0	10.90	10.97	10.86			
10	16QAM	1	1	10.69	10.95	10.77	12.5	0	
10	16QAM	1	25	10.75	10.84	10.74			
10	16QAM	1	49	10.82	10.94	10.92			
10	16QAM	25	0	10.74	10.95	10.76			
10	16QAM	25	12	10.79	10.86	10.83	12.5	0	
10	16QAM	25	25	11.01	10.92	10.84			
10	16QAM	50	0	10.77	10.90	10.83			
10	64QAM	1	0	10.81	10.93	10.75	12.5	0	
10	64QAM	1	25	11.07	10.98	10.97			
10	64QAM	1	49	10.80	10.86	10.86			
10	64QAM	25	0	10.75	10.91	10.81			
10	64QAM	25	12	10.86	10.88	10.97	12.5	0	
10	64QAM	25	25	10.87	10.98	10.90			
10	64QAM	50	0	10.80	10.96	10.72			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	10.93	11.02	11.00	12.5	0	
5	QPSK	1	12	10.77	10.92	10.79			
5	QPSK	1	24	10.85	10.92	10.85			
5	QPSK	12	0	10.86	10.86	10.84	12.5	0	
5	QPSK	12	7	10.88	10.84	10.85			
5	QPSK	12	13	10.77	10.90	10.90			
5	QPSK	25	0	10.88	10.93	10.96			
5	16QAM	1	0	10.77	10.91	10.73	12.5	0	
5	16QAM	1	12	10.72	10.96	10.72			
5	16QAM	1	24	10.91	11.05	10.88			
5	16QAM	12	0	10.77	10.99	10.70	12.5	0	
5	16QAM	12	7	10.74	10.88	10.74			
5	16QAM	12	13	10.97	11.00	10.85			
5	16QAM	25	0	10.83	10.86	10.85			
5	64QAM	1	0	10.80	10.95	10.66	12.5	0	
5	64QAM	1	12	10.94	11.01	10.90			
5	64QAM	1	24	10.77	10.88	10.85			
5	64QAM	12	0	10.73	10.93	10.83			
5	64QAM	12	7	10.85	10.98	11.00	12.5	0	
5	64QAM	12	13	10.87	10.94	10.95			
5	64QAM	25	0	10.82	10.97	10.72			

Band 12 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.49	22.54	22.48			
10	QPSK	1	25	22.42	22.47	22.46	23	0	
10	QPSK	1	49	22.46	22.49	22.45			
10	QPSK	25	0	21.58	21.62	21.47			
10	QPSK	25	12	21.41	21.61	21.38	22	1	
10	QPSK	25	25	21.51	21.54	21.45			
10	QPSK	50	0	21.56	21.59	21.54			
10	16QAM	1	0	21.83	21.91	21.68			
10	16QAM	1	25	21.82	21.72	21.87	22	1	
10	16QAM	1	49	21.78	21.74	21.76			
10	16QAM	25	0	20.57	20.61	20.42			
10	16QAM	25	12	20.37	20.66	20.45	21	2	
10	16QAM	25	25	20.51	20.50	20.48			
10	16QAM	50	0	20.55	20.58	20.54			
10	64QAM	1	0	20.81	20.81	20.80			
10	64QAM	1	25	20.74	20.71	20.70	21	2	
10	64QAM	1	49	20.67	20.75	20.72			
10	64QAM	25	0	19.60	19.62	19.43			
10	64QAM	25	12	19.48	19.55	19.48	20	3	
10	64QAM	25	25	19.53	19.51	19.53			
10	64QAM	50	0	19.53	19.58	19.44			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.47	22.51	22.49			
5	QPSK	1	12	22.31	22.45	22.28	23	0	
5	QPSK	1	24	22.34	22.28	22.26			
5	QPSK	12	0	21.60	21.58	21.30			
5	QPSK	12	7	21.38	21.53	21.33	22	1	
5	QPSK	12	13	21.41	21.45	21.31			
5	QPSK	25	0	21.41	21.59	21.52			
5	16QAM	1	0	21.75	21.85	21.47			
5	16QAM	1	12	21.77	21.66	21.82	22	1	
5	16QAM	1	24	21.74	21.71	21.65			
5	16QAM	12	0	20.54	20.40	20.27			
5	16QAM	12	7	20.30	20.67	20.25	21	2	
5	16QAM	12	13	20.48	20.50	20.49			
5	16QAM	25	0	20.38	20.53	20.33			
5	64QAM	1	0	20.75	20.62	20.66			
5	64QAM	1	12	20.80	20.66	20.53	21	2	
5	64QAM	1	24	20.66	20.60	20.61			
5	64QAM	12	0	19.39	19.60	19.44			
5	64QAM	12	7	19.35	19.50	19.26	20	3	
5	64QAM	12	13	19.38	19.43	19.33			
5	64QAM	25	0	19.34	19.46	19.37			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.52	22.37			
3	QPSK	1	8	22.42	22.46	22.27	23	0	
3	QPSK	1	14	22.32	22.28	22.31			
3	QPSK	8	0	21.46	21.63	21.37			
3	QPSK	8	4	21.37	21.41	21.29	22	1	
3	QPSK	8	7	21.52	21.36	21.39			
3	QPSK	15	0	21.58	21.44	21.55			
3	16QAM	1	0	21.71	21.85	21.61			
3	16QAM	1	8	21.71	21.54	21.85	22	1	
3	16QAM	1	14	21.56	21.59	21.69			
3	16QAM	8	0	20.49	20.47	20.41			
3	16QAM	8	4	20.35	20.51	20.23	21	2	
3	16QAM	8	7	20.35	20.33	20.35			
3	16QAM	15	0	20.51	20.48	20.54			
3	64QAM	1	0	20.70	20.61	20.61	21	2	
3	64QAM	1	8	20.72	20.58	20.55			
3	64QAM	1	14	20.53	20.67	20.59			
3	64QAM	8	0	19.59	19.42	19.23			
3	64QAM	8	4	19.33	19.37	19.29	20	3	
3	64QAM	8	7	19.47	19.39	19.48			
3	64QAM	15	0	19.44	19.38	19.35			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
1.4	QPSK	1	0	22.31	22.52	22.21			
1.4	QPSK	1	3	22.25	22.28	22.26	23	0	
1.4	QPSK	1	5	22.25	22.29	22.26			
1.4	QPSK	3	1	22.11	22.50	22.16			
1.4	QPSK	3	1	22.25	22.28	22.21	22	1	
1.4	16QAM	1	0	21.31	21.33	21.14			
1.4	16QAM	1	3	21.44	21.26	21.37			
1.4	16QAM	1	5	21.56	21.43	21.35	22	1	
1.4	16QAM	3	0	21.66	21.73	21.62			
1.4	16QAM	3	1	21.63	21.43	21.68			
1.4	16QAM	3	3	21.35	21.46	21.66			
1.4	16QAM	6	0	20.40	20.49	20.33	21	2	
1.4	64QAM	1	0	20.36	20.44	20.08			
1.4	64QAM	1	3	20.18	20.12	20.16			
1.4	64QAM	1	5	20.49	20.46	20.36	21	2	
1.4	64QAM	3	0	20.51	20.54	20.55			
1.4	64QAM	3	1	20.74	20.39	20.33			
1.4	64QAM	3	3	20.45	20.34	20.41			
1.4	64QAM	6	0	19.27	19.31	19.33	20	3	

Band 14 Ant4 ECI3									
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				793	23330				
Frequency (MHz)				20.86					
10	QPSK	1	0				21.5	0	
10	QPSK	1	25		20.83				
10	QPSK	1	49		20.70				
10	QPSK	25	0		20.85		21.5	0	
10	QPSK	25	12		20.72				
10	QPSK	25	25		20.70				
10	QPSK	50	0		20.79		21.5	0	
10	16QAM	1	0		20.73				
10	16QAM	1	25		20.73				
10	16QAM	1	49		20.70		21	0.5	
10	16QAM	25	0		20.23				
10	16QAM	25	12		20.23				
10	16QAM	25	25		20.21		21	0.5	
10	16QAM	50	0		20.29				
10	64QAM	1	0		20.41				
10	64QAM	1	25		20.39		20	1.5	
10	64QAM	1	49		20.35				
10	64QAM	25	0		19.27				
10	64QAM	25	12		19.25		20	1.5	
10	64QAM	25	25		19.17				
10	64QAM	50	0		19.30				
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	20.67	20.78	20.75	21.5	0	
5	QPSK	1	12	20.66	20.66	20.68			
5	QPSK	1	24	20.60	20.72	20.58			
5	QPSK	12	0	20.66	20.78	20.87	21.5	0	
5	QPSK	12	7	20.61	20.77	20.75			
5	QPSK	12	13	20.55	20.68	20.60			
5	QPSK	25	0	20.68	20.75	20.68	21.5	0	
5	16QAM	1	0	20.61	20.69	20.80			
5	16QAM	1	12	20.63	20.74	20.56			
5	16QAM	1	24	20.63	20.69	20.74	21	0.5	
5	16QAM	12	0	20.21	20.14	20.20			
5	16QAM	12	7	20.17	20.18	20.23			
5	16QAM	12	13	20.20	20.13	20.11	21	0.5	
5	16QAM	25	0	20.27	20.13	20.27			
5	64QAM	1	0	20.25	20.19	20.20			
5	64QAM	1	12	20.18	20.27	20.19	21	0.5	
5	64QAM	1	24	20.18	20.37	20.29			
5	64QAM	12	0	19.18	19.14	19.06			
5	64QAM	12	7	19.07	19.25	19.13	20	1.5	
5	64QAM	12	13	19.12	19.10	18.97			
5	64QAM	25	0	19.18	19.09	19.31			

Band 17 Ant4									
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				23780	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.45	22.49	22.41	23	0	
10	QPSK	1	25	22.42	22.46	22.35			
10	QPSK	1	49	22.45	22.42	22.41			
10	QPSK	25	0	21.47	21.65	21.44	22	1	
10	QPSK	25	12	21.51	21.55	21.53			
10	QPSK	25	25	21.58	21.59	21.60			
10	QPSK	50	0	21.60	21.66	21.63	22	1	
10	16QAM	1	0	21.55	21.80	21.56			
10	16QAM	1	25	21.83	21.71	21.44			
10	16QAM	1	49	21.84	21.75	21.49	21	2	
10	16QAM	25	0	20.53	20.67	20.50			
10	16QAM	25	12	20.63	20.52	20.42			
10	16QAM	25	25	20.67	20.58	20.51	21	2	
10	16QAM	50	0	20.61	20.62	20.58			
10	64QAM	1	0	20.73	20.74	20.67			
10	64QAM	1	25	20.69	20.71	20.61	21	2	
10	64QAM	1	49	20.88	20.71	20.82			
10	64QAM	25	0	19.57	19.63	19.53			
10	64QAM	25	12	19.59	19.56	19.55	20	3	
10	64QAM	25	25	19.63	19.69	19.67			
10	64QAM	50	0	19.61	19.65	19.59			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.41	22.46	22.41	23	0	
5	QPSK	1	12	22.40	22.39	22.24			
5	QPSK	1	24	22.28	22.29	22.27			
5	QPSK	12	0	21.38	21.53	21.40	22	1	
5	QPSK	12	7	21.37	21.47	21.44			
5	QPSK	12	13	21.37	21.38	21.57			
5	QPSK	25	0	21.55	21.48	21.50	22	1	
5	16QAM	1	0	21.55	21.67	21.35			
5	16QAM	1	12	21.52	21.56	21.37			
5	16QAM	1	24	21.47	21.60	21.31	21	2	
5	16QAM	12	0	20.51	20.45	20.28			
5	16QAM	12	7	20.46	20.51	20.40			
5	16QAM	12	13	20.53	20.57	20.51	21	2	
5	16QAM	25	0	20.42	20.54	20.38			
5	64QAM	1	0	20.59	20.63	20.66			
5	64QAM	1	12	20.50	20.58	20.57	21	2	
5	64QAM	1	24	20.60	20.53	20.41			
5	64QAM	12	0	19.43	19.57	19.38			
5	64QAM	12	7	19.39	19.43	19.54	20	3	
5	64QAM	12	13	19.42	19.60	19.46			
5	64QAM	25	0	19.51	19.50	19.37			

Band 25 Ant4 ECI3									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	16.03	16.33	16.26	17	0	
20	QPSK	1	49	15.90	16.22	16.21			
20	QPSK	1	99	15.87	16.29	16.17			
20	QPSK	50	0	16.07	16.30	16.19	17	0	
20	QPSK	50	24	15.91	16.24	16.16			
20	QPSK	50	50	15.89	16.19	16.14			
20	QPSK	100	0	16.03	16.25	16.26	17	0	
20	16QAM	1	0	15.95	16.27	16.13			
20	16QAM	1	49	15.89	16.18	16.15			
20	16QAM	1	99	16.14	16.31	16.27	17	0	
20	16QAM	50	0	15.91	16.21	16.16			
20	16QAM	50	24	15.86	16.21	16.07			
20	16QAM	50	50	16.07	16.26	16.20	17	0	
20	16QAM	100	0	15.91	16.21	16.17			
20	64QAM	1	0	15.85	16.19	16.04			
20	64QAM	1	49	16.13	16.23	16.16	17	0	
20	64QAM	1	99	15.95	16.28	16.21			
20	64QAM	50	0	15.97	16.21	16.13			
20	64QAM	50	24	16.10	16.27	16.25	17	0	
20	64QAM	50	50	15.92	16.32	16.17			
20	64QAM	100	0	15.89	16.30	16.10			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	15.88	16.16	16.14	17	0	
15	QPSK	1	37	15.81	16.18	16.14			
15	QPSK	1	74	15.83	16.21	16.04			
15	QPSK	36	0	15.93	16.21	16.15	17	0	
15	QPSK	36	20	15.77	16.21	16.07			
15	QPSK	36	39	15.83	16.04	16.01			
15	QPSK	75	0	15.88	16.11	16.14	17	0	
15	16QAM	1	0	15.81	16.11	16.06			
15	16QAM	1	37	15.83	16.14	16.00			
15	16QAM	1	74	16.03	16.24	16.21	17	0	
15	16QAM	36	0	15.77	16.05	16.06			
15	16QAM	36	20	15.74	16.13	16.07			
15	16QAM	36	39	16.02	16.19	16.13	17	0	
15	16QAM	75	0	15.85	16.08	16.04			
15	64QAM	1	0	15.77	16.12	15.97			
15	64QAM	1	37	16.03	16.18	16.08	17	0	
15	64QAM	1	74	15.84	16.19	16.09			
15	64QAM	36	0	15.82	16.13	16.08	17	0	
15	64QAM	36	20	15.95	16.13	16.16			
15	64QAM	36	39	15.85	16.29	16.04			
15	64QAM	75	0	15.79	16.26	15.95			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	15.98	16.17	16.21	17	0	
10	QPSK	1	25	15.83	16.12	16.08			
10	QPSK	1	49	15.76	16.10	16.02			
10	QPSK	25	0	16.00	16.16	16.13	17	0	
10	QPSK	25	12	15.81	16.18	16.03			
10	QPSK	25	25	15.81	16.05	16.01			
10	QPSK	50	0	15.89	16.18	16.16	17	0	
10	16QAM	1	0	15.91	16.17	16.05			
10	16QAM	1	25	15.74	16.06	16.11			
10	16QAM	1	49	16.06	16.23	16.13	17	0	
10	16QAM	25	0	15.77	16.12	15.97			
10	16QAM	25	12	15.72	16.05	16.06			
10	16QAM	25	25	15.90	16.12	16.10	17	0	
10	16QAM	50	0	15.88	16.12	16.04			
10	64QAM	1	0	15.79	16.10	15.96			
10	64QAM	1	25	16.02	16.18	16.02	17	0	
10	64QAM	1	49	15.89	16.24	16.15			
10	64QAM	25	0	15.82	16.16	16.03	17	0	
10	64QAM	25	12	16.03	16.17	16.18			
10	64QAM	25	25	15.87	16.24	16.07			
10	64QAM	50	0	15.78	16.24	16.03			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	15.92	16.11	16.14	17	0	
5	QPSK	1	12	15.81	16.14	16.12			
5	QPSK	1	24	15.82	16.24	16.03			
5	QPSK	12	0	16.03	16.16	16.09	17	0	
5	QPSK	12	7	15.75	16.15	16.02			
5	QPSK	12	13	15.83	16.13	16.05			
5	QPSK	25	0	16.00	16.09	16.20	17	0	
5	16QAM	1	0	15.80	16.23	16.03			
5	16QAM	1	12	15.85	16.05	16.12			
5	16QAM	1	24	15.97	16.18	16.11	17	0	
5	16QAM	12	0	15.80	16.14	16.04			
5	16QAM	12	7	15.75	16.16	16.00			
5	16QAM	12	13	15.92	16.10	16.08	17	0	
5	16QAM	25	0	15.77	16.09	16.05			
5	64QAM	1	0	15.80	16.07	15.90			
5	64QAM	1	12	16.07	16.12	16.10	17	0	
5	64QAM	1	24	15.92	16.23	16.19			
5	64QAM	12	0	15.87	16.08	16.00	17	0	
5	64QAM	12	7	15.98	16.22	16.15			
5	64QAM	12	13	15.78	16.27	16.04			
5	64QAM	25	0	15.86	16.26	16.06			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	15.95	16.18	16.20	17	0	
3	QPSK	1	8	15.74	16.12	16.05			
3	QPSK	1	14	15.82	16.19	16.02			
3	QPSK	8	0	15.96	16.14	16.08	17	0	
3	QPSK	8	4	15.85	16.11	16.01			
3	QPSK	8	7	15.84	16.13	16.08			
3	QPSK	15	0	15.94	16.19	16.09	17	0	
3	16QAM	1	0	15.91	16.15	16.00			
3	16QAM	1	8	15.81	16.04	16.09			
3	16QAM	1	14	16.03	16.26	16.18	17	0	
3	16QAM	8	0	15.87	16.06	16.04			
3	16QAM	8	7	15.81	16.12	15.98			
3	16QAM	8	7	15.98	16.20	16.15	17	0	
3	16QAM	15	0	15.79	16.18	16.08			
3	64QAM	1	0	15.72	16.07	15.99			
3	64QAM	1	8	15.96	16.18	16.04	17	0	
3	64QAM	1	14	15.79	16.20	16.17			
3	64QAM	8	0	15.84	16.06	16.04			
3	64QAM	8	4	15.81	16.11	16.21	17	0	
3	64QAM	8	7	15.83	16.26	16.03			
3	64QAM	15	0	15.75	16.14	15.98			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	15.98	16.15	16.20	17	0	
1.4	QPSK	1	3	15.85	16.08	16.09			
1.4	QPSK	1	5	15.70	16.13	16.03			
1.4	QPSK	3	0	15.95	16.18	16.05	17	0	
1.4	QPSK	3	1	15.85	16.20	16.01			
1.4	QPSK	3	3	15.75	16.08	15.98			
1.4	QPSK	6	0	15.96	16.21	16.23	17	0	
1.4	16QAM	1	0	15.83	16.16	16.04			
1.4	16QAM	1	3	15.84	16.07	16.04			
1.4	16QAM	1	5	15.99	16.26	16.21	17	0	
1.4	16QAM	3	0	15.84	16.09	16.10			
1.4	16QAM	3	1	15.74	16.13	15.92			
1.4	16QAM	3	3	15.91	16.22	16.15	17	0	
1.4	16QAM	6	0	15.83	16.14	16.01			
1.4	16QAM	1	0	15.78	16.10	15.94			
1.4	64QAM	1	3	15.96	16.13	16.05	17	0	
1.4	64QAM	1	5	15.84	16.14	16.16			
1.4	64QAM	3	0	15.84	16.10	16.01			
1.4	64QAM	3	1	15.96	16.13	16.22	17	0	
1.4	64QAM	3	3	16.03	16.20	16.10			
1.4	64QAM	6	0	15.72	16.15	15.93			



Band 26 Ant4 for FCC ECI3										
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				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				26765	26865	26965				
15	QPSK	1	0	21.15	21.45	21.17	22	0		
15	QPSK	1	37	21.18	21.32	21.20				
15	QPSK	1	74	21.21	21.25	21.13				
15	QPSK	36	0	21.13	21.32	21.13				
15	QPSK	36	20	21.13	21.25	21.17				
15	QPSK	36	39	21.20	21.30	21.14	22	0		
15	QPSK	75	0	21.12	21.28	21.12				
15	16QAM	1	0	21.32	21.35	21.14				
15	16QAM	1	37	21.29	21.31	21.14				
15	16QAM	1	74	21.07	21.33	21.16				
15	16QAM	36	0	20.15	20.22	20.10	21	1		
15	16QAM	36	20	20.11	20.17	20.14				
15	16QAM	36	39	20.11	20.18	20.14				
15	16QAM	75	0	20.21	20.29	20.18				
15	64QAM	1	0	20.25	20.39	20.22				
15	64QAM	1	37	20.30	20.34	20.27	21	1		
15	64QAM	1	74	20.14	20.23	20.03				
15	64QAM	36	0	19.23	19.27	19.21				
15	64QAM	36	20	19.13	19.14	19.18				
15	64QAM	36	39	19.22	19.24	19.12				
15	64QAM	75	0	19.18	19.29	19.12	20	2		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.17	21.40	21.13	22	0		
10	QPSK	1	25	21.22	21.40	21.21				
10	QPSK	1	49	21.21	21.37	21.05				
10	QPSK	25	0	21.01	21.20	21.12				
10	QPSK	25	12	21.14	21.24	21.16				
10	QPSK	25	25	21.12	21.12	20.94	22	0		
10	QPSK	50	0	20.91	21.14	21.08				
10	16QAM	1	0	21.24	21.32	21.04				
10	16QAM	1	25	21.16	21.20	21.12				
10	16QAM	1	49	21.07	21.29	20.95				
10	16QAM	25	0	20.13	20.01	20.06	21	1		
10	16QAM	25	12	20.20	20.18	20.04				
10	16QAM	25	25	20.11	20.10	19.93				
10	16QAM	50	0	20.09	20.16	20.07				
10	64QAM	1	0	20.23	20.19	20.21				
10	64QAM	1	25	20.28	20.17	20.26	21	1		
10	64QAM	1	49	19.96	20.06	20.00				
10	64QAM	25	0	19.21	19.17	19.00				
10	64QAM	25	12	19.08	19.13	19.12				
10	64QAM	25	25	19.05	19.21	19.95				
10	64QAM	50	0	19.12	19.16	19.13	20	2		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.22	21.41	21.14	22	0		
5	QPSK	1	12	21.28	21.34	21.14				
5	QPSK	1	24	21.16	21.30	21.12				
5	QPSK	12	0	21.08	21.22	21.01				
5	QPSK	12	7	20.95	21.03	21.13				
5	QPSK	12	13	21.21	21.20	20.97	22	0		
5	QPSK	25	0	21.07	21.24	20.92				
5	16QAM	1	0	21.27	21.29	20.94				
5	16QAM	1	12	21.24	21.29	21.12				
5	16QAM	1	24	21.04	21.20	21.08				
5	16QAM	12	0	20.15	20.14	20.03	21	1		
5	16QAM	12	7	20.09	19.97	20.12				
5	16QAM	12	13	20.03	20.10	19.99				
5	16QAM	25	0	20.06	20.07	20.01				
5	64QAM	1	0	20.17	20.36	20.10				
5	64QAM	1	12	20.24	20.12	20.28	21	1		
5	64QAM	1	24	20.11	20.18	19.93				
5	64QAM	12	0	19.02	19.21	19.21				
5	64QAM	12	7	18.86	19.05	19.02				
5	64QAM	12	13	19.07	19.10	19.07				
5	64QAM	25	0	19.03	19.08	18.90	20	2		
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	21.20	21.33	21.20	22	0		
3	QPSK	1	8	21.28	21.40	21.22				
3	QPSK	1	14	21.16	21.28	21.18				
3	QPSK	8	0	21.03	21.28	21.05				
3	QPSK	8	4	21.04	21.10	21.14				
3	QPSK	8	7	21.08	21.09	21.00	22	0		
3	QPSK	15	0	21.06	21.16	20.95				
3	16QAM	1	0	21.13	21.19	21.08				
3	16QAM	1	8	21.09	21.26	20.93				
3	16QAM	1	14	20.91	21.32	21.05				
3	16QAM	8	0	20.01	20.09	20.00	21	1		
3	16QAM	8	4	19.92	19.95	19.96				
3	16QAM	8	7	19.92	20.11	20.05				
3	16QAM	15	0	20.07	20.14	20.15				
3	64QAM	1	0	20.19	20.32	20.16				
3	64QAM	1	8	20.14	20.19	20.14	21	1		
3	64QAM	1	14	20.11	20.08	19.98				
3	64QAM	8	0	19.05	19.25	19.04				
3	64QAM	8	4	19.12	19.00	19.06				
3	64QAM	8	7	19.05	19.07	19.11				
3	64QAM	15	0	19.00	19.30	18.92	20	2		
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	21.26	21.39	21.13	22	0		
1.4	QPSK	1	3	21.18	21.32	21.14				
1.4	QPSK	1	5	21.16	21.32	21.16				
1.4	QPSK	3	0	21.23	21.44	21.20				
1.4	QPSK	3	1	21.21	21.35	21.22				
1.4	QPSK	3	1	21.13	21.33	21.10	22	0		
1.4	QPSK	6	0	20.93	21.22	20.94				
1.4	16QAM	1	0	20.84	21.02	21.12				
1.4	16QAM	1	3	20.89	20.87	20.97				
1.4	16QAM	1	5	21.04	20.96	20.90				
1.4	16QAM	3	0	21.08	21.19	20.91	22	0		
1.4	16QAM	3	1	20.97	21.17	20.85				
1.4	16QAM	3	3	20.73	21.17	21.01				
1.4	16QAM	6	0	19.99	20.11	19.91				
1.4	64QAM	1	0	20.05	19.92	20.03				
1.4	64QAM	1	3	20.05	19.95	19.95	21	1		
1.4	64QAM	1	5	19.91	20.09	19.97				
1.4	64QAM	3	0	20.04	20.22	20.11				
1.4	64QAM	3	1	20.10	20.12	20.09				
1.4	64QAM	3	3	19.96	20.11	19.95				
1.4	64QAM	6	0	18.94	19.13	19.09	20	2		



Band 71 Ant4 ECI3									
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				133222	133322	133372			
Frequency (MHz)				673	683	686			
20	QPSK	1	0	22.49	22.54	22.43	23	0	
20	QPSK	1	49	22.40	22.51	22.39			
20	QPSK	1	99	22.41	22.50	22.36			
20	QPSK	50	0	21.74	21.77	21.72	22	1	
20	QPSK	50	24	21.55	21.60	21.68			
20	QPSK	50	50	21.55	21.58	21.44			
20	QPSK	100	0	21.62	21.67	21.60	22	1	
20	16QAM	1	0	21.70	21.75	21.64			
20	16QAM	1	49	21.59	21.70	21.57			
20	16QAM	1	99	21.86	21.71	21.67	22	1	
20	16QAM	50	0	20.83	20.72	20.65			
20	16QAM	50	24	20.66	20.56	20.58			
20	16QAM	50	50	20.66	20.70	20.35	21	2	
20	16QAM	100	0	20.65	20.68	20.52			
20	64QAM	1	0	20.62	20.76	20.70			
20	64QAM	1	49	20.56	20.61	20.48	21	2	
20	64QAM	1	99	20.58	20.63	20.59			
20	64QAM	50	0	19.71	19.71	19.69			
20	64QAM	50	24	19.47	19.60	19.63	20	3	
20	64QAM	50	50	19.55	19.68	19.38			
20	64QAM	100	0	19.70	19.70	19.65			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.45	22.53	22.30	23	0	
15	QPSK	1	37	22.37	22.29	22.21			
15	QPSK	1	74	22.38	22.47	22.29			
15	QPSK	36	0	21.53	21.68	21.71	22	1	
15	QPSK	36	20	21.47	21.43	21.47			
15	QPSK	36	39	21.54	21.40	21.35			
15	QPSK	75	0	21.57	21.67	21.39	22	1	
15	16QAM	1	0	21.63	21.60	21.51			
15	16QAM	1	37	21.56	21.65	21.37			
15	16QAM	1	74	21.55	21.61	21.63	21	2	
15	16QAM	36	0	20.56	20.60	20.43			
15	16QAM	36	20	20.66	20.36	20.48			
15	16QAM	36	39	20.62	20.58	20.43	21	2	
15	16QAM	75	0	20.44	20.63	20.46			
15	64QAM	1	0	20.52	20.58	20.68			
15	64QAM	1	37	20.42	20.52	20.34	21	2	
15	64QAM	1	74	20.37	20.43	20.51			
15	64QAM	36	0	19.70	19.67	19.55			
15	64QAM	36	20	19.42	19.42	19.46	20	3	
15	64QAM	36	39	19.55	19.54	19.38			
15	64QAM	75	0	19.68	19.54	19.63			
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	678	693			
10	QPSK	1	0	22.35	22.47	22.28	23	0	
10	QPSK	1	25	22.23	22.36	22.40			
10	QPSK	1	49	22.32	22.30	22.15			
10	QPSK	25	0	21.55	21.64	21.50	22	1	
10	QPSK	25	12	21.56	21.59	21.46			
10	QPSK	25	25	21.53	21.56	21.39			
10	QPSK	50	0	21.53	21.48	21.42	22	1	
10	16QAM	1	0	21.58	21.73	21.46			
10	16QAM	1	25	21.56	21.68	21.40			
10	16QAM	1	49	21.58	21.59	21.54	21	2	
10	16QAM	25	0	20.58	20.71	20.50			
10	16QAM	25	12	20.62	20.52	20.48			
10	16QAM	25	25	20.53	20.54	20.41	21	2	
10	16QAM	50	0	20.66	20.50	20.52			
10	64QAM	1	0	20.52	20.57	20.51			
10	64QAM	1	25	20.42	20.52	20.38	21	2	
10	64QAM	1	49	20.55	20.47	20.46			
10	64QAM	25	0	19.66	19.63	19.47			
10	64QAM	25	12	19.46	19.57	19.56	20	3	
10	64QAM	25	25	19.46	19.64	19.38			
10	64QAM	50	0	19.68	19.50	19.51			
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	675.5	695.5			
5	QPSK	1	0	22.37	22.47	22.38	23	0	
5	QPSK	1	12	22.37	22.34	22.24			
5	QPSK	1	24	22.29	22.36	22.19			
5	QPSK	12	0	21.80	21.71	21.64	22	1	
5	QPSK	12	7	21.37	21.41	21.58			
5	QPSK	12	13	21.47	21.59	21.31			
5	QPSK	25	0	21.47	21.57	21.50	22	1	
5	16QAM	1	0	21.69	21.65	21.63			
5	16QAM	1	12	21.52	21.59	21.43			
5	16QAM	1	24	21.63	21.63	21.60	21	2	
5	16QAM	12	0	20.62	20.55	20.48			
5	16QAM	12	7	20.61	20.46	20.39			
5	16QAM	12	13	20.54	20.58	20.31	21	2	
5	16QAM	25	0	20.57	20.54	20.30			
5	64QAM	1	0	20.50	20.77	20.59			
5	64QAM	1	12	20.37	20.47	20.45	21	2	
5	64QAM	1	24	20.44	20.48	20.44			
5	64QAM	12	0	19.69	19.66	19.54			
5	64QAM	12	7	19.29	19.60	19.64	20	3	
5	64QAM	12	13	19.44	19.53	19.37			
5	64QAM	25	0	19.63	19.56	19.53			

Band 41 Ant4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.81	14.90	15.20	15.06	15.05	16	0
20	QPSK	1	49	14.82	14.86	15.10	14.93	15.13		
20	QPSK	1	99	15.11	14.99	15.11	15.13	15.11		
20	QPSK	50	0	14.77	14.87	15.13	15.05	14.96		
20	QPSK	50	24	14.81	14.81	15.06	14.91	14.98	16	0
20	QPSK	50	50	14.75	14.79	14.97	14.98	15.06		
20	QPSK	100	0	14.73	14.80	15.11	15.09	14.99		
20	16QAM	1	0	14.75	14.76	15.13	14.98	15.01		
20	16QAM	1	49	14.76	14.81	15.00	14.91	14.95	16	0
20	16QAM	1	99	14.71	14.86	15.09	14.98	15.01		
20	16QAM	50	0	14.72	14.77	15.13	15.03	14.96		
20	16QAM	50	24	14.81	14.81	15.00	14.85	15.02		
20	16QAM	50	50	14.71	14.89	15.16	15.07	15.02	16	0
20	16QAM	100	0	14.69	14.79	15.14	14.99	14.95		
20	64QAM	1	0	14.73	14.79	15.10	14.89	15.01		
20	64QAM	1	49	14.80	14.93	15.15	15.02	14.94		
20	64QAM	1	99	14.69	14.75	15.09	15.02	14.95	16	0
20	64QAM	50	0	14.73	14.83	15.07	14.93	14.95		
20	64QAM	50	24	14.82	14.87	15.16	15.06	15.00		
20	64QAM	50	50	14.77	14.81	15.05	14.95	14.98		
20	64QAM	100	0	14.78	14.82	15.08	14.95	15.01	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	14.74	14.92	15.16	15.05	14.96		
15	QPSK	1	37	14.74	14.75	15.13	14.92	14.95	16.0	0
15	QPSK	1	74	14.74	14.85	15.05	14.91	14.96		
15	QPSK	36	0	14.73	14.83	15.19	14.98	14.94		
15	QPSK	36	20	14.81	14.92	15.05	14.92	15.03		
15	QPSK	36	39	14.73	14.77	15.05	14.89	14.96	16	0
15	QPSK	75	0	14.72	14.90	15.10	14.98	15.00		
15	16QAM	1	0	14.82	14.79	15.05	15.03	14.99		
15	16QAM	1	37	14.79	14.88	15.04	14.98	14.95		
15	16QAM	1	74	14.74	14.92	15.10	14.97	14.95	16	0
15	16QAM	36	0	14.69	14.75	15.13	14.95	14.98		
15	16QAM	36	20	14.75	14.86	15.07	14.91	15.05		
15	16QAM	36	39	14.74	14.88	15.16	15.00	15.02		
15	16QAM	75	0	14.77	14.87	15.00	15.00	14.98	16	0
15	64QAM	1	0	14.77	14.86	15.07	14.94	14.94		
15	64QAM	1	37	14.74	14.87	15.16	15.00	14.95		
15	64QAM	1	74	14.80	14.82	15.10	14.91	15.06		
15	64QAM	36	0	14.76	14.94	15.11	14.86	14.93	16	0
15	64QAM	36	20	14.81	14.79	15.16	14.98	15.06		
15	64QAM	36	39	14.70	14.84	15.05	14.93	14.92		
15	64QAM	75	0	14.77	14.89	14.97	14.96	15.05		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.80	14.83	15.06	14.98	14.98	16.0	0
10	QPSK	1	25	14.82	14.75	15.04	14.93	14.96		
10	QPSK	1	49	14.70	14.81	15.11	14.87	14.93		
10	QPSK	25	0	14.78	14.91	15.07	15.07	15.03		
10	QPSK	25	12	14.83	14.83	15.04	15.02	14.95	16	0
10	QPSK	25	25	14.76	14.92	15.00	14.99	15.04		
10	QPSK	50	0	14.77	14.81	15.19	15.04	15.05		
10	16QAM	1	0	14.76	14.80	15.07	14.91	15.06		
10	16QAM	1	25	14.82	14.77	15.04	14.95	15.04	16	0
10	16QAM	1	49	14.84	14.90	15.18	15.07	14.95		
10	16QAM	25	0	14.75	14.76	15.07	15.00	15.00		
10	16QAM	25	12	14.82	14.80	15.02	14.97	14.98		
10	16QAM	25	25	14.76	14.80	15.14	15.02	14.95	16	0
10	16QAM	50	0	14.71	14.79	15.14	15.00	14.97		
10	64QAM	1	0	14.76	14.76	14.98	14.87	15.04		
10	64QAM	1	25	14.75	14.82	15.05	14.98	15.05		
10	64QAM	1	49	14.71	14.78	15.11	15.02	14.98	16	0
10	64QAM	25	0	14.77	14.77	15.07	14.85	14.96		
10	64QAM	25	12	14.81	14.80	15.09	15.11	14.99		
10	64QAM	25	25	14.71	14.75	15.09	15.02	14.93		
10	64QAM	50	0	14.80	14.82	15.05	14.95	15.04	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	14.77	14.92	15.19	14.98	15.03		
5	QPSK	1	12	14.78	14.82	15.05	14.94	15.06	16.0	0
5	QPSK	1	24	14.70	14.80	14.98	14.93	14.98		
5	QPSK	12	0	14.83	14.80	15.15	15.07	14.95		
5	QPSK	12	7	14.82	14.79	15.01	14.92	15.05	16	0
5	QPSK	12	13	14.79	14.76	14.99	14.96	14.98		
5	QPSK	25	0	14.77	14.84	15.06	14.99	15.04		
5	16QAM	1	0	14.75	14.82	15.00	15.02	14.96		
5	16QAM	1	12	14.81	14.78	14.98	14.93	14.92	16	0
5	16QAM	1	24	14.79	14.79	15.12	14.99	14.94		
5	16QAM	12	0	14.80	14.83	15.00	15.03	14.97		
5	16QAM	12	7	14.78	14.87	15.06	14.93	14.97		
5	16QAM	12	13	14.73	14.92	15.18	15.04	15.02	16	0
5	16QAM	25	0	14.73	14.78	15.09	15.02	15.01		
5	64QAM	1	0	14.82	14.80	15.08	14.90	14.92		
5	64QAM	1	12	14.72	14.93	15.11	15.00	15.02		
5	64QAM	1	24	14.80	14.87	15.07	14.98	15.04	16	0
5	64QAM	12	0	14.72	14.80	15.01	14.88	14.95		
5	64QAM	12	7	14.81	14.87	15.06	15.00	14.98		
5	64QAM	12	13	14.71	14.79	15.03	14.95	14.98		
5	64QAM	25	0	14.80	14.76	15.01	14.95	15.03	Tune-up limit (dBm)	MPR (dB)

Band 41 Ant4 HPUE ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.83	17.81	17.97	17.84	17.94	19	0
20	QPSK	1	49	17.81	17.81	17.84	17.76	17.77		
20	QPSK	1	99	17.81	17.81	17.96	17.83	17.81		
20	QPSK	50	0	17.47	17.46	17.90	17.77	17.87		
20	QPSK	50	24	17.54	17.59	17.88	17.78	17.70	19	0
20	QPSK	50	50	17.60	17.58	17.86	17.67	17.67		
20	QPSK	100	0	17.54	17.59	17.88	17.78	17.83		
20	16QAM	1	0	17.51	17.56	17.90	17.67	17.78		
20	16QAM	1	49	17.61	17.63	17.90	17.66	17.67	19	0
20	16QAM	1	99	17.47	17.50	17.89	17.89	17.91		
20	16QAM	50	0	17.48	17.66	17.84	17.73	17.75		
20	16QAM	50	24	17.55	17.59	17.85	17.68	17.68		
20	16QAM	50	50	17.54	17.52	17.93	17.78	17.85	19	0
20	16QAM	100	0	17.47	17.58	17.92	17.78	17.67		
20	64QAM	1	0	17.53	17.63	17.87	17.64	17.74		
20	64QAM	1	49	17.63	17.46	17.95	17.89	17.88		
20	64QAM	1	99	17.53	17.57	17.92	17.74	17.80	19	0
20	64QAM	50	0	17.53	17.65	17.92	17.69	17.69		
20	64QAM	50	24	17.57	17.47	17.90	17.90	17.94		
20	64QAM	50	50	17.52	17.62	17.87	17.70	17.72	19	0
20	64QAM	50	100	17.46	17.66	17.86	17.73	17.75		
20	64QAM	100	0	17.52	17.43	17.90	17.86	17.90		
Channel				25015	25183	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.56	17.55	17.90	17.90	17.81	19.0	0
15	QPSK	1	37	17.50	17.57	17.87	17.71	17.70		
15	QPSK	1	74	17.65	17.58	17.92	17.65	17.62		
15	QPSK	36	0	17.45	17.48	17.86	17.87	17.89		
15	QPSK	36	20	17.49	17.67	17.82	17.70	17.75	19	0
15	QPSK	36	39	17.60	17.66	17.95	17.65	17.72		
15	QPSK	75	0	17.53	17.47	17.91	17.77	17.91		
15	16QAM	1	0	17.57	17.66	17.91	17.71	17.76		
15	16QAM	1	37	17.59	17.66	17.84	17.63	17.66	19	0
15	16QAM	1	74	17.53	17.55	17.90	17.88	17.90		
15	16QAM	36	0	17.52	17.63	17.89	17.64	17.73		
15	16QAM	36	20	17.61	17.63	17.94	17.58	17.62		
15	16QAM	36	39	17.57	17.52	17.89	17.85	17.94	19	0
15	16QAM	75	0	17.52	17.53	17.86	17.78	17.74		
15	64QAM	1	0	17.55	17.61	17.89	17.69	17.73		
15	64QAM	1	37	17.49	17.49	17.88	17.86	17.93		
15	64QAM	1	74	17.44	17.59	17.82	17.69	17.67	19	0
15	64QAM	36	0	17.57	17.57	17.92	17.70	17.67		
15	64QAM	36	20	17.49	17.53	17.95	17.84	17.92		
15	64QAM	36	39	17.54	17.60	17.93	17.67	17.68		
15	64QAM	75	0	17.63	17.64	17.93	17.64	17.74	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41086	41540		
Frequency (MHz)				2651	2647	2693	2685	2685		
10	QPSK	1	0	17.44	17.53	17.90	17.82	17.86	19.0	0
10	QPSK	1	25	17.52	17.61	17.84	17.78	17.71		
10	QPSK	1	49	17.56	17.56	17.89	17.67	17.75		
10	QPSK	25	0	17.46	17.50	17.90	17.77	17.88		
10	QPSK	25	12	17.53	17.63	17.83	17.77	17.72	19	0
10	QPSK	25	25	17.56	17.65	17.89	17.70	17.72		
10	QPSK	50	0	17.49	17.49	17.90	17.91	17.84		
10	16QAM	1	0	17.53	17.56	17.85	17.68	17.75		
10	16QAM	1	25	17.64	17.62	17.86	17.60	17.73	19	0
10	16QAM	1	49	17.49	17.51	17.89	17.78	17.83		
10	16QAM	25	0	17.51	17.55	17.86	17.71	17.71		
10	16QAM	25	12	17.65	17.56	17.84	17.71	17.74		
10	16QAM	25	25	17.54	17.50	17.91	17.61	17.86	19	0
10	16QAM	50	0	17.50	17.55	17.85	17.79	17.72		
10	64QAM	1	0	17.61	17.66	17.86	17.63	17.71		
10	64QAM	1	25	17.83	17.57	17.95	17.86	17.90		
10	64QAM	1	49	17.46	17.56	17.92	17.71	17.73	19	0
10	64QAM	25	0	17.61	17.63	17.88	17.60	17.68		
10	64QAM	25	12	17.57	17.55	17.95	17.89	17.89		
10	64QAM	25	25	17.50	17.59	17.89	17.74	17.77		
10	64QAM	50	0	17.54	17.66	17.93	17.70	17.67	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.52	17.53	17.90	17.83	17.82	19.0	0
5	QPSK	1	0	17.46	17.58	17.86	17.69	17.78		
5	QPSK	1	24	17.62	17.67	17.94	17.63	17.68		
5	QPSK	12	0	17.50	17.47	17.93	17.84	17.91		
5	QPSK	12	7	17.50	17.60	17.85	17.69	17.74	19	0
5	QPSK	12	13	17.58	17.58	17.88	17.68	17.75		
5	QPSK	25	0	17.63	17.55	17.95	17.82	17.91		
5	16QAM	1	0	17.51	17.66	17.93	17.69	17.77		
5	16QAM	1	12	17.64	17.57	17.90	17.71	17.65	19	0
5	16QAM	1	24	17.44	17.48	17.86	17.82	17.82		
5	16QAM	12	0	17.45	17.61	17.88	17.76	17.69		
5	16QAM	12	7	17.54	17.61	17.94	17.59	17.79		
5	16QAM	12	13	17.41	17.47	17.93	17.80	17.92	19	0
5	16QAM	25	0	17.58	17.55	17.92	17.72	17.76		
5	64QAM	1	0	17.57	17.63	17.88	17.63	17.65		
5	64QAM	1	12	17.44	17.52	17.92	17.86	17.92		
5	64QAM	1	24	17.55	17.55	17.85	17.76	17.77	19	0
5	64QAM	12	0	17.65	17.65	17.95	17.72	17.64		
5	64QAM	12	7	17.54	17.47	17.93	17.83	17.86		
5	64QAM	12	13	17.46	17.65	17.92	17.66	17.80		
5	64QAM	25	0	17.63	17.63	17.88	17.62	17.73		

Band 48 Ant5_FCC ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	14.91	15.07	14.87	14.91	16.5	0
20	QPSK	1	49	14.69	15.01	14.79	14.86		
20	QPSK	1	99	14.66	15.04	14.81	14.88		
20	QPSK	50	0	14.90	15.06	14.94	14.99		
20	QPSK	50	24	14.82	15.00	14.83	14.84	16.5	0
20	QPSK	50	50	14.88	15.00	14.78	14.77		
20	QPSK	100	0	14.87	15.03	15.01	14.95		
20	16QAM	1	0	14.75	14.93	14.83	14.83		
20	16QAM	1	49	14.65	15.04	14.79	14.79	16.5	0
20	16QAM	1	99	14.94	15.05	14.99	14.97		
20	16QAM	50	0	14.70	15.04	14.74	14.89		
20	16QAM	50	24	14.71	14.98	14.84	14.87		
20	16QAM	50	50	14.92	14.98	14.92	14.90	16.5	0
20	16QAM	100	0	14.72	15.06	14.75	14.85		
20	64QAM	1	0	14.68	15.01	14.80	14.80		
20	64QAM	1	49	14.88	14.99	14.94	15.01		
20	64QAM	1	99	14.70	14.96	14.72	14.90	16.5	0
20	64QAM	50	0	14.73	14.99	14.76	14.88		
20	64QAM	50	24	14.91	15.00	14.90	14.96		
20	64QAM	50	50	14.75	14.97	14.83	14.90		
20	64QAM	100	0	14.74	15.01	14.79	14.76	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55920	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5	16.5	0
15	QPSK	1	0	14.75	14.88	14.71	14.86		
15	QPSK	1	37	14.63	14.85	14.63	14.80	16.5	0
15	QPSK	1	74	14.53	14.89	14.73	14.82		
15	QPSK	36	0	14.74	14.96	14.81	14.95		
15	QPSK	36	20	14.72	14.94	14.79	14.74		
15	QPSK	36	39	14.57	14.84	14.64	14.74	16.5	0
15	QPSK	75	0	14.77	14.86	14.89	14.82		
15	16QAM	1	0	14.68	14.81	14.76	14.85		
15	16QAM	1	37	14.52	14.92	14.64	14.64		
15	16QAM	1	74	14.81	14.92	14.94	14.93	16.5	0
15	16QAM	36	0	14.57	14.93	14.62	14.74		
15	16QAM	36	20	14.60	14.89	14.76	14.70		
15	16QAM	36	39	14.86	14.94	14.80	14.84		
15	16QAM	75	0	14.64	14.91	14.69	14.78	16.5	0
15	64QAM	1	0	14.59	14.91	14.65	14.74		
15	64QAM	1	37	14.83	14.84	14.90	14.98		
15	64QAM	1	74	14.66	14.92	14.59	14.79		
15	64QAM	36	0	14.60	14.83	14.69	14.81	16.5	0
15	64QAM	36	20	14.81	14.88	14.84	14.80		
15	64QAM	36	39	14.65	14.92	14.73	14.84		
15	64QAM	75	0	14.58	14.96	14.72	14.72		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565	3607.5	3642.5	3695		
10	QPSK	1	0	14.80	14.88	14.78	14.84	16.5	0
10	QPSK	1	25	14.62	14.96	14.63	14.81		
10	QPSK	1	49	14.52	14.94	14.64	14.82		
10	QPSK	25	0	14.81	15.02	14.89	14.90		
10	QPSK	25	12	14.77	14.85	14.74	14.72	16.5	0
10	QPSK	25	25	14.60	14.91	14.73	14.65		
10	QPSK	50	0	14.76	14.98	14.86	14.87		
10	16QAM	1	0	14.59	14.84	14.58	14.83		
10	16QAM	1	25	14.51	14.88	14.76	14.62	16.5	0
10	16QAM	1	49	14.81	14.92	14.82	14.83		
10	16QAM	25	0	14.63	15.01	14.59	14.85		
10	16QAM	25	12	14.64	14.84	14.76	14.70		
10	16QAM	25	25	14.75	14.87	14.81	14.76	16.5	0
10	16QAM	50	0	14.60	15.02	14.62	14.81		
10	64QAM	1	0	14.57	14.89	14.68	14.76		
10	64QAM	1	25	14.79	14.87	14.86	14.94		
10	64QAM	1	49	14.61	14.91	14.65	14.80	16.5	0
10	64QAM	25	0	14.61	14.86	14.70	14.76		
10	64QAM	25	12	14.82	14.91	14.77	14.81		
10	64QAM	25	25	14.72	14.89	14.72	14.83		
10	64QAM	50	0	14.71	14.90	14.63	14.72	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3562.5	3607	3643	3697.5	16.5	0
5	QPSK	1	0	14.82	14.86	14.77	14.80		
5	QPSK	1	12	14.53	14.85	14.70	14.82	16.5	0
5	QPSK	1	24	14.57	15.01	14.69	14.82		
5	QPSK	12	0	14.76	15.01	14.90	14.89		
5	QPSK	12	7	14.73	14.88	14.79	14.72		
5	QPSK	12	13	14.52	14.93	14.68	14.62	16.5	0
5	QPSK	25	0	14.74	14.92	14.86	14.91		
5	16QAM	1	0	14.68	14.88	14.68	14.79		
5	16QAM	1	12	14.59	14.94	14.67	14.63		
5	16QAM	1	24	14.81	14.89	14.84	14.82	16.5	0
5	16QAM	12	0	14.65	14.90	14.66	14.81		
5	16QAM	12	7	14.62	14.94	14.75	14.80		
5	16QAM	12	13	14.86	14.85	14.83	14.79		
5	16QAM	25	0	14.67	14.97	14.61	14.75	16.5	0
5	64QAM	1	0	14.80	14.84	14.76	14.74		
5	64QAM	1	12	14.83	14.90	14.81	14.95		
5	64QAM	1	24	14.55	14.87	14.64	14.85		
5	64QAM	12	0	14.63	14.91	14.61	14.73	16.5	0
5	64QAM	12	7	14.78	14.85	14.77	14.82		
5	64QAM	12	13	14.64	14.83	14.78	14.85		
5	64QAM	25	0	14.64	14.90	14.75	14.63		

Band 41 Ant7 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.53	16.64	17.01	16.69	16.89	18	0
20	QPSK	1	49	16.66	16.64	16.86	16.60	16.84		
20	QPSK	1	99	16.56	16.61	16.94	16.82	16.79		
20	QPSK	50	0	16.51	16.71	16.98	16.77	16.79		
20	QPSK	50	24	16.53	16.57	16.97	16.54	16.80	18	0
20	QPSK	50	50	16.63	16.65	16.84	16.62	16.90		
20	QPSK	100	0	16.52	16.66	16.96	16.71	16.87		
20	16QAM	1	0	16.51	16.66	16.88	16.60	16.77		
20	16QAM	1	49	16.44	16.60	16.86	16.64	16.88	18	0
20	16QAM	1	99	16.51	16.77	16.88	16.78	16.84		
20	16QAM	50	0	16.57	16.69	16.87	16.54	16.83		
20	16QAM	50	24	16.57	16.65	16.92	16.67	16.86		
20	16QAM	50	50	16.65	16.63	16.98	16.74	16.85	18	0
20	16QAM	100	0	16.59	16.60	16.88	16.55	16.78		
20	64QAM	1	0	16.57	16.64	16.93	16.84	16.90		
20	64QAM	1	49	16.56	16.71	16.93	16.73	16.80		
20	64QAM	1	99	16.56	16.59	16.90	16.54	16.74	18	0
20	64QAM	50	0	16.55	16.57	16.91	16.61	16.86		
20	64QAM	50	24	16.59	16.77	16.96	16.76	16.89		
20	64QAM	50	50	16.48	16.68	16.90	16.56	16.74		
20	64QAM	100	0	16.52	16.62	16.93	16.58	16.81	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	16.50	16.63	16.90	16.71	16.89		
15	QPSK	1	37	16.59	16.57	16.94	16.49	16.75	18.0	0
15	QPSK	1	74	16.56	16.57	16.91	16.66	16.79		
15	QPSK	36	0	16.49	16.75	16.87	16.71	16.81		
15	QPSK	36	20	16.45	16.67	16.87	16.61	16.78		
15	QPSK	36	39	16.55	16.67	16.83	16.60	16.87	18	0
15	QPSK	75	0	16.46	16.64	16.94	16.76	16.90		
15	16QAM	1	0	16.54	16.63	16.98	16.57	16.81		
15	16QAM	1	37	16.54	16.56	16.85	16.64	16.78		
15	16QAM	1	74	16.65	16.73	17.00	16.81	16.82	18	0
15	16QAM	36	0	16.58	16.57	16.96	16.53	16.76		
15	16QAM	36	20	16.54	16.57	16.90	16.61	16.85		
15	16QAM	36	39	16.56	16.71	16.87	16.72	16.78		
15	16QAM	75	0	16.63	16.57	16.99	16.50	16.82	18	0
15	64QAM	1	0	16.48	16.55	16.89	16.61	16.86		
15	64QAM	1	37	16.50	16.66	16.89	16.75	16.90		
15	64QAM	1	74	16.56	16.59	16.92	16.48	16.76		
15	64QAM	36	0	16.66	16.58	16.83	16.61	16.84	18	0
15	64QAM	36	20	16.53	16.64	16.97	16.73	16.89		
15	64QAM	36	39	16.59	16.67	16.96	16.48	16.81		
15	64QAM	75	0	16.50	16.66	16.86	16.62	16.83		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	16.46	16.70	16.88	16.77	16.88	18.0	0
10	QPSK	1	25	16.55	16.57	16.92	16.53	16.81		
10	QPSK	1	49	16.56	16.60	16.82	16.62	16.80		
10	QPSK	25	0	16.57	16.67	16.87	16.79	16.89		
10	QPSK	25	12	16.54	16.69	16.89	16.54	16.79	18	0
10	QPSK	25	25	16.45	16.67	16.82	16.55	16.84		
10	QPSK	50	0	16.48	16.71	16.87	16.71	16.82		
10	16QAM	1	0	16.59	16.67	16.86	16.47	16.79		
10	16QAM	1	25	16.54	16.68	16.81	16.63	16.81	18	0
10	16QAM	1	49	16.46	16.66	16.95	16.77	16.90		
10	16QAM	25	0	16.56	16.68	16.88	16.58	16.88		
10	16QAM	25	12	16.48	16.58	16.92	16.64	16.79		
10	16QAM	25	25	16.56	16.73	16.93	16.61	16.80	18	0
10	16QAM	50	0	16.52	16.67	16.95	16.56	16.84		
10	64QAM	1	0	16.56	16.55	16.88	16.64	16.86		
10	64QAM	1	25	16.48	16.75	16.95	16.71	16.85		
10	64QAM	1	49	16.49	16.59	16.93	16.56	16.79	18	0
10	64QAM	25	0	16.47	16.68	16.82	16.39	16.81		
10	64QAM	25	12	16.54	16.69	16.92	16.76	16.79		
10	64QAM	25	25	16.58	16.62	16.93	16.58	16.83		
10	64QAM	50	0	16.50	16.55	16.89	16.63	16.89	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.45	16.76	16.90	16.80	16.82		
5	QPSK	1	12	16.53	16.57	16.90	16.49	16.83	18.0	0
5	QPSK	1	24	16.47	16.55	16.85	16.63	16.88		
5	QPSK	12	0	16.47	16.66	16.92	16.78	16.90		
5	QPSK	12	7	16.46	16.57	16.91	16.51	16.79	18	0
5	QPSK	12	13	16.56	16.63	16.92	16.61	16.90		
5	QPSK	25	0	16.48	16.74	16.94	16.77	16.89		
5	16QAM	1	0	16.56	16.66	16.99	16.61	16.74		
5	16QAM	1	12	16.57	16.65	16.84	16.61	16.78	18	0
5	16QAM	1	24	16.55	16.71	16.95	16.82	16.89		
5	16QAM	12	0	16.48	16.62	16.91	16.50	16.85		
5	16QAM	12	7	16.58	16.55	16.89	16.61	16.85		
5	16QAM	12	13	16.51	16.68	16.92	16.70	16.90	18	0
5	16QAM	25	0	16.60	16.67	16.90	16.60	16.79		
5	64QAM	1	0	16.47	16.62	16.89	16.61	16.86		
5	64QAM	1	12	16.55	16.67	16.90	16.76	16.90		
5	64QAM	1	24	16.53	16.58	16.93	16.49	16.76	18	0
5	64QAM	12	0	16.51	16.58	16.83	16.66	16.88		
5	64QAM	12	7	16.66	16.69	16.93	16.78	16.87		
5	64QAM	12	13	16.52	16.58	17.00	16.52	16.76		
5	64QAM	25	0	16.56	16.60	16.88	16.57	16.87	Tune-up limit (dBm)	MPR (dB)

Band 41 Ant7 HPUE ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.71	19.72	19.96	19.86	19.78	21	0
20	QPSK	1	49	19.48	19.55	19.87	19.78	19.73		
20	QPSK	1	99	19.52	19.69	19.93	19.67	19.76		
20	QPSK	50	0	19.71	19.75	19.96	19.82	19.85		
20	QPSK	50	24	19.51	19.59	19.84	19.70	19.68	21	0
20	QPSK	50	50	19.38	19.77	19.83	19.60	19.70		
20	QPSK	100	0	19.62	19.66	19.88	19.74	19.86		
20	16QAM	1	0	19.53	19.60	19.87	19.70	19.72		
20	16QAM	1	49	19.49	19.79	19.78	19.65	19.66	21	0
20	16QAM	1	99	19.61	19.66	19.93	19.81	19.82		
20	16QAM	50	0	19.50	19.60	19.81	19.65	19.80		
20	16QAM	50	24	19.44	19.79	19.87	19.68	19.71		
20	16QAM	50	50	19.59	19.71	19.85	19.84	19.79	21	0
20	16QAM	100	0	19.52	19.56	19.87	19.77	19.72		
20	64QAM	1	0	19.48	19.69	19.81	19.68	19.72		
20	64QAM	1	49	19.70	19.69	19.84	19.78	19.77		
20	64QAM	1	99	19.47	19.54	19.89	19.68	19.72	21	0
20	64QAM	50	0	19.40	19.77	19.79	19.68	19.76		
20	64QAM	50	24	19.59	19.77	19.85	19.75	19.87		
20	64QAM	50	50	19.53	19.54	19.80	19.75	19.71	21	0
20	64QAM	50	0	19.51	19.74	19.86	19.74	19.85		
20	64QAM	100	0	19.72	19.73	19.86	19.81	19.82		
Channel				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.67	19.77	19.93	19.82	19.82	21.0	0
15	QPSK	1	37	19.59	19.62	19.79	19.77	19.69		
15	QPSK	1	74	19.48	19.73	19.78	19.67	19.66		
15	QPSK	36	0	19.63	19.67	19.81	19.76	19.86		
15	QPSK	36	20	19.53	19.58	19.86	19.65	19.69	21	0
15	QPSK	36	39	19.46	19.72	19.86	19.64	19.72		
15	QPSK	75	0	19.64	19.67	19.86	19.79	19.86		
15	16QAM	1	0	19.51	19.53	19.77	19.72	19.67		
15	16QAM	1	37	19.41	19.77	19.78	19.67	19.78	21	0
15	16QAM	1	74	19.57	19.73	19.83	19.69	19.88		
15	16QAM	36	0	19.54	19.50	19.78	19.64	19.73		
15	16QAM	36	20	19.45	19.67	19.80	19.61	19.73		
15	16QAM	36	39	19.68	19.67	19.85	19.81	19.83	21	0
15	16QAM	75	0	19.47	19.53	19.78	19.78	19.75		
15	64QAM	1	0	19.56	19.76	19.84	19.68	19.77		
15	64QAM	1	37	19.71	19.74	19.91	19.76	19.83		
15	64QAM	1	74	19.60	19.55	19.76	19.78	19.79	21	0
15	64QAM	36	0	19.52	19.68	19.86	19.70	19.70		
15	64QAM	36	20	19.59	19.69	19.87	19.78	19.88		
15	64QAM	36	39	19.55	19.57	19.79	19.74	19.68		
15	64QAM	75	0	19.39	19.70	19.87	19.63	19.66	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41086	41540		
Frequency (MHz)				2651	2694	2738	2783	2825		
10	QPSK	1	0	19.61	19.66	19.86	19.73	19.85	21.0	0
10	QPSK	1	25	19.53	19.62	19.89	19.67	19.71		
10	QPSK	1	49	19.48	19.67	19.85	19.69	19.76		
10	QPSK	25	0	19.66	19.76	19.81	19.79	19.78		
10	QPSK	25	12	19.60	19.55	19.83	19.71	19.80	21	0
10	QPSK	25	25	19.51	19.78	19.75	19.71	19.76		
10	QPSK	50	0	19.61	19.66	19.83	19.85	19.91		
10	16QAM	1	0	19.55	19.55	19.77	19.65	19.79		
10	16QAM	1	25	19.47	19.77	19.84	19.68	19.66	21	0
10	16QAM	1	49	19.69	19.73	19.89	19.84	19.80		
10	16QAM	25	0	19.50	19.59	19.89	19.78	19.72		
10	16QAM	25	12	19.44	19.71	19.83	19.65	19.67		
10	16QAM	25	25	19.62	19.72	19.93	19.71	19.85	21	0
10	16QAM	50	0	19.54	19.55	19.78	19.74	19.68		
10	64QAM	1	0	19.56	19.78	19.75	19.73	19.68		
10	64QAM	1	25	19.61	19.69	19.93	19.81	19.84		
10	64QAM	1	49	19.50	19.57	19.82	19.73	19.81	21	0
10	64QAM	25	0	19.49	19.67	19.78	19.66	19.77		
10	64QAM	25	12	19.63	19.77	19.85	19.84	19.87		
10	64QAM	25	25	19.52	19.53	19.80	19.69	19.68		
10	64QAM	50	0	19.51	19.72	19.80	19.63	19.75	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.57	19.73	19.84	19.82	19.84	21.0	0
5	QPSK	1	12	19.50	19.57	19.70	19.70	19.70		
5	QPSK	1	24	19.58	19.70	19.76	19.62	19.66		
5	QPSK	12	0	19.68	19.68	19.85	19.76	19.88		
5	QPSK	12	7	19.48	19.63	19.80	19.65	19.71	21	0
5	QPSK	12	13	19.47	19.72	19.84	19.67	19.75		
5	QPSK	25	0	19.69	19.74	19.82	19.72	19.82		
5	16QAM	1	0	19.48	19.53	19.79	19.66	19.77		
5	16QAM	1	12	19.44	19.66	19.75	19.65	19.72	21	0
5	16QAM	1	24	19.70	19.67	19.89	19.82	19.89		
5	16QAM	12	0	19.55	19.59	19.84	19.78	19.71		
5	19QAM	12	7	19.45	19.75	19.75	19.61	19.72		
5	16QAM	12	13	19.67	19.68	19.83	19.72	19.87	21	0
5	16QAM	25	0	19.53	19.51	19.76	19.67	19.73		
5	64QAM	1	0	19.68	19.79	19.78	19.70	19.66		
5	64QAM	1	12	19.62	19.77	19.92	19.75	19.96		
5	64QAM	1	24	19.60	19.63	19.78	19.68	19.78	21	0
5	64QAM	12	0	19.50	19.66	19.84	19.67	19.69		
5	64QAM	12	7	19.70	19.79	19.89	19.84	19.83		
5	64QAM	12	13	19.59	19.59	19.90	19.71	19.80		
5	64QAM	25	0	19.50	19.77	19.76	19.68	19.73		

ECI6 Power

		ECW						
GSM850 Ant0		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)		
TX Channel		128	168	251		128	168	251
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		29.61	29.70	29.55	30.50	20.61	20.70	20.55
GPRS 1 Tx slot		29.59	29.59	29.51	30.50	20.59	20.59	20.51
GPRS 2 Tx slots		28.53	28.46	28.40	29.50	22.53	22.46	22.40
GPRS 3 Tx slots		26.35	26.43	26.38	27.50	22.09	22.17	22.12
GPRS 4 Tx slots		25.16	25.30	25.21	26.50	22.16	22.30	22.21
EDGE 1 Tx slot		23.23	23.30	23.16	24.50	14.23	14.30	14.16
EDGE 2 Tx slots		22.11	22.21	22.11	23.00	16.11	16.21	16.11
EDGE 3 Tx slots		19.85	19.90	19.94	21.00	15.59	15.64	15.68
EDGE 4 Tx slots		18.49	18.49	18.54	19.50	15.49	15.49	15.54

		EOL							
GSM1900 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		25.58	25.71	25.41	26.00	16.58	16.71	16.41	17.00
GPRS 1 Tx slot		25.65	25.73	25.57	26.00	16.65	16.73	16.57	17.00
GPRS 2 Tx slots		24.81	24.85	24.55	25.00	18.81	18.85	18.55	19.00
GPRS 3 Tx slots		22.85	22.90	22.47	23.50	18.59	18.64	18.21	
GPRS 4 Tx slots		21.59	21.62	21.47	22.00	18.59	18.62	18.47	
EDGE 1 Tx slot		21.36	21.28	21.10	22.50	12.36	12.28	12.10	13.50
EDGE 2 Tx slots		20.21	20.22	20.05	21.50	14.21	14.22	14.05	15.50
EDGE 3 Tx slots		18.17	18.22	18.05	19.50	13.91	13.96	13.79	15.25
EDGE 4 Tx slots		16.75	16.89	16.75	18.00	13.75	13.89	13.75	15.00

	ECI6					ECI9					ECI8				
	Band	WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)		
TX Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233				
Rx Channel	8662	8800	8938		1537	1638	1738		4357	4407	4458				
Frequency (MHz)	1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	16.66	16.95	16.88	18.50	19.45	19.47	19.48	21.00	22.11	22.23	22.12			
3GPP Rel 99	RMC 12.2Kbps	16.85	17.02	16.94	18.50	19.49	19.52	19.49	21.00	22.13	22.29	22.15			
3GPP Rel 6	HSDPA Subtest-1	15.71	16.06	16.02	17.50	18.43	18.53	18.49	20.00	21.13	21.28	21.18			
3GPP Rel 6	HSDPA Subtest-2	15.72	15.96	15.86	17.50	18.45	18.50	18.48	20.00	21.18	21.34	21.16			
3GPP Rel 6	HSDPA Subtest-3	15.28	15.53	15.51	17.00	18.01	18.05	17.98	19.50	20.63	20.80	20.65			
3GPP Rel 6	HSDPA Subtest-4	15.34	15.57	15.49	17.00	17.98	18.06	18.00	19.50	20.61	20.84	20.71			
3GPP Rel 8	DC-HSDPA Subtest-1	15.83	16.03	15.88	17.50	18.47	18.48	18.54	20.00	21.20	21.32	21.14			
3GPP Rel 8	DC-HSDPA Subtest-2	15.72	16.01	15.90	17.50	18.53	18.52	18.48	20.00	21.18	21.31	21.08			
3GPP Rel 8	DC-HSDPA Subtest-3	15.15	15.54	15.47	17.00	17.94	18.00	17.96	19.50	20.60	20.83	20.67			
3GPP Rel 8	DC-HSDPA Subtest-4	15.30	15.52	15.48	17.00	17.97	18.01	17.94	19.50	20.57	20.78	20.60			
3GPP Rel 6	HSUPA Subtest-1	15.75	15.98	15.92	17.50	18.53	18.56	18.54	20.00	21.19	21.27	21.13			
3GPP Rel 6	HSUPA Subtest-2	13.84	14.11	13.95	15.50	16.48	16.53	16.54	18.00	19.17	19.34	19.21			
3GPP Rel 6	HSUPA Subtest-3	14.80	14.99	14.93	16.50	17.49	17.53	17.44	19.00	20.16	20.24	20.17			
3GPP Rel 6	HSUPA Subtest-4	13.69	14.14	13.98	15.50	16.45	16.52	16.44	18.00	19.08	19.28	19.17			
3GPP Rel 6	HSUPA Subtest-5	15.77	16.05	15.97	17.50	18.48	18.49	18.48	20.00	21.14	21.24	21.15			
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.49	13.62	13.58	15.00	15.98	15.99	15.98	17.50	18.68	18.83	18.84			

Band 2 ECI6 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.14	17.32	17.21			
20	QPSK	1	49	17.05	17.21	17.18	18.5	0	
20	QPSK	1	99	16.95	17.24	17.09			
20	QPSK	50	0	17.03	17.24	17.18			
20	QPSK	50	24	16.87	17.23	17.16	18.5	0	
20	QPSK	50	50	17.04	17.09	17.11			
20	QPSK	100	0	17.14	17.21	17.12			
20	16QAM	1	0	17.22	17.30	17.20			
20	16QAM	1	49	17.10	17.23	17.17	18.5	0	
20	16QAM	1	99	17.29	17.26	17.19			
20	16QAM	50	0	17.07	17.22	17.23			
20	16QAM	50	24	17.09	17.22	17.14	18.5	0	
20	16QAM	50	50	16.94	17.20	16.96			
20	16QAM	100	0	17.16	17.27	17.22			
20	64QAM	1	0	17.22	17.28	17.26			
20	64QAM	1	49	17.23	17.25	17.21	18.5	0	
20	64QAM	1	99	17.17	17.26	17.19			
20	64QAM	50	0	17.19	17.24	17.23			
20	64QAM	50	24	16.98	17.28	17.10	18.5	0	
20	64QAM	50	50	16.96	17.29	16.88			
20	64QAM	100	0	17.01	17.21	17.20			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.09	17.29	17.24			
15	QPSK	1	37	16.96	17.23	17.11	18.5	0	
15	QPSK	1	74	16.99	17.16	17.01			
15	QPSK	36	0	16.94	17.14	17.13			
15	QPSK	36	20	16.77	17.22	17.18	18.5	0	
15	QPSK	36	39	16.96	17.04	17.11			
15	QPSK	75	0	17.12	17.16	17.03			
15	16QAM	1	0	17.20	17.28	17.11			
15	16QAM	1	37	17.13	17.23	17.14	18.5	0	
15	16QAM	1	74	17.27	17.18	17.17			
15	16QAM	36	0	17.11	17.14	17.22			
15	16QAM	36	20	17.06	17.17	17.06	18.5	0	
15	16QAM	36	39	16.94	17.19	16.98			
15	16QAM	75	0	17.12	17.20	17.19			
15	64QAM	1	0	17.23	17.23	17.16			
15	64QAM	1	37	17.24	17.25	17.23	18.5	0	
15	64QAM	1	74	17.14	17.24	17.19			
15	64QAM	36	0	17.18	17.24	17.15			
15	64QAM	36	20	16.90	17.23	17.09	18.5	0	
15	64QAM	36	39	16.97	17.23	16.99			
15	64QAM	75	0	17.19	17.23	17.19			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.16	17.28	17.20			
10	QPSK	1	25	17.09	17.17	17.15	18.5	0	
10	QPSK	1	49	16.89	17.18	17.03			
10	QPSK	25	0	17.03	17.26	17.14			
10	QPSK	25	12	16.89	17.21	17.10			
10	QPSK	25	25	17.01	17.01	17.10	18.5	0	
10	QPSK	50	0	17.06	17.12	17.04			
10	16QAM	1	0	17.22	17.21	17.18			
10	16QAM	1	25	17.10	17.13	17.09	18.5	0	
10	16QAM	1	49	17.29	17.24	17.23			
10	16QAM	25	0	17.06	17.17	17.31			
10	16QAM	25	12	17.09	17.29	17.17	18.5	0	
10	16QAM	25	25	16.85	17.14	16.91			
10	16QAM	50	0	17.14	17.18	17.21			
10	64QAM	1	0	17.25	17.20	17.23			
10	64QAM	1	25	17.21	17.29	17.13	18.5	0	
10	64QAM	1	49	17.12	17.31	17.11			
10	64QAM	25	0	17.10	17.27	17.17			
10	64QAM	25	12	16.93	17.24	17.07	18.5	0	
10	64QAM	25	25	16.90	17.29	16.87			
10	64QAM	50	0	16.91	17.12	17.15			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.08	17.26	17.24			
5	QPSK	1	12	17.03	17.17	17.11	18.5	0	
5	QPSK	1	24	16.99	17.17	17.00			
5	QPSK	12	0	16.98	17.17	17.09			
5	QPSK	12	7	16.86	17.22	17.11	18.5	0	
5	QPSK	12	13	17.06	17.01	17.15			
5	QPSK	25	0	17.18	17.23	17.14			
5	16QAM	1	0	17.13	17.22	17.19			
5	16QAM	1	12	17.11	17.15	17.21	18.5	0	
5	16QAM	1	24	17.26	17.25	17.21			
5	16QAM	12	0	17.07	17.20	17.22			
5	16QAM	12	7	17.04	17.27	17.14	18.5	0	
5	16QAM	12	13	16.97	17.16	16.88			
5	16QAM	25	0	17.16	17.20	17.21			
5	64QAM	1	0	17.17	17.21	17.27			
5	64QAM	1	12	17.23	17.24	17.16	18.5	0	
5	64QAM	1	24	17.14	17.20	17.17			
5	64QAM	12	0	17.11	17.17	17.24			
5	64QAM	12	7	16.99	17.24	17.06	18.5	0	
5	64QAM	12	13	16.89	17.20	16.89			
5	64QAM	25	0	16.93	17.15	17.11			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.04	17.25	17.17			
3	QPSK	1	8	16.95	17.23	17.15	18.5	0	
3	QPSK	1	14	16.87	17.25	17.03			
3	QPSK	8	0	17.06	17.19	17.09			
3	QPSK	8	4	16.80	17.17	17.06	18.5	0	
3	QPSK	8	7	16.97	17.13	17.07			
3	QPSK	15	0	17.06	17.24	17.10			
3	16QAM	1	0	17.23	17.29	17.17			
3	16QAM	1	8	17.05	17.23	17.10	18.5	0	
3	16QAM	1	14	17.28	17.17	17.20			
3	16QAM	8	0	17.04	17.13	17.26			
3	16QAM	8	4	17.03	17.22	17.17	18.5	0	
3	16QAM	8	7	16.94	17.14	16.99			
3	16QAM	15	0	17.07	17.29	17.17			
3	64QAM	1	0	17.14	17.22	17.30			
3	64QAM	1	8	17.27	17.18	17.19	18.5	0	
3	64QAM	1	14	17.09	17.25	17.19			
3	64QAM	8	0	17.15	17.15	17.17			
3	64QAM	8	4	16.96	17.29	17.09	18.5	0	
3	64QAM	8	7	16.90	17.24	16.90			
3	64QAM	15	0	16.99	17.17	17.11			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.15	17.30	17.11			
1.4	QPSK	1	3	17.04	17.22	17.11	18.5	0	
1.4	QPSK	1	5	16.97	17.17	17.05			
1.4	QPSK	3	0	16.98	17.28	17.21			
1.4	QPSK	3	1	16.84	17.18	17.12			
1.4	QPSK	3	3	16.99	17.10	17.05	18.5	0	
1.4	QPSK	6	0	17.16	17.23	17.07			
1.4	16QAM	1	0	17.25	17.30	17.21			
1.4	16QAM	1	3	17.09	17.19	17.20	18.5	0	
1.4	16QAM	1	5	17.24	17.17	17.13			
1.4	16QAM	3	0	17.06	17.21	17.29			
1.4	16QAM	3	1	17.09	17.30	17.12			
1.4	16QAM	3	3	16.88	17.14	16.98	18.5	0	
1.4	16QAM	6	0	17.16	17.17	17.15			
1.4	64QAM	1	0	17.23	17.30	17.24			
1.4	64QAM	1	3	17.25	17.24	17.16			
1.4	64QAM	1	5	17.17	17.21	17.13	18.5	0	
1.4	64QAM	3	0	17.20	17.21	17.20			
1.4	64QAM	3	1	16.91	17.22	17.10			
1.4	64QAM	3	3	16.98	17.28	16.81	18.5	0	
1.4	64QAM	6	0	16.92	17.20	17.12			

Band 4 ECI6 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.54	19.59	19.51			
20	QPSK	1	49	19.46	19.52	19.57	21	0	
20	QPSK	1	99	19.46	19.55	19.47			
20	QPSK	50	0	19.45	19.58	19.56			
20	QPSK	50	24	19.37	19.53	19.49	21	0	
20	QPSK	50	50	19.37	19.49	19.38			
20	QPSK	100	0	19.46	19.52	19.51			
20	16QAM	1	0	19.50	19.53	19.47			
20	16QAM	1	49	19.49	19.57	19.55	21	0	
20	16QAM	1	99	19.26	19.58	19.50			
20	16QAM	50	0	19.27	19.50	19.55			
20	16QAM	50	24	19.44	19.37	19.45	21	0	
20	16QAM	50	50	19.44	19.52	19.37			
20	16QAM	100	0	19.27	19.57	19.40			
20	64QAM	1	0	19.45	19.52	19.38			
20	64QAM	1	49	19.48	19.48	19.43	21	0	
20	64QAM	1	99	19.23	19.51	19.44			
20	64QAM	50	0	19.38	19.50	19.42			
20	64QAM	50	24	19.48	19.51	19.51	21	0	
20	64QAM	50	50	19.38	19.50	19.46			
20	64QAM	100	0	19.46	19.55	19.52			
Channel									
Frequency (MHz)				20025 <th>20175<th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20300 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	19.56	19.56	19.48			
15	QPSK	1	37	19.49	19.50	19.52	21	0	
15	QPSK	1	74	19.39	19.58	19.39			
15	QPSK	36	0	19.49	19.57	19.53			
15	QPSK	36	20	19.34	19.49	19.46	21	0	
15	QPSK	36	39	19.49	19.49	19.34			
15	QPSK	75	0	19.38	19.44	19.43			
15	16QAM	1	0	19.49	19.52	19.43			
15	16QAM	1	37	19.46	19.54	19.47	21	0	
15	16QAM	1	74	19.25	19.57	19.57			
15	16QAM	36	0	19.18	19.51	19.55			
15	16QAM	36	20	19.40	19.30	19.37	21	0	
15	16QAM	36	39	19.45	19.52	19.35			
15	16QAM	75	0	19.26	19.50	19.43			
15	64QAM	1	0	19.41	19.44	19.38			
15	64QAM	1	37	19.49	19.49	19.46	21	0	
15	64QAM	1	74	19.21	19.49	19.34			
15	64QAM	36	0	19.29	19.56	19.35			
15	64QAM	36	20	19.47	19.49	19.42	21	0	
15	64QAM	36	39	19.46	19.46	19.39			
15	64QAM	75	0	19.39	19.38	19.50			
Channel									
Frequency (MHz)				20000 <th>20175<th>20300</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20175 <th>20300</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	19.51	19.57	19.50			
10	QPSK	1	25	19.46	19.43	19.53	21	0	
10	QPSK	1	49	19.36	19.54	19.44			
10	QPSK	25	0	19.43	19.53	19.51	21	0	
10	QPSK	25	12	19.33	19.54	19.39			
10	QPSK	25	25	19.33	19.51	19.53			
10	QPSK	50	0	19.42	19.53	19.54			
10	16QAM	1	0	19.42	19.53	19.43			
10	16QAM	1	25	19.47	19.50	19.53	21	0	
10	16QAM	1	49	19.29	19.54	19.49			
10	16QAM	25	0	19.29	19.50	19.38	21	0	
10	16QAM	25	12	19.36	19.44	19.35			
10	16QAM	25	25	19.30	19.54	19.35			
10	16QAM	50	0	19.29	19.58	19.40			
10	64QAM	1	0	19.38	19.55	19.28			
10	64QAM	1	25	19.43	19.51	19.40	21	0	
10	64QAM	1	49	19.23	19.49	19.41			
10	64QAM	25	0	19.30	19.49	19.33			
10	64QAM	25	12	19.35	19.49	19.39	21	0	
10	64QAM	25	25	19.47	19.39	19.40			
10	64QAM	50	0	19.43	19.38	19.37			
Channel									
Frequency (MHz)				1957.5 <th>1971.5<th>2037.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	1971.5 <th>2037.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	2037.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5</th><th></th><th></th><th></th></th>	1732.5 <th>1752.5</th> <th></th> <th></th> <th></th>	1752.5			
5	QPSK	1	0	19.50	19.56	19.54			
5	QPSK	1	12	19.37	19.53	19.57	21	0	
5	QPSK	1	24	19.46	19.54	19.52			
5	QPSK	12	0	19.48	19.49	19.53			
5	QPSK	12	7	19.33	19.47	19.49	21	0	
5	QPSK	12	13	19.28	19.44	19.34			
5	QPSK	25	0	19.41	19.54	19.43			
5	16QAM	1	0	19.50	19.53	19.50			
5	16QAM	1	12	19.47	19.53	19.53	21	0	
5	16QAM	1	24	19.17	19.52	19.51			
5	16QAM	12	0	19.28	19.47	19.57			
5	16QAM	12	7	19.39	19.38	19.41	21	0	
5	16QAM	12	13	19.40	19.43	19.35			
5	16QAM	25	0	19.24	19.49	19.32			
5	64QAM	1	0	19.41	19.45	19.39			
5	64QAM	1	12	19.44	19.49	19.35	21	0	
5	64QAM	1	24	19.16	19.54	19.35			
5	64QAM	12	0	19.30	19.43	19.32			
5	64QAM	12	7	19.44	19.42	19.52	21	0	
5	64QAM	12	13	19.51	19.33	19.28			
5	64QAM	25	0	19.39	19.37	19.43			
Channel									
Frequency (MHz)				19665 <th>20175<th>20385</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20175 <th>20385</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5</th><th></th><th></th><th></th></th>	1732.5 <th>1753.5</th> <th></th> <th></th> <th></th>	1753.5			
3	QPSK	1	0	19.46	19.52	19.53			
3	QPSK	1	8	19.41	19.54	19.50	21	0	
3	QPSK	1	14	19.44	19.49	19.51			
3	QPSK	8	0	19.37	19.49	19.53			
3	QPSK	8	4	19.33	19.45	19.44	21	0	
3	QPSK	8	7	19.39	19.42	19.29			
3	QPSK	15	0	19.37	19.47	19.47			
3	16QAM	1	0	19.51	19.46	19.48			
3	16QAM	1	8	19.50	19.55	19.52	21	0	
3	16QAM	1	14	19.20	19.52	19.41			
3	16QAM	8	0	19.29	19.54	19.56			
3	16QAM	8	4	19.48	19.28	19.45	21	0	
3	16QAM	8	7	19.37	19.43	19.38			
3	16QAM	15	0	19.28	19.49	19.40			
3	64QAM	1	0	19.43	19.52	19.39			
3	64QAM	1	8	19.46	19.49	19.38	21	0	
3	64QAM	1	14	19.17	19.46	19.38			
3	64QAM	8	0	19.22	19.46	19.38			
3	64QAM	8	4	19.34	19.44	19.56	21	0	
3	64QAM	8	7	19.31	19.37	19.46			
3	64QAM	15	0	19.29	19.43	19.36			
Channel									
Frequency (MHz)				19600 <th>20162.5<th>20322.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20162.5 <th>20322.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20322.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	19.51	19.55	19.45			
1.4	QPSK	1	3	19.43	19.43	19.57	21	0	
1.4	QPSK	1	5	19.40	19.44	19.37			
1.4	QPSK	3	0	19.48	19.55	19.45			
1.4	QPSK	3	1	19.37	19.54	19.48			
1.4	QPSK	3	3	19.47	19.54	19.42	21	0	
1.4	QPSK	6	0	19.41	19.56	19.54			
1.4	16QAM	1	0	19.34	19.56	19.44			
1.4	16QAM	1	3	19.29	19.40	19.36	21	0	
1.4	16QAM	1	5	19.40	19.50	19.45			
1.4	16QAM	3	0	19.47	19.50	19.38			
1.4	16QAM	3	1	19.53	19.57	19.49			
1.4	16QAM	3	3	19.24	19.49	19.46	21	0	
1.4	16QAM	6	0	19.25	19.42	19.58			
1.4	16QAM	1	0	19.47	19.36	19.36			
1.4	64QAM	1	3	19.38	19.45	19.31			
1.4	64QAM	1	5	19.20	19.46	19.31	21	0	
1.4	64QAM	3	0	19.42	19.52	19.42			
1.4	64QAM	3	1	19.50	19.50	19.42			
1.4	64QAM	3	3	19.14	19.51	19.37			
1.4	64QAM	6	0	19.13	19.44	19.37	21	0	

Band 12 ECI6 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.70	22.72	22.71			
10	QPSK	1	25	22.55	22.66	22.49	23	1	
10	QPSK	1	49	22.65	22.67	22.62			
10	QPSK	25	0	21.59	21.82	21.68			
10	QPSK	25	12	21.53	21.54	21.58	23	1	
10	QPSK	25	25	21.71	21.73	21.55			
10	QPSK	50	0	21.49	21.69	21.54			
10	16QAM	1	0	21.82	22.02	22.01	23	1	
10	16QAM	1	25	21.64	21.76	21.76			
10	16QAM	1	49	21.74	21.91	21.88			
10	16QAM	25	0	20.64	20.88	20.71	22	2	
10	16QAM	25	12	20.60	20.60	20.69			
10	16QAM	25	25	20.59	20.71	20.45			
10	16QAM	50	0	20.58	20.66	20.42	22	2	
10	64QAM	1	0	20.70	20.98	20.95			
10	64QAM	1	25	20.53	20.68	20.84	21	3	
10	64QAM	1	49	20.66	20.85	20.80			
10	64QAM	25	0	19.65	19.88	19.69			
10	64QAM	25	12	19.56	19.64	19.64	21	3	
10	64QAM	25	25	19.51	19.77	19.56			
10	64QAM	50	0	19.47	19.60	19.33			
Channel				23035	23095	23155	24	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.51	22.68	22.51			
5	QPSK	1	12	22.53	22.46	22.29	23	1	
5	QPSK	1	24	22.49	22.50	22.46			
5	QPSK	12	0	21.35	21.71	21.51			
5	QPSK	12	7	21.45	21.37	21.36	23	1	
5	QPSK	12	13	21.65	21.72	21.51			
5	QPSK	25	0	21.41	21.60	21.37			
5	16QAM	1	0	21.73	21.87	21.98	23	1	
5	16QAM	1	12	21.54	21.76	21.57			
5	16QAM	1	24	21.71	21.76	21.85			
5	16QAM	12	0	20.61	20.85	20.51	22	2	
5	16QAM	12	7	20.56	20.40	20.62			
5	16QAM	12	13	20.53	20.55	20.39			
5	16QAM	25	0	20.37	20.52	20.19	22	2	
5	64QAM	1	0	20.45	20.85	20.79			
5	64QAM	1	12	20.48	20.60	20.75			
5	64QAM	1	24	20.63	20.73	20.79	21	3	
5	64QAM	12	0	19.43	19.83	19.54			
5	64QAM	12	7	19.51	19.46	19.46			
5	64QAM	12	13	19.39	19.58	19.36	21	3	
5	64QAM	25	0	19.34	19.39	19.36			
Channel				23025	23095	23165	24	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.57	22.64	22.60			
3	QPSK	1	8	22.48	22.45	22.34	23	1	
3	QPSK	1	14	22.52	22.49	22.49			
3	QPSK	8	0	21.39	21.79	21.65			
3	QPSK	8	4	21.50	21.31	21.54	23	1	
3	QPSK	8	7	21.67	21.54	21.53			
3	QPSK	15	0	21.29	21.53	21.30			
3	16QAM	1	0	21.66	21.79	21.95	23	1	
3	16QAM	1	8	21.47	21.76	21.58			
3	16QAM	1	14	21.69	21.85	21.78			
3	16QAM	8	0	20.53	20.61	20.51	22	2	
3	16QAM	8	4	20.37	20.58	20.60			
3	16QAM	8	7	20.49	20.46	20.42			
3	16QAM	15	0	20.51	20.57	20.31	22	2	
3	64QAM	1	0	20.53	20.86	20.76			
3	64QAM	1	8	20.48	20.51	20.72			
3	64QAM	1	14	20.62	20.70	20.60	21	3	
3	64QAM	8	0	19.41	19.83	19.48			
3	64QAM	8	4	19.49	19.54	19.40			
3	64QAM	8	7	19.42	19.74	19.53	21	3	
3	64QAM	15	0	19.36	19.58	19.23			
Channel				23017	23095	23173	24	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.41	22.66	22.48			
1.4	QPSK	1	3	22.33	22.39	22.25	23	1	
1.4	QPSK	1	5	22.46	22.44	22.28			
1.4	QPSK	3	0	22.37	22.65	22.48			
1.4	QPSK	3	1	22.46	22.31	22.15	23	1	
1.4	QPSK	3	3	22.31	22.40	22.51			
1.4	QPSK	6	0	21.46	21.63	21.42			
1.4	16QAM	1	0	21.77	21.78	21.83	23	1	
1.4	16QAM	1	3	21.59	21.63	21.64			
1.4	16QAM	1	5	21.56	21.79	21.79			
1.4	16QAM	3	0	21.75	21.76	21.65	22	2	
1.4	16QAM	3	1	21.50	21.41	21.63			
1.4	16QAM	3	3	21.42	21.78	21.69			
1.4	16QAM	6	0	20.54	20.72	20.68	22	2	
1.4	64QAM	1	0	20.60	20.76	20.70			
1.4	64QAM	1	3	20.40	20.59	20.62			
1.4	64QAM	1	5	20.56	20.75	20.67	22	2	
1.4	64QAM	3	0	20.55	20.67	20.59			
1.4	64QAM	3	1	20.26	20.37	20.46			
1.4	64QAM	3	3	20.43	20.74	20.67	21	3	
1.4	64QAM	6	0	19.38	19.59	19.15			

Band 13 ECI6 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Medic/ Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230	23230		24	0	
Frequency (MHz)				782	782				
10	QPSK	1	0		22.75				
10	QPSK	1	25		22.70		23 <th colspan="2" rowspan="3">1</th>	1	
10	QPSK	1	49		22.73				
10	QPSK	25	0		21.57				
10	QPSK	25	12		21.51		23 <th colspan="2" rowspan="3">1</th>	1	
10	QPSK	25	25		21.54				
10	QPSK	50	0		21.76				
10	16QAM	1	0		21.93		23 <th colspan="2" rowspan="3">1</th>	1	
10	16QAM	1	25		21.83				
10	16QAM	1	49		21.89				
10	16QAM	25	0		20.59		22 <th colspan="2" rowspan="3">2</th>	2	
10	16QAM	25	12		20.41				
10	16QAM	25	25		20.53				
10	16QAM	50	0		20.73		22 <th colspan="2" rowspan="2">2</th>	2	
10	64QAM	1	0		20.87				
10	64QAM	1	25		20.61		21 <th colspan="2" rowspan="3">3</th>	3	
10	64QAM	1	49		20.70				
10	64QAM	25	0		19.59				
10	64QAM	25	12		19.63		21 <th colspan="2" rowspan="3">3</th>	3	
10	64QAM	25	25		19.56				
10	64QAM	50	0		19.72				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	24	0	
5	QPSK	1	0	22.64	22.73	22.72			
5	QPSK	1	12	22.68	22.62	22.63			
5	QPSK	1	24	22.74	22.74	22.67	23 <th colspan="2" rowspan="3">1</th>	1	
5	QPSK	12	0	21.54	21.57	21.42			
5	QPSK	12	7	21.50	21.46	21.35			
5	QPSK	12	13	21.51	21.34	21.47	23 <th colspan="2" rowspan="3">1</th>	1	
5	QPSK	25	0	21.76	21.56	21.59			
5	16QAM	1	0	21.87	21.85	21.82			
5	16QAM	1	12	21.69	21.76	21.85	22 <th colspan="2" rowspan="3">2</th>	2	
5	16QAM	1	24	21.89	21.88	21.81			
5	16QAM	12	0	20.51	20.42	20.58			
5	16QAM	12	7	20.38	20.40	20.21	22 <th colspan="2" rowspan="3">2</th>	2	
5	16QAM	12	13	20.47	20.39	20.37			
5	16QAM	25	0	20.72	20.63	20.53			
5	64QAM	1	0	20.73	20.71	20.70	22 <th colspan="2" rowspan="3">2</th>	2	
5	64QAM	1	12	20.41	20.62	20.63			
5	64QAM	1	24	20.81	20.80	20.62			
5	84QAM	12	0	19.46	19.55	19.56	21 <th colspan="2" rowspan="3">3</th>	3	
5	84QAM	12	7	19.51	19.45	19.59			
5	84QAM	12	13	19.47	19.51	19.42			
5	64QAM	25	0	19.58	19.53	19.66			

Band 17 ECI6 Ant0									
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				23780	23790	23800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.60	22.69	22.64	24	0	
10	QPSK	1	25	22.48	22.64	22.53			
10	QPSK	1	49	22.49	22.58	22.45			
10	QPSK	25	0	21.70	21.89	21.85			
10	QPSK	25	12	21.72	21.82	21.79	23	1	
10	QPSK	25	25	21.61	21.79	21.60			
10	QPSK	50	0	21.68	21.89	21.82			
10	16QAM	1	0	21.86	21.97	21.80			
10	16QAM	1	25	21.69	21.72	21.73	23	1	
10	16QAM	1	49	21.75	21.70	21.71			
10	16QAM	25	0	20.64	20.93	20.93			
10	16QAM	25	12	20.74	20.73	20.82			
10	16QAM	25	25	20.69	20.89	20.68	22	2	
10	16QAM	50	0	20.78	20.90	20.86			
10	64QAM	1	0	20.90	20.96	20.89			
10	64QAM	1	25	20.80	20.75	20.64			
10	64QAM	1	49	20.84	20.82	20.68	22	2	
10	64QAM	25	0	19.88	19.95	19.98			
10	64QAM	25	12	19.91	19.84	19.58			
10	64QAM	25	25	19.77	19.93	19.59			
10	64QAM	50	0	19.89	19.87	19.74	21	3	
Channel				23755	23790	23825		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.48	22.61	22.64	24	0	
5	QPSK	1	12	22.31	22.49	22.50			
5	QPSK	1	24	22.27	22.39	22.37			
5	QPSK	12	0	21.52	21.86	21.64			
5	QPSK	12	7	21.51	21.80	21.68	23	1	
5	QPSK	12	13	21.40	21.76	21.60			
5	QPSK	25	0	21.70	21.83	21.65			
5	16QAM	1	0	21.77	21.86	21.75			
5	16QAM	1	12	21.64	21.70	21.53	23	1	
5	16QAM	1	24	21.60	21.69	21.61			
5	16QAM	12	0	20.43	20.87	20.91			
5	16QAM	12	7	20.76	20.54	20.76			
5	16QAM	12	13	20.71	20.80	20.54	22	2	
5	16QAM	25	0	20.77	20.81	20.79			
5	64QAM	1	0	20.74	20.90	20.81			
5	64QAM	1	12	20.60	20.70	20.65			
5	64QAM	1	24	20.83	20.64	20.66	22	2	
5	64QAM	12	0	19.70	19.67	19.94			
5	64QAM	12	7	19.78	19.85	19.56			
5	64QAM	12	13	19.63	19.85	19.58			
5	64QAM	25	0	19.75	19.80	19.62	21	3	

Band 25 ECI6 Ant0									
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				26140	26340	26590	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1905			
20	QPSK	1	0	17.12	17.36	17.25	18.5	0	
20	QPSK	1	49	17.09	17.23	17.30			
20	QPSK	1	99	17.11	17.30	17.15			
20	QPSK	50	0	17.13	17.34	17.29			
20	QPSK	50	24	17.22	17.18	17.23	18.5	0	
20	QPSK	50	50	17.09	17.18	17.20			
20	QPSK	100	0	17.02	17.31	17.26			
20	16QAM	1	0	17.32	17.35	17.34			
20	16QAM	1	49	17.32	17.35	17.33	18.5	0	
20	16QAM	1	99	17.20	17.30	17.24			
20	16QAM	50	0	17.08	17.34	17.23			
20	16QAM	50	24	17.04	17.30	17.19			
20	16QAM	50	50	16.99	17.07	17.31	18.5	0	
20	16QAM	100	0	17.00	17.34	17.14			
20	64QAM	1	0	17.15	17.14	17.25			
20	64QAM	1	49	16.99	17.17	17.20			
20	64QAM	1	99	16.91	17.07	17.04	18.5	0	
20	64QAM	50	0	17.04	17.32	17.30			
20	64QAM	50	24	17.25	17.35	17.14			
20	64QAM	50	50	16.98	17.07	17.24			
20	64QAM	100	0	17.00	17.30	17.13	18.5	0	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.03	17.34	17.22	18.5	0	
15	QPSK	1	37	17.08	17.15	17.27			
15	QPSK	1	74	17.02	17.26	17.15			
15	QPSK	36	0	17.08	17.32	17.20			
15	QPSK	36	20	17.21	17.20	17.24	18.5	0	
15	QPSK	36	39	17.02	17.20	17.21			
15	QPSK	75	0	17.05	17.21	17.28			
15	16QAM	1	0	17.33	17.27	17.28			
15	16QAM	1	37	17.22	17.32	17.35	18.5	0	
15	16QAM	1	74	17.14	17.22	17.22			
15	16QAM	36	0	17.07	17.31	17.14			
15	16QAM	36	20	16.97	17.27	17.15			
15	16QAM	36	39	16.91	17.01	17.21	18.5	0	
15	16QAM	75	0	16.95	17.27	17.07			
15	64QAM	1	0	17.09	17.07	17.23			
15	64QAM	1	37	16.93	17.13	17.10			
15	64QAM	1	74	16.87	17.02	16.98	18.5	0	
15	64QAM	36	0	17.04	17.23	17.22			
15	64QAM	36	20	17.16	17.32	17.18			
15	64QAM	36	39	16.94	16.99	17.04			
15	64QAM	75	0	16.96	17.31	17.08	18.5	0	
Channel				26090	26340	26640			
Frequency (MHz)				1855	1880	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.03	17.34	17.21	18.5	0	
10	QPSK	1	25	17.01	17.25	17.32			
10	QPSK	1	49	17.07	17.22	17.07			
10	QPSK	25	0	17.17	17.33	17.30			
10	QPSK	25	12	17.15	17.13	17.22	18.5	0	
10	QPSK	25	25	16.99	17.18	17.12			
10	QPSK	50	0	17.05	17.29	17.24			
10	16QAM	1	0	17.23	17.30	17.29			
10	16QAM	1	25	17.34	17.29	17.25	18.5	0	
10	16QAM	1	49	17.19	17.26	17.21			
10	16QAM	25	0	17.12	17.17	17.14			
10	16QAM	25	12	16.99	17.27	17.21			
10	16QAM	25	25	17.01	17.08	17.33	18.5	0	
10	16QAM	50	0	17.01	17.17	17.16			
10	64QAM	1	25	17.02	17.09	17.15			
10	64QAM	1	49	16.81	16.97	16.98			
10	64QAM	25	0	17.01	17.23	17.21	18.5	0	
10	64QAM	25	12	17.17	17.27	17.18			
10	64QAM	25	25	16.89	17.01	17.14			
10	64QAM	50	0	16.96	17.30	17.03			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	17.10	17.30	17.17	18.5	0	
5	QPSK	1	12	17.05	17.17	17.22			
5	QPSK	1	24	17.15	17.31	17.11			
5	QPSK	12	0	17.14	17.26	17.20			
5	QPSK	12	7	17.19	17.14	17.15	18.5	0	
5	QPSK	12	13	17.03	17.12	17.22			
5	QPSK	25	0	16.94	17.35	17.21			
5	16QAM	1	0	17.24	17.30	17.26			
5	16QAM	1	12	17.29	17.27	17.30	18.5	0	
5	16QAM	1	24	17.22	17.32	17.24			
5	16QAM	12	0	17.11	17.35	17.21			
5	16QAM	12	7	16.97	17.26	17.11			
5	16QAM	12	13	16.98	17.01	17.31	18.5	0	
5	16QAM	25	0	16.92	17.29	17.14			
5	64QAM	1	0	17.14	17.10	17.27			
5	64QAM	1	12	17.02	17.13	17.22			
5	64QAM	1	24	16.94	17.08	16.98	18.5	0	
5	64QAM	12	0	17.07	17.26	17.20			
5	64QAM	12	7	17.18	17.35	17.10			
5	64QAM	12	13	17.01	16.98	17.20			
5	64QAM	25	0	16.96	17.34	17.09	18.5	0	
Channel				26055	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	17.10	17.32	17.22	18.5	0	
3	QPSK	1	8	17.12	17.27	17.25			
3	QPSK	1	14	17.06	17.31	17.09			
3	QPSK	8	0	17.10	17.36	17.27			
3	QPSK	8	4	17.20	17.12	17.14	18.5	0	
3	QPSK	8	7	16.99	17.15	17.24			
3	QPSK	15	0	17.02	17.25	17.23			
3	16QAM	1	0	17.16	17.31	17.26			
3	16QAM	1	8	17.25	17.35	17.34	18.5	0	
3	16QAM	1	14	17.16	17.26	17.26			
3	16QAM	8	0	17.11	17.27	17.15			
3	16QAM	8	4	16.97	17.33	17.17			
3	16QAM	8	7	16.92	16.98	17.30	18.5	0	
3	16QAM	15	0	16.91	17.28	17.07			
3	64QAM	1	0	17.11	17.16	17.25			
3	64QAM	1	8	17.01	17.17	17.15			
3	64QAM	1	14	16.89	16.98	17.07	18.5	0	
3	64QAM	8	0	17.03	17.31	17.33			
3	64QAM	8	4	17.28	17.27	17.07			
3	64QAM	8	7	16.94	17.01	17.22			
3	64QAM	15	0	16.90	17.27	17.14	18.5	0	
Channel				26047	26340	26683			
Frequency (MHz)				1850.7	1880	1914.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	17.07	17.31	17.26	18.5	0	
1.4	QPSK	1	3	17.00	17.22	17.25			
1.4	QPSK	1	5	17.13	17.21	17.13			
1.4	QPSK	3	0	17.09	17.33	17.19			
1.4	QPSK	3	1	17.24	17.18	17.14	18.5	0	
1.4	QPSK	3	3	17.09	17.09	17.21			
1.4	QPSK	6	0	17.05	17.26	17.23			
1.4	16QAM	1	0	17.34	17.34	17.25			
1.4	16QAM	1	3	17.26	17.21	17.27	18.5	0	
1.4	16QAM	1	5	17.20	17.34	17.20			
1.4	16QAM	3	0	17.01	17.28	17.21			
1.4	16QAM	3	1	17.00	17.20	17.12			
1.4	16QAM	3	3	17.03	17.03	17.31	18.5	0	
1.4	16QAM	6	0	17.03	17.27	17.17			
1.4	64QAM	1	0	17.05	17.10	17.20			
1.4	64QAM	1	3	16.97	17.10	17.21			
1.4	64QAM	1	5	16.86	17.05	17.07	18.5	0	
1.4	64QAM	3	0	16.99	17.27	17.22			
1.4	64QAM	3	1	17.16	17.34	17.15			
1.4	64QAM	3	3	16.99	17.02	17.16			
1.4	64QAM	6	0	16.95	17.21	17.05	18.5	0	

Band 66 ECI6 Ant0									
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				132072	132322	132572	1720		
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.52	19.61	19.58	21	0	
20	QPSK	1	49	19.41	19.51	19.46			
20	QPSK	1	99	19.33	19.43	19.32			
20	QPSK	50	0	19.49	19.57	19.54			
20	QPSK	50	24	19.46	19.50	19.27	21	0	
20	QPSK	50	50	19.35	19.43	19.24			
20	QPSK	100	0	19.45	19.55	19.43			
20	16QAM	1	0	19.37	19.55	19.50			
20	16QAM	1	49	19.45	19.30	19.35	21	0	
20	16QAM	1	99	19.41	19.36	19.31			
20	16QAM	50	0	19.57	19.60	19.54			
20	16QAM	50	24	19.58	19.51	19.43			
20	16QAM	50	50	19.48	19.58	19.48	21	0	
20	16QAM	100	0	19.33	19.55	19.39			
20	64QAM	1	0	19.59	19.60	19.57			
20	64QAM	1	49	19.54	19.60	19.43			
20	64QAM	1	99	19.31	19.39	19.52	21	0	
20	64QAM	50	0	19.53	19.57	19.52			
20	64QAM	50	24	19.53	19.55	19.41			
20	64QAM	50	50	19.58	19.50	19.53			
20	64QAM	100	0	19.54	19.57	19.55	132047	132322	132597
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.56	19.57	19.58	21	0	
15	QPSK	1	37	19.41	19.55	19.50			
15	QPSK	1	74	19.32	19.49	19.25			
15	QPSK	36	0	19.54	19.52	19.51			
15	QPSK	36	20	19.45	19.55	19.22	21	0	
15	QPSK	36	39	19.39	19.38	19.28			
15	QPSK	75	0	19.44	19.60	19.40			
15	16QAM	1	0	19.41	19.55	19.47			
15	16QAM	1	37	19.43	19.56	19.37	21	0	
15	16QAM	1	74	19.35	19.36	19.31			
15	16QAM	36	0	19.54	19.56	19.47			
15	16QAM	36	20	19.60	19.50	19.47			
15	16QAM	36	39	19.47	19.51	19.46	21	0	
15	16QAM	75	0	19.38	19.59	19.35			
15	64QAM	1	0	19.56	19.57	19.53			
15	64QAM	1	37	19.53	19.55	19.41			
15	64QAM	1	74	19.34	19.37	19.51	21	0	
15	64QAM	36	0	19.51	19.55	19.49			
15	64QAM	36	20	19.43	19.60	19.34			
15	64QAM	36	39	19.50	19.52	19.51			
15	64QAM	75	0	19.54	19.38	19.55	132022	132322	132622
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	19.48	19.59	19.58	21	0	
10	QPSK	1	25	19.45	19.49	19.43			
10	QPSK	1	49	19.35	19.42	19.31			
10	QPSK	25	0	19.50	19.54	19.46			
10	QPSK	25	12	19.48	19.44	19.25	21	0	
10	QPSK	25	25	19.39	19.41	19.23			
10	QPSK	50	0	19.49	19.53	19.41			
10	16QAM	1	0	19.30	19.57	19.51			
10	16QAM	1	25	19.37	19.56	19.30	21	0	
10	16QAM	1	49	19.41	19.26	19.34			
10	16QAM	25	0	19.53	19.52	19.47			
10	16QAM	25	12	19.50	19.46	19.47			
10	16QAM	25	25	19.44	19.59	19.47	21	0	
10	16QAM	50	0	19.29	19.47	19.38			
10	64QAM	1	0	19.54	19.57	19.50			
10	64QAM	1	25	19.50	19.52	19.34			
10	64QAM	1	49	19.22	19.33	19.50	21	0	
10	64QAM	25	0	19.53	19.54	19.43			
10	64QAM	25	12	19.54	19.54	19.20			
10	64QAM	25	25	19.53	19.30	19.48			
10	64QAM	50	0	19.34	19.52	19.34	131997	132322	132647
Channel				131997	132322	132647	1712.5	1745	1777.5
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.52	19.56	19.51	21	0	
5	QPSK	1	12	19.43	19.51	19.40			
5	QPSK	1	24	19.33	19.53	19.28			
5	QPSK	12	0	19.41	19.60	19.55			
5	QPSK	12	7	19.36	19.45	19.23	21	0	
5	QPSK	12	13	19.28	19.35	19.23			
5	QPSK	25	0	19.43	19.50	19.33			
5	16QAM	1	0	19.36	19.56	19.54			
5	16QAM	1	12	19.49	19.53	19.35	21	0	
5	16QAM	1	24	19.32	19.36	19.34			
5	16QAM	12	0	19.60	19.55	19.48			
5	16QAM	12	7	19.55	19.49	19.36			
5	16QAM	12	13	19.40	19.57	19.39	21	0	
5	16QAM	25	0	19.31	19.47	19.31			
5	64QAM	1	0	19.52	19.58	19.53			
5	64QAM	1	12	19.51	19.51	19.33			
5	64QAM	1	24	19.26	19.30	19.52	21	0	
5	64QAM	12	0	19.57	19.45	19.40			
5	64QAM	12	7	19.44	19.60	19.52			
5	64QAM	12	13	19.58	19.35	19.42			
5	64QAM	25	0	19.37	19.37	19.34	131987	132322	132657
Channel				131987	132322	132657	1711.5	1745	1778.5
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	19.43	19.56	19.55	21	0	
3	QPSK	1	8	19.43	19.51	19.38			
3	QPSK	1	14	19.28	19.47	19.31			
3	QPSK	8	0	19.48	19.49	19.54			
3	QPSK	8	4	19.44	19.50	19.29	21	0	
3	QPSK	8	7	19.27	19.37	19.24			
3	QPSK	15	0	19.48	19.52	19.46			
3	16QAM	1	0	19.32	19.50	19.51			
3	16QAM	1	8	19.37	19.53	19.36	21	0	
3	16QAM	1	14	19.36	19.27	19.30			
3	16QAM	8	0	19.50	19.60	19.45			
3	16QAM	8	4	19.51	19.52	19.38			
3	16QAM	8	7	19.51	19.48	19.42	21	0	
3	16QAM	15	0	19.27	19.48	19.39			
3	64QAM	1	0	19.51	19.51	19.52			
3	64QAM	1	8	19.57	19.60	19.43			
3	64QAM	1	14	19.25	19.35	19.46	21	0	
3	64QAM	8	0	19.46	19.47	19.35			
3	64QAM	8	4	19.50	19.56	19.32			
3	64QAM	8	7	19.54	19.51	19.33			
3	64QAM	15	0	19.39	19.55	19.38	131973	132322	132665
Channel				131973	132322	132665	1710.7	1745	1779.2
Frequency (MHz)				1710.7	1745	1779.2			
1.4	QPSK	1	0	19.45	19.55	19.51	21	0	
1.4	QPSK	1	3	19.40	19.54	19.40			
1.4	QPSK	1	5	19.26	19.46	19.23			
1.4	QPSK	3	0	19.44	19.52	19.48			
1.4	QPSK	3	1	19.35	19.42	19.49	21	0	
1.4	QPSK	3	3	19.29	19.48	19.30			
1.4	QPSK	6	0	19.44	19.47	19.49			
1.4	16QAM	1	0	19.47	19.52	19.28			
1.4	16QAM	1	3	19.39	19.36	19.28	21	0	
1.4	16QAM	1	5	19.40	19.47	19.36			
1.4	16QAM	3	0	19.36	19.52	19.43			
1.4	16QAM	3	1	19.48	19.52	19.48	21	0	
1.4	16QAM	3	3	19.37	19.39	19.32			
1.4	16QAM	6	0	19.60	19.54	19.49			
1.4	64QAM	1	0	19.54	19.43	19.35			
1.4	64QAM	1	3	19.50	19.54	19.37	21	0	
1.4	64QAM	1	5	19.25	19.56	19.37			
1.4	64QAM	3	0	19.58	19.54	19.53			
1.4	64QAM	3	1	19.55	19.56	19.43			
1.4	64QAM	3	3	19.25	19.39	19.42	21	0	
1.4	64QAM	6	0	19.52	19.55	19.50			

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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				20850	21100	21350	20.5	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.85	19.06	18.60		
20	QPSK	1	49	18.91	19.02	18.62	20.5	0
20	QPSK	1	99	18.80	19.04	18.63		
20	QPSK	50	0	18.89	19.02	18.74		
20	QPSK	50	24	18.72	19.01	18.56	20.5	0
20	QPSK	50	50	18.78	18.92	18.87		
20	QPSK	100	0	18.76	18.95	18.82		
20	16QAM	1	0	18.92	19.01	19.00	20.5	0
20	16QAM	1	49	19.00	19.01	18.97		
20	16QAM	1	99	18.94	19.02	18.94		
20	16QAM	50	0	19.05	18.97	18.79	20.5	0
20	16QAM	50	24	18.68	19.04	18.66		
20	16QAM	50	50	18.76	18.86	18.74		
20	16QAM	100	0	18.97	18.89	18.68	20.5	0
20	64QAM	1	0	19.05	19.05	19.02		
20	64QAM	1	49	19.00	19.04	18.91		
20	64QAM	1	99	18.99	18.97	18.90	20.5	0
20	64QAM	50	0	19.01	18.92	18.74		
20	64QAM	50	24	18.84	18.87	18.62		
20	64QAM	50	50	18.86	18.83	18.80	20.5	0
20	64QAM	100	0	18.93	18.95	18.63		
Channel				20825	21100	21375	20.5	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.86	19.04	18.60		
15	QPSK	1	37	18.91	19.05	18.56	20.5	0
15	QPSK	1	74	18.76	19.01	18.59		
15	QPSK	36	0	18.91	19.00	18.66		
15	QPSK	36	20	18.68	18.99	18.60	20.5	0
15	QPSK	36	39	18.76	18.93	18.84		
15	QPSK	75	0	18.74	18.89	18.87		
15	16QAM	1	0	18.92	19.04	18.94	20.5	0
15	16QAM	1	37	18.93	19.03	18.92		
15	16QAM	1	74	18.90	18.95	18.88		
15	16QAM	36	0	18.98	18.97	18.78	20.5	0
15	16QAM	36	20	18.66	19.04	18.66		
15	16QAM	36	39	18.70	18.79	18.78		
15	16QAM	75	0	18.91	18.91	18.62	20.5	0
15	64QAM	1	0	19.01	19.01	19.00		
15	64QAM	1	37	18.98	18.99	18.93		
15	64QAM	1	74	19.04	18.99	18.85	20.5	0
15	64QAM	36	0	19.03	18.95	18.78		
15	64QAM	36	20	18.85	18.92	18.65		
15	64QAM	36	39	18.87	18.79	18.73	20.5	0
15	64QAM	75	0	18.89	18.97	18.64		
Channel				20800	21100	21400	20.5	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.79	19.04	18.61		
10	QPSK	1	25	18.88	19.05	18.66	20.5	0
10	QPSK	1	49	18.73	19.02	18.57		
10	QPSK	25	0	18.89	18.95	18.80		
10	QPSK	25	12	18.70	18.95	18.57	20.5	0
10	QPSK	25	25	18.74	18.91	18.80		
10	QPSK	50	0	18.73	18.89	18.75		
10	16QAM	1	0	18.97	19.04	18.92	20.5	0
10	16QAM	1	25	19.00	19.02	18.96		
10	16QAM	1	49	18.90	19.05	18.95		
10	16QAM	25	0	19.03	19.02	18.76	20.5	0
10	16QAM	25	12	18.65	19.00	18.61		
10	16QAM	25	25	18.79	18.80	18.74		
10	16QAM	50	0	19.01	18.89	18.70	20.5	0
10	64QAM	1	0	18.95	18.98	18.96		
10	64QAM	1	25	18.97	19.00	18.94		
10	64QAM	1	49	18.99	19.02	18.90	20.5	0
10	64QAM	25	0	19.01	18.92	18.74		
10	64QAM	25	12	18.88	18.92	18.55		
10	64QAM	25	25	18.91	18.86	18.86	20.5	0
10	64QAM	50	0	18.93	18.93	18.59		
Channel				20775	21100	21425	20.5	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.86	19.02	18.62		
5	QPSK	1	12	18.90	19.05	18.56	20.5	0
5	QPSK	1	24	18.78	19.02	18.57		
5	QPSK	12	0	18.92	18.96	18.75		
5	QPSK	12	7	18.74	18.94	18.78	20.5	0
5	QPSK	12	13	18.71	18.96	18.67		
5	QPSK	25	0	18.82	18.94	18.79		
5	16QAM	1	0	18.97	19.00	19.00	20.5	0
5	16QAM	1	12	18.97	18.95	18.94		
5	16QAM	1	24	18.97	18.98	18.92		
5	16QAM	12	0	19.00	19.90	18.80	20.5	0
5	16QAM	12	7	18.62	19.02	18.68		
5	16QAM	12	13	18.76	18.79	18.73		
5	16QAM	25	0	18.92	18.92	18.73	20.5	0
5	64QAM	1	0	19.00	19.01	19.01		
5	64QAM	1	12	18.97	19.00	18.88		
5	64QAM	1	24	19.02	19.02	18.85	20.5	0
5	64QAM	12	0	18.97	18.89	18.76		
5	64QAM	12	7	18.85	18.90	18.54		
5	64QAM	12	13	18.86	18.80	18.77	20.5	0
5	64QAM	25	0	18.97	18.95	18.64		

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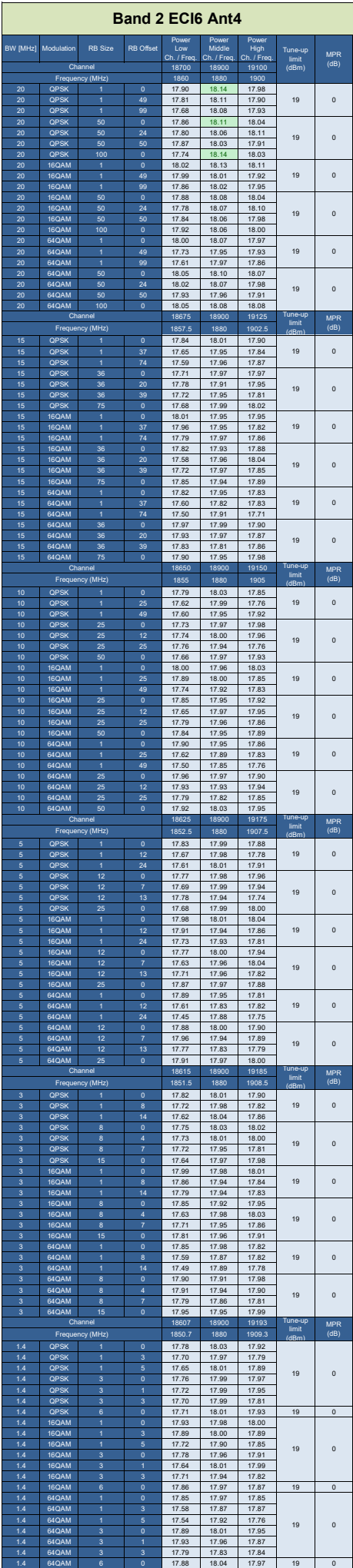
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710			22.5	0
Frequency (MHz)				2310				
10	QPSK	1	0		21.04			
10	QPSK	1	25		21.01		22.5	0
10	QPSK	1	49		20.99			
10	QPSK	25	0		21.02			
10	QPSK	25	12		20.97		22.5	0
10	QPSK	25	25		20.81			
10	QPSK	50	0		20.93			
10	16QAM	1	0		20.94		22.5	0
10	16QAM	1	25		21.00			
10	16QAM	1	49		20.98			
10	16QAM	25	0		20.51		22	0.5
10	16QAM	25	12		20.36			
10	16QAM	25	25		20.38			
10	16QAM	50	0		20.39		22	0.5
10	64QAM	1	0		20.65			
10	64QAM	1	25		20.59			
10	64QAM	1	49		20.52		21	1.5
10	64QAM	25	0		19.49			
10	64QAM	25	12		19.44			
10	64QAM	25	25		19.42		21	1.5
10	64QAM	50	0		19.42			
Channel				27685	27710	27735	22.5	0
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.96	21.03	20.88		
5	QPSK	1	12	21.01	20.93	20.93	22.5	0
5	QPSK	1	24	20.87	20.89	20.88		
5	QPSK	12	0	20.88	21.01	20.94		
5	QPSK	12	7	20.87	20.86	20.94	22.5	0
5	QPSK	12	13	20.79	20.59	20.75		
5	QPSK	25	0	20.89	20.83	20.72		
5	16QAM	1	0	21.03	21.03	21.02	22.5	0
5	16QAM	1	12	21.00	21.01	21.00		
5	16QAM	1	24	20.94	20.96	21.00		
5	16QAM	12	0	20.50	20.39	20.50	22	0.5
5	16QAM	12	7	20.36	20.38	20.24		
5	16QAM	12	13	20.35	20.22	20.18		
5	16QAM	25	0	20.22	20.25	20.32	22	0.5
5	64QAM	1	0	20.52	20.55	20.54		
5	64QAM	1	12	20.59	20.59	20.53		
5	64QAM	1	24	20.52	20.39	20.44	21	1.5
5	64QAM	12	0	19.33	19.30	19.33		
5	64QAM	12	7	19.39	19.22	19.37		
5	64QAM	12	13	19.33	19.29	19.25	21	1.5
5	64QAM	25	0	19.36	19.20	19.37		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37950	38050	38150					
20	QPSK	1	0	20.38	20.53	20.78	22.5	0			
20	QPSK	1	48	20.34	20.78	20.77					
20	QPSK	1	88	20.76	20.78	20.79					
20	QPSK	50	0	20.71	20.54	20.72	22.5	0			
20	QPSK	50	24	20.67	20.81	20.53					
20	QPSK	50	50	20.65	20.59	20.78					
20	QPSK	100	0	20.71	20.54	20.73	22.5	0			
20	QPSK	1	0	20.57	20.85	20.58					
20	QPSK	1	48	20.57	20.80	20.69					
20	QPSK	1	96	20.87	20.57	20.54	22	0			
20	QPSK	50	24	20.54	20.59	20.41					
20	QPSK	50	50	20.52	20.59	20.36					
20	QPSK	100	0	20.52	20.57	20.47	22	0			
20	QPSK	1	0	20.37	20.47	20.35					
20	QPSK	1	96	20.35	20.37	20.40					
20	QPSK	50	0	19.18	19.48	19.15	21	1.5			
20	QPSK	50	24	19.46	19.49	19.48					
20	QPSK	50	50	19.36	19.32	19.28					
20	QPSK	100	0	19.31	19.46	19.43					
Channel											
Frequency (MHz)				37925	38050	38175					
15	QPSK	1	0	20.78	20.50	20.72	22.5	0			
15	QPSK	1	37	20.66	20.74	20.78					
15	QPSK	1	74	20.63	20.76	20.70					
15	QPSK	36	0	20.57	20.85	20.54	22.5	0			
15	QPSK	36	36	20.55	20.57	20.78					
15	QPSK	36	36	20.71	20.78	20.70					
15	QPSK	75	0	20.63	20.60	20.71	22.5	0			
15	QPSK	1	0	20.75	20.76	20.69					
15	QPSK	1	37	20.56	20.79	20.50					
15	QPSK	1	74	20.67	20.66	20.58	22	0.5			
15	QPSK	36	0	20.54	20.63	20.54					
15	QPSK	36	36	20.19	20.41	20.68					
15	QPSK	36	20	20.46	20.24	20.37	22	0.5			
15	QPSK	75	0	20.19	20.41	20.68					
15	QPSK	75	0	20.17	20.31	20.25					
15	QPSK	1	0	20.32	20.49	20.34	22	0.5			
15	QPSK	1	37	20.42	20.49	20.46					
15	QPSK	1	74	20.46	20.48	20.38					
15	QPSK	36	0	19.12	19.47	19.16	21	1.5			
15	QPSK	36	20	19.34	19.28	19.29					
15	QPSK	36	36	19.31	19.14	19.16					
15	QPSK	75	0	19.16	19.30	19.31					
Channel											
Frequency (MHz)				37900	38050	38200					
10	QPSK	1	0	20.89	20.82	20.74	22.5	0			
10	QPSK	1	25	20.77	20.83	20.77					
10	QPSK	1	48	20.84	20.82	20.78					
10	QPSK	25	0	20.86	20.82	20.76	22.5	0			
10	QPSK	25	12	20.78	20.75	20.67					
10	QPSK	25	25	20.79	20.64	20.66					
10	QPSK	50	0	20.74	20.85	20.60	22.5	0			
10	QPSK	1	0	20.52	20.78	20.51					
10	QPSK	1	25	20.52	20.76	20.66					
10	QPSK	1	48	20.87	20.54	20.57	22	0.5			
10	QPSK	25	0	20.13	20.49	20.22					
10	QPSK	25	12	20.51	20.38	20.40					
10	QPSK	25	25	20.51	20.11	20.17	22	0.5			
10	QPSK	50	0	20.16	20.49	20.38					
10	QPSK	50	0	20.34	20.50	20.20					
10	QPSK	1	25	20.27	20.47	20.50	22	0.5			
10	QPSK	1	48	20.58	20.35	20.31					
10	QPSK	1	96	20.36	20.38	20.40					
10	QPSK	25	12	19.32	19.30	19.38	21	1.5			
10	QPSK	25	25	19.17	19.18	19.23					
10	QPSK	50	0	19.31	19.41	19.43					
Channel											
Frequency (MHz)				37775	38050	38325					
5	QPSK	1	0	20.75	20.51	20.73	22.5	0			
5	QPSK	1	12	20.81	20.50	20.73					
5	QPSK	1	24	20.65	20.79	20.75					
5	QPSK	12	0	20.60	20.87	20.65	22.5	0			
5	QPSK	12	7	20.70	20.76	20.66					
5	QPSK	12	14	20.69	20.59	20.75					
5	QPSK	25	0	20.73	20.78	20.70	22.5	0			
5	QPSK	1	0	20.59	20.83	20.50					
5	QPSK	1	12	20.52	20.82	20.57					
5	QPSK	1	24	20.56	20.55	20.58	22	0.5			
5	QPSK	12	0	20.11	20.51	20.11					
5	QPSK	12	7	20.45	20.29	20.23					
5	QPSK	12	13	20.11	20.27	20.14	22	0.5			
5	QPSK	25	0	20.15	20.46	20.39					
5	QPSK	25	7	20.40	20.59	20.41					
5	QPSK	1	12	20.42	20.53	20.53	22	0.5			
5	QPSK	1	24	20.51	20.42	20.44					
5	QPSK	12	0	19.08	19.35	19.04					
5	QPSK	12	7	19.46	19.38	19.42	21	1.5			
5	QPSK	12	13	19.22	19.38	19.25					
5	QPSK	25	0	19.10	19.40	19.45					

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Mid High Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41065	41490		
20	QPSK	1	0	20.96	21.05	21.11	21.11	21.11	22.5	0
20	QPSK	1	48	20.79	20.80	21.10	20.93	20.83		
20	QPSK	1	96	20.76	20.80	20.89	20.80	20.72		
20	QPSK	50	0	20.94	21.00	21.09	21.09	21.09	22.5	0
20	QPSK	50	24	20.77	20.92	20.95	20.95	20.89		
20	QPSK	50	50	20.63	20.88	21.01	20.91	20.75		
20	QPSK	100	0	20.79	21.05	21.07	21.07	21.07	22.5	0
20	QPSK	1	0	20.86	21.05	21.10	21.07	20.89		
20	QPSK	1	48	20.75	21.06	21.03	20.88	20.82		
20	QPSK	1	96	20.84	20.93	21.02	20.93	20.86	22	0.5
20	QPSK	50	0	20.38	20.56	20.61	20.46	20.31		
20	QPSK	50	24	20.38	20.24	20.41	20.41	20.42		
20	QPSK	50	50	20.12	20.26	20.62	20.62	20.62	22	0.5
20	QPSK	100	0	20.44	20.45	20.55	20.42	20.38		
20	QPSK	1	0	20.37	20.40	20.55	20.52	20.50		
20	QPSK	1	48	20.19	20.36	20.63	20.63	20.63	22	0.5
20	QPSK	1	96	20.33	20.42	20.45	20.45	20.45		
20	QPSK	50	0	19.31	19.44	19.56	19.29	19.19	21	1.5
20	QPSK	50	24	19.35	19.36	19.30	19.34	19.33		
20	QPSK	50	50	19.16	19.34	19.50	19.31	19.17		
20	QPSK	100	0	19.42	19.43	19.51	19.33	19.34		
Channel				38725	40173	40620	41065	41515		
Frequency (MHz)				20.93	21.04	21.11	21.12	21.13		
15	QPSK	1	0	20.93	20.96	21.05	21.05	21.05	23	0
15	QPSK	1	37	20.74	20.82	21.08	21.02	20.82		
15	QPSK	1	74	20.73	20.86	20.98	20.87	20.72		
15	QPSK	36	0	20.82	20.91	21.07	21.07	21.07	22.5	0
15	QPSK	36	20	20.70	20.81	20.88	20.81	20.80		
15	QPSK	36	39	20.73	20.87	21.06	20.79	20.69		
15	QPSK	100	0	20.88	20.89	20.98	20.88	20.87	22.5	0
15	QPSK	1	0	20.78	20.94	21.05	20.96	20.73		
15	QPSK	1	37	20.78	20.94	21.05	20.96	20.73		
15	QPSK	36	0	20.35	20.56	20.55	20.47	20.27	22	0.5
15	QPSK	36	20	20.35	20.26	20.50	20.50	20.43		
15	QPSK	36	39	20.26	20.19	20.45	20.34	20.15		
15	QPSK	100	0	20.43	20.40	20.59	20.41	20.38	22	0.5
15	QPSK	1	0	20.43	20.40	20.59	20.41	20.38		
15	QPSK	1	37	20.23	20.24	20.41	20.31	20.19		
15	QPSK	1	74	20.23	20.44	20.61	20.51	20.23	22	0.5
15	QPSK	36	0	20.32	20.44	20.63	20.51	20.19		
15	QPSK	36	20	20.29	20.32	20.31	20.31	20.29		
15	QPSK	36	39	20.16	19.34	19.53	19.35	19.16	21	1.5
15	QPSK	36	50	19.35	19.39	19.39	19.39	19.29		
15	QPSK	100	0	19.40	19.40	19.40	19.40	19.40		
Channel				38700	40160	40620	41065	41540		
Frequency (MHz)				20.93	21.04	21.11	21.12	21.13		
10	QPSK	1	0	20.93	20.96	21.04	21.02	21.01	23	0
10	QPSK	1	25	20.75	20.82	21.03	21.03	21.04		
10	QPSK	40	0	20.63	20.69	20.99	20.83	20.76		
10	QPSK	25	0	20.82	20.91	21.06	21.06	21.06	22.5	0
10	QPSK	25	12	20.77	20.77	20.80	20.83	20.82		
10	QPSK	25	25	20.72	20.72	20.75	20.75	20.75		
10	QPSK	50	0	20.78	20.91	20.99	20.82	20.79	22.5	0
10	QPSK	50	25	20.78	20.98	21.06	21.07	21.07		
10	QPSK	50	50	20.63	20.88	21.06	20.96	20.83		
10	QPSK	100	0	20.78	20.98	21.06	21.07	21.07	22.5	0
10	QPSK	1	0	20.83	21.03	21.11	21.07	20.79		
10	QPSK	1	48	20.78	20.86	20.97	20.78	20.71		
10	QPSK	25	0	20.37	20.59	20.64	20.43	20.27	22	0.5
10	QPSK	25	12	20.37	20.25	20.49	20.49	20.46		
10	QPSK	25	25	20.20	20.23	20.49	20.44	20.16		
10	QPSK	50	0	20.42	20.42	20.52	20.44	20.30	22	0.5
10	QPSK	50	25	20.36	20.36	20.36	20.31	20.25		
10	QPSK	100	0	20.42	20.40	20.48	20.51	20.41		
10	QPSK	1	0	20.29	20.38	20.43	20.24	20.17	21	1.5
10	QPSK	1	48	19.38	19.40	19.42	19.41	19.25		
10	QPSK	25	12	19.32	19.38	19.28	19.32	19.29		
10	QPSK	25	25	19.16	19.34	19.53	19.35	19.19	21	1.5
10	QPSK	25	50	19.44	19.44	19.57	19.42	19.30		
10	QPSK	100	0	19.40	19.40	19.40	19.40	19.40		
Channel				38675	40148	40620	41034	41565		
Frequency (MHz)				20.93	21.04	21.11	21.03	21.09		
5	QPSK	1	0	20.97	20.94	21.09	21.03	20.88	23	0
5	QPSK	1	12	20.87	20.91	21.08	20.90	20.81		
5	QPSK	1	24	20.78	20.85	21.06	20.87	20.83		
5	QPSK	12	0	20.87	20.87	21.05	20.90	20.87	22.5	0
5	QPSK	12	7	20.77	20.73	20.91	20.78	20.71		
5	QPSK	12	14	20.63	20.71	20.92	20.80	20.64		
5	QPSK	26	0	20.76	20.97	20.97	20.79	20.83	22.5	0
5	QPSK	1	0	20.88	20.83	21.01	20.95	20.74		
5	QPSK	1	12	20.72	20.80	20.97	20.83	20.77		
5	QPSK	1	24	20.78	20.85	20.83	20.78	20.65	22	0.5
5	QPSK	12	0	20.34	20.52	20.45	20.42	20.37		
5	QPSK	12	12	20.38	20.38	20.38	20.38	20.38		
5	QPSK	12	15	20.12	20.23	20.44	20.33	20.28	22	0.5
5	QPSK	26	0	20.43	20.37	20.60	20.44	20.31		
5	QPSK	26	12	20.34	20.34	20.39	20.36	20.33		
5	QPSK	1	12	20.11	20.38	20.58	20.51	20.29	22	0.5
5	QPSK	1	24	20.35	20.35	20.35	20.35	20.35		
5	QPSK	12	0	19.27	19.37	19.52	19.30	19.17		
5	QPSK	12	7	19.20	19.40	19.22	19.33	19.17	21	1.5
5	QPSK	12	15	19.20	19.40	19.22	19.33	19.17		
5	QPSK	26	0	19.25	19.52	19.51	19.43	19.38		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.68	21.03	21.09	20.86	20.66	21.5	0
20	QPSK	1	49	20.76	20.89	20.93	20.85	20.71		
20	QPSK	1	99	20.72	20.78	21.01	20.70	20.63		
20	QPSK	50	0	20.70	20.78	21.05	20.76	20.61		
20	QPSK	50	24	20.59	20.84	20.78	20.79	20.56	21.5	0
20	QPSK	50	50	20.57	20.68	20.74	20.61	20.58		
20	QPSK	100	0	20.67	20.81	20.97	20.69	20.59		
20	16QAM	1	0	20.57	20.81	20.84	20.73	20.41		
20	16QAM	1	49	20.52	20.70	20.73	20.61	20.46	21.5	0
20	16QAM	1	99	20.52	20.62	20.74	20.47	20.37		
20	16QAM	50	0	19.72	19.90	19.88	19.74	19.51		
20	16QAM	50	24	19.51	19.80	19.88	19.69	19.50		
20	16QAM	50	50	19.45	19.70	19.86	19.53	19.54	20.5	1
20	16QAM	100	0	19.56	19.79	19.97	19.67	19.50		
20	64QAM	1	0	19.18	19.19	19.39	19.20	19.03		
20	64QAM	1	49	19.02	19.22	19.23	19.10	19.05		
20	64QAM	1	99	19.00	19.06	19.23	18.98	19.02	20.5	1
20	64QAM	50	0	18.60	18.72	18.75	18.65	18.52		
20	64QAM	50	24	18.50	18.73	18.75	18.80	18.55		
20	64QAM	50	50	18.63	18.63	18.65	18.48	18.54		
20	64QAM	100	0	18.73	18.89	18.94	18.68	18.53	19.5	2
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.58	20.93	20.90	20.71	20.50	22.5	0
15	QPSK	1	37	20.57	20.88	20.83	20.71	20.50		
15	QPSK	1	74	20.63	20.64	20.81	20.52	20.52		
15	QPSK	36	0	20.58	20.64	20.89	20.71	20.56		
15	QPSK	36	20	20.45	20.72	20.70	20.62	20.41	22.5	0
15	QPSK	36	39	20.51	20.53	20.69	20.56	20.52		
15	QPSK	75	0	20.53	20.76	20.93	20.56	20.47		
15	16QAM	1	0	20.53	20.67	20.67	20.64	20.28		
15	16QAM	1	37	20.39	20.59	20.69	20.54	20.37	22.5	0
15	16QAM	1	74	20.43	20.46	20.57	20.40	20.28		
15	16QAM	36	0	19.58	19.80	19.84	19.62	19.38		
15	16QAM	36	20	19.40	19.64	19.79	19.62	19.38		
15	16QAM	36	39	19.52	19.64	19.71	19.46	19.48	21.5	1
15	16QAM	75	0	19.40	19.67	19.86	19.61	19.37		
15	64QAM	1	0	19.04	19.03	19.23	19.10	18.91		
15	64QAM	1	37	18.92	19.19	19.10	19.00	18.84		
15	64QAM	1	74	18.84	19.03	19.10	18.92	18.85	21.5	1
15	64QAM	36	0	18.54	18.61	18.59	18.60	18.39		
15	64QAM	36	20	18.40	18.67	18.62	18.75	18.42		
15	64QAM	36	39	18.48	18.57	18.59	18.40	18.47		
15	64QAM	75	0	18.66	18.85	18.80	18.65	18.45	20.5	2
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.63	20.95	20.96	20.75	20.55	21.5	0
10	QPSK	1	25	20.53	20.78	20.86	20.67	20.50		
10	QPSK	1	49	20.58	20.66	20.83	20.60	20.51		
10	QPSK	25	0	20.59	20.72	20.93	20.62	20.56		
10	QPSK	25	12	20.49	20.78	20.70	20.88	20.50	21.5	0
10	QPSK	25	25	20.50	20.62	20.63	20.47	20.43		
10	QPSK	50	0	20.57	20.70	20.84	20.57	20.51		
10	16QAM	1	0	20.42	20.74	20.70	20.60	20.32		
10	16QAM	1	25	20.47	20.63	20.61	20.58	20.41	21.5	0
10	16QAM	1	49	20.38	20.55	20.64	20.33	20.29		
10	16QAM	25	0	19.60	19.84	19.84	19.67	19.39		
10	16QAM	25	12	19.52	19.66	19.80	19.60	19.41		
10	16QAM	25	25	19.51	19.54	19.78	19.47	19.49	20.5	1
10	16QAM	50	0	19.52	19.70	19.83	19.53	19.41		
10	64QAM	1	0	19.09	19.07	19.34	19.09	18.87		
10	64QAM	1	25	18.90	19.08	19.17	19.06	19.00		
10	64QAM	1	49	18.89	18.92	19.08	18.86	18.92	20.5	1
10	64QAM	25	0	18.49	18.64	18.71	18.52	18.43		
10	64QAM	25	12	18.41	18.60	18.71	18.76	18.41		
10	64QAM	25	25	18.56	18.52	18.56	18.41	18.41		
10	64QAM	50	0	18.67	18.79	18.89	18.56	18.39	19.5	2
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.56	20.94	20.96	20.71	20.51	21.5	0
5	QPSK	1	12	20.58	20.88	20.92	20.67	20.53		
5	QPSK	1	24	20.56	20.67	20.81	20.55	20.54		
5	QPSK	12	0	20.56	20.65	20.92	20.70	20.53		
5	QPSK	12	7	20.56	20.80	20.64	20.66	20.52	21.5	0
5	QPSK	12	13	20.42	20.52	20.67	20.55	20.46		
5	QPSK	25	0	20.56	20.76	20.80	20.35	20.54		
5	16QAM	1	0	20.47	20.77	20.75	20.70	20.36		
5	16QAM	1	12	20.41	20.55	20.61	20.57	20.33	21.5	0
5	16QAM	1	24	20.41	20.57	20.69	20.33	20.45		
5	16QAM	12	0	19.67	19.64	19.74	19.60	19.46		
5	16QAM	12	7	19.48	19.69	19.74	19.55	19.45		
5	16QAM	12	13	19.32	19.55	19.63	19.42	19.49	20.5	1
5	16QAM	25	0	19.53	19.67	19.89	19.60	19.46		
5	64QAM	1	0	19.15	19.05	19.24	19.07	18.93		
5	64QAM	1	12	18.87	19.05	19.20	18.94	18.98		
5	64QAM	1	24	18.84	19.00	19.13	18.87	18.90	20.5	1
5	64QAM	12	0	18.50	18.65	18.68	18.50	18.36		
5	64QAM	12	7	18.40	18.56	18.60	18.66	18.50		
5	64QAM	12	13	18.50	18.57	18.53	18.33	18.40		
5	64QAM	25	0	18.66	18.81	18.79	18.60	18.40	19.5	2
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.56	20.94	20.96	20.71	20.51	21.5	0
5	QPSK	1	12	20.58	20.88	20.92	20.67	20.53		
5	QPSK	1	24	20.56	20.67	20.81	20.55	20.54		
5	QPSK	12	0	20.56	20.65	20.92	20.70	20.53		
5	QPSK	12	7	20.56	20.80	20.64	20.66	20.52	21.5	0
5	QPSK	12	13	20.42	20.52	20.67	20.55	20.46		
5	QPSK	25	0	20.56	20.76	20.80	20.35	20.54		
5	16QAM	1	0	20.47	20.77	20.75	20.70	20.36		
5	16QAM	1	12	20.41	20.55	20.61	20.57	20.33	21.5	0
5	16QAM	1	24	20.41	20.57	20.69	20.33	20.45		
5	16QAM	12	0	19.67	19.64	19.74	19.60	19.46		
5	16QAM	12	7	19.48	19.69	19.74	19.55	19.45		
5	16QAM	12	13	19.32	19.55	19.63	19.42	19.49	20.5	1
5	16QAM	25	0	19.53	19.67	19.89	19.60	19.46		
5	64QAM	1	0	19.15	19.05	19.24	19.07	18.93		
5	64QAM	1	12	18.87	19.05	19.20	18.94	18.98		
5	64QAM	1	24	18.84	19.00	19.13	18.87	18.90	20.5	1
5	64QAM	12	0	18.50	18.65	18.68	18.50	18.36		
5	64QAM	12	7	18.40	18.56	18.60	18.66	18.50		
5	64QAM	12	13	18.50	18.57	18.53	18.33	18.40		
5	64QAM	25	0	18.66	18.81	18.79	18.60	18.40	19.5	2
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)



Band 4 EC16 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.13	19.19	19.11			
20	QPSK	1	49	19.08	19.08	18.97	20	0	
20	QPSK	1	99	19.09	19.08	19.10			
20	QPSK	50	0	18.99	19.13	18.88			
20	QPSK	50	24	18.92	19.04	18.86	20	0	
20	QPSK	50	50	18.95	19.02	18.96			
20	QPSK	100	0	19.08	19.10	19.00			
20	16QAM	1	0	19.10	19.16	18.99			
20	16QAM	1	49	18.95	19.12	19.07	20	0	
20	16QAM	1	99	19.02	19.15	19.10			
20	16QAM	50	0	19.01	19.14	19.06			
20	16QAM	50	24	19.12	19.15	19.11	20	0	
20	16QAM	50	50	19.01	19.08	19.06			
20	16QAM	100	0	19.08	19.11	19.07			
20	64QAM	1	0	18.90	19.07	18.94			
20	64QAM	1	49	18.92	19.01	18.94	20	0	
20	64QAM	1	99	19.05	19.02	18.98			
20	64QAM	50	0	18.06	18.09	18.05			
20	64QAM	50	24	17.99	18.05	17.95	19	1	
20	64QAM	50	50	18.06	18.05	18.06			
20	64QAM	100	0	18.03	18.06	18.04			
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	19.17	19.15	19.09			
15	QPSK	1	37	19.02	19.05	18.87	20	0	
15	QPSK	1	74	19.15	19.11	19.03			
15	QPSK	36	0	18.97	19.08	18.95			
15	QPSK	36	20	19.01	19.01	18.94	20	0	
15	QPSK	36	39	18.99	18.99	18.92			
15	QPSK	75	0	19.02	19.10	19.06			
15	16QAM	1	0	19.01	19.14	19.05			
15	16QAM	1	37	19.06	19.17	18.97	20	0	
15	16QAM	1	74	18.99	19.18	19.15			
15	16QAM	36	0	18.88	19.14	19.06			
15	16QAM	36	20	19.05	19.16	18.97	20	0	
15	16QAM	36	39	18.95	19.04	18.94			
15	16QAM	75	0	19.09	19.03	18.97			
15	64QAM	1	0	18.74	18.88	18.93			
15	64QAM	1	37	18.91	18.92	18.77	20	0	
15	64QAM	1	74	18.87	18.99	19.11			
15	64QAM	36	0	18.03	18.08	17.96			
15	64QAM	36	20	17.80	17.94	17.91	19	1	
15	64QAM	36	39	18.01	18.00	17.84			
15	64QAM	75	0	18.01	18.02	18.01			
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	19.07	19.12	19.06			
10	QPSK	1	25	19.13	19.14	18.98	20	0	
10	QPSK	1	49	19.05	19.07	19.05			
10	QPSK	25	0	18.96	19.07	18.97			
10	QPSK	25	12	18.90	19.14	18.92	20	0	
10	QPSK	25	25	18.92	19.10	18.88			
10	QPSK	50	0	18.88	19.05	19.07			
10	16QAM	1	0	19.10	19.16	19.09			
10	16QAM	1	25	18.94	19.15	18.99	20	0	
10	16QAM	1	49	19.04	19.14	19.10			
10	16QAM	25	0	19.01	19.14	18.96			
10	16QAM	25	12	19.04	19.11	18.92	20	0	
10	16QAM	25	25	18.87	18.90	18.87			
10	16QAM	50	0	19.09	19.12	19.08			
10	64QAM	1	0	18.91	18.88	18.77			
10	64QAM	1	25	18.87	18.79	18.89	20	0	
10	64QAM	1	49	19.00	18.83	18.88			
10	64QAM	25	0	18.00	17.95	17.84			
10	64QAM	25	12	17.90	17.90	17.85	19	1	
10	64QAM	25	25	18.07	18.04	17.86			
10	64QAM	50	0	17.88	17.87	17.84			
Channel				1957.5	1971.5	2037.5			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	19.10	19.16	19.08			
5	QPSK	1	12	19.05	19.15	18.90	20	0	
5	QPSK	1	24	19.16	19.04	19.12			
5	QPSK	12	0	19.03	19.08	18.91			
5	QPSK	12	7	18.92	19.00	18.94	20	0	
5	QPSK	12	13	18.96	18.97	18.91			
5	QPSK	25	0	19.09	19.12	19.07			
5	16QAM	1	0	19.01	19.14	19.07			
5	16QAM	1	12	18.98	19.08	19.03	20	0	
5	16QAM	1	24	19.04	19.16	19.03			
5	16QAM	12	0	18.82	19.10	18.98			
5	16QAM	12	7	19.04	19.18	18.91	20	0	
5	16QAM	12	13	18.90	18.95	19.00			
5	16QAM	25	0	18.88	19.00	19.04			
5	64QAM	1	0	18.71	19.00	18.76			
5	64QAM	1	12	18.73	19.02	18.73	20	0	
5	64QAM	1	24	18.86	18.90	18.99			
5	64QAM	12	0	18.03	19.11	18.87			
5	64QAM	12	7	17.89	17.99	17.79	19	1	
5	64QAM	12	13	17.86	17.94	17.86			
5	64QAM	25	0	17.82	17.93	17.97			
Channel				19965 <th>20175</th> <th>20385</th> <th></th> <th></th> <th></th>	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	19.06	19.17	19.09			
3	QPSK	1	8	19.11	19.15	18.94	20	0	
3	QPSK	1	14	19.17	19.06	19.18			
3	QPSK	8	0	19.00	19.10	18.90			
3	QPSK	8	4	18.90	19.03	18.86	20	0	
3	QPSK	8	7	19.05	18.99	18.84			
3	QPSK	15	0	19.00	19.11	19.04			
3	16QAM	1	0	19.07	19.08	19.08			
3	16QAM	1	8	18.98	19.18	19.02	20	0	
3	16QAM	1	14	18.98	19.16	19.06			
3	16QAM	8	0	18.95	18.98	18.95			
3	16QAM	8	4	19.04	19.04	19.04	20	0	
3	16QAM	8	7	18.82	18.90	18.93			
3	16QAM	15	0	19.05	18.99	19.08			
3	64QAM	1	0	18.79	19.03	18.79			
3	64QAM	1	8	18.92	19.02	18.83	20	0	
3	64QAM	1	14	18.85	18.95	18.98			
3	64QAM	8	0	17.90	17.99	17.97			
3	64QAM	8	4	17.77	18.02	17.94	19	1	
3	64QAM	8	7	17.85	17.88	17.97			
3	64QAM	15	0	17.90	17.97	17.82			
Channel				19957 <th>20175</th> <th>20393</th> <th></th> <th></th> <th></th>	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	19.08	19.16	19.07			
1.4	QPSK	1	3	19.13	19.09	19.00	20	0	
1.4	QPSK	1	5	19.15	19.05	19.09			
1.4	QPSK	3	0	19.04	19.08	19.16			
1.4	QPSK	3	1	19.09	19.07	18.92			
1.4	QPSK	3	3	19.13	19.07	19.05	20	0	
1.4	QPSK	6	0	18.94	19.13	18.92			
1.4	16QAM	1	0	19.00	19.06	18.95			
1.4	16QAM	3	0	19.05	19.06	18.96	20	0	
1.4	16QAM	1	5	19.03	19.03				
1.4	16QAM	3	0	19.12	19.18	19.10			
1.4	16QAM	3	1	18.97	19.04	19.01	20	0	
1.4	16QAM	3	3	19.03	19.05	19.05			
1.4	16QAM	6	0	18.94	18.99	18.78	20	0	
1.4	64QAM	1	0	18.84	18.82	19.04			
1.4	64QAM	1	3	18.82	18.79	18.07			
1.4	64QAM	1	5	19.00	19.00	19.07	20	0	
1.4	64QAM	3	0	18.70	18.81	18.66			
1.4	64QAM	3	1	18.81	18.97	18.68			
1.4	64QAM	3	3	18.86	18.85	18.90			
1.4	64QAM	6	0	17.84	17.97	17.84	19	1	

Band 5 EC16 Ant4									
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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.24	22.33	22.21	23	0	
10	QPSK	1	25	22.24	22.33	22.21			
10	QPSK	1	49	22.03	22.27	22.02			
10	QPSK	25	0	21.24	21.27	21.26	22	1	
10	QPSK	25	12	21.11	21.21	20.90			
10	QPSK	25	25	21.00	21.20	20.96			
10	QPSK	50	0	21.22	21.33	21.15	22	1	
10	16QAM	1	0	21.43	21.64	21.31			
10	16QAM	1	25	21.30	21.61	21.26			
10	16QAM	1	49	21.14	21.24	20.90	21	2	
10	16QAM	25	0	20.15	20.26	20.32			
10	16QAM	25	12	20.15	20.11	20.10			
10	16QAM	25	25	19.91	20.21	20.08	20	3	
10	16QAM	50	0	20.20	20.30	20.25			
10	64QAM	1	0	20.16	20.25	20.15			
10	64QAM	1	25	20.16	20.28	20.11	21	2	
10	64QAM	1	49	20.21	20.12	20.21			
10	64QAM	25	0	19.29	19.32	19.20			
10	64QAM	25	12	19.03	19.27	18.92	20	3	
10	64QAM	25	25	19.01	19.16	18.84			
10	64QAM	50	0	19.33	19.31	19.11			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.10	22.31	22.09	23	0	
5	QPSK	1	12	22.16	22.30	21.88			
5	QPSK	1	24	21.98	22.14	22.02			
5	QPSK	12	0	21.15	21.12	21.26	22	1	
5	QPSK	12	12	21.05	21.14	20.98			
5	QPSK	12	13	20.87	21.05	20.97			
5	QPSK	25	0	21.14	21.15	21.12	22	1	
5	16QAM	1	0	21.25	21.45	21.14			
5	16QAM	1	12	21.19	21.45	21.25			
5	16QAM	1	24	21.34	21.29	21.12	21	2	
5	16QAM	12	0	19.94	20.19	20.31			
5	16QAM	12	7	19.82	19.06	19.98			
5	16QAM	12	13	19.83	21.14	20.08	21	2	
5	16QAM	25	0	20.16	20.12	20.11			
5	64QAM	1	0	19.98	20.26	20.10			
5	64QAM	1	12	20.10	20.29	19.97	21	2	
5	64QAM	1	24	20.14	20.09	20.01			
5	64QAM	12	0	19.20	19.13	19.20			
5	64QAM	12	7	18.83	19.17	18.95	20	3	
5	64QAM	12	13	18.82	19.06	18.83			
5	64QAM	25	0	19.21	19.30	19.90			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.12	22.31	22.10	23	0	
3	QPSK	1	8	22.19	22.25	21.84			
3	QPSK	1	14	22.01	22.05	21.01			
3	QPSK	8	0	21.06	21.08	21.05	22	1	
3	QPSK	8	4	21.07	21.10	20.75			
3	QPSK	8	7	20.93	21.06	20.89			
3	QPSK	15	0	21.23	21.24	21.11	22	1	
3	16QAM	1	0	21.35	21.26	21.22			
3	16QAM	1	8	21.15	21.21	21.13			
3	16QAM	1	14	21.24	21.30	21.24	21	2	
3	16QAM	8	0	20.14	20.18	20.30			
3	16QAM	8	4	20.03	20.05	20.09			
3	16QAM	8	7	20.04	20.14	20.09	20	3	
3	16QAM	15	0	20.16	20.23	20.18			
3	16QAM	1	0	19.88	20.02	20.03			
3	64QAM	1	8	20.15	20.15	19.92	21	2	
3	64QAM	1	14	20.07	20.07	20.05			
3	64QAM	8	0	19.16	19.13	19.13			
3	64QAM	8	4	18.81	19.06	18.95	20	3	
3	64QAM	8	7	19.02	19.05	18.86			
3	64QAM	15	0	19.18	19.12	18.92			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.98	22.28	22.08	23	0	
1.4	QPSK	1	3	22.17	22.28	21.96			
1.4	QPSK	1	3	22.02	22.04	21.95			
1.4	QPSK	3	0	22.12	22.25	22.07	22	1	
1.4	QPSK	3	1	22.03	22.02	21.79			
1.4	QPSK	3	3	22.02	21.89	21.82			
1.4	QPSK	6	0	21.01	20.99	20.85	21	2	
1.4	16QAM	1	0	20.97	20.93	20.81			
1.4	16QAM	1	3	20.87	20.93	20.74			
1.4	16QAM	1	6	21.03	21.05	20.98	22	1	
1.4	16QAM	3	0	21.25	21.44	21.18			
1.4	16QAM	3	1	20.96	21.43	20.98			
1.4	16QAM	3	3	21.03	21.41	21.15	21	2	
1.4	16QAM	6	0	19.96	20.15	20.19			
1.4	64QAM	1	0	20.00	20.05	19.95			
1.4	64QAM	1	3	19.88	20.02	19.01	21	2	
1.4	64QAM	1	5	20.13	20.06	20.03			
1.4	64QAM	3	0	20.00	20.16	19.88			
1.4	64QAM	3	1	20.07	20.17	19.92	20	3	
1.4	64QAM	3	3	19.98	19.87	19.91			
1.4	64QAM	6	0	19.10	19.11	18.81			

Band 7 ECI6 Ant4									
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				20850	21100	21350	18	0	
Frequency (MHz)				2310	2335	2360			
20	QPSK	1	0	17.60	17.62	17.58	18	0	
20	QPSK	1	49	17.42	17.44	17.36			
20	QPSK	1	99	17.36	17.44	17.43	18	0	
20	QPSK	50	0	17.52	17.58	17.54			
20	QPSK	50	24	17.43	17.53	17.47	18	0	
20	QPSK	50	50	17.47	17.43	17.42			
20	QPSK	100	0	17.56	17.61	17.59	18	0	
20	16QAM	1	0	17.58	17.59	17.44			
20	16QAM	1	49	17.45	17.48	17.38	18	0	
20	16QAM	1	99	17.39	17.53	17.36			
20	16QAM	50	0	17.52	17.59	17.51	18	0	
20	16QAM	50	24	17.30	17.56	17.46			
20	16QAM	50	50	17.40	17.51	17.48	18	0	
20	16QAM	100	0	17.50	17.56	17.61			
20	16QAM	1	0	17.50	17.61	17.45	18	0	
20	16QAM	1	49	17.30	17.59	17.38			
20	16QAM	1	99	17.46	17.50	17.36	18	0	
20	16QAM	50	0	17.44	17.60	17.50			
20	16QAM	50	24	17.39	17.51	17.38	18	0	
20	16QAM	50	50	17.49	17.51	17.30			
20	16QAM	100	0	17.54	17.60	17.59	18	0	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	15	0	
15	QPSK	1	0	17.60	17.61	17.58			
15	QPSK	1	37	17.46	17.37	17.40	18	0	
15	QPSK	1	74	17.41	17.47	17.48			
15	QPSK	36	0	17.53	17.50	17.50	18	0	
15	QPSK	36	20	17.36	17.51	17.48			
15	QPSK	36	39	17.47	17.48	17.46	18	0	
15	QPSK	75	0	17.54	17.54	17.52			
15	16QAM	1	0	17.52	17.56	17.40	18	0	
15	16QAM	1	37	17.46	17.47	17.33			
15	16QAM	1	74	17.31	17.46	17.34	18	0	
15	16QAM	36	0	17.54	17.61	17.52			
15	16QAM	36	20	17.23	17.61	17.42	18	0	
15	16QAM	36	39	17.36	17.51	17.53			
15	16QAM	75	0	17.54	17.60	17.55	18	0	
15	16QAM	1	0	17.47	17.58	17.44			
15	16QAM	1	37	17.24	17.59	17.30	18	0	
15	16QAM	1	74	17.42	17.55	17.31			
15	16QAM	36	0	17.36	17.52	17.49	18	0	
15	16QAM	36	20	17.43	17.51	17.40			
15	16QAM	36	39	17.46	17.45	17.34	18	0	
15	16QAM	75	0	17.55	17.58	17.51			
Channel				20800	21100	21400	10	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.54	17.58	17.54	18	0	
10	QPSK	1	25	17.39	17.40	17.30			
10	QPSK	1	49	17.35	17.36	17.45	18	0	
10	QPSK	25	0	17.53	17.56	17.59			
10	QPSK	25	12	17.37	17.56	17.47	18	0	
10	QPSK	25	25	17.40	17.46	17.35			
10	QPSK	50	0	17.61	17.58	17.51	18	0	
10	16QAM	1	0	17.57	17.60	17.45			
10	16QAM	1	25	17.41	17.42	17.31	18	0	
10	16QAM	1	49	17.39	17.54	17.32			
10	16QAM	25	0	17.52	17.53	17.52	18	0	
10	16QAM	25	12	17.34	17.58	17.45			
10	16QAM	25	25	17.38	17.54	17.53	18	0	
10	16QAM	50	0	17.46	17.52	17.55			
10	16QAM	1	0	17.44	17.54	17.49	18	0	
10	16QAM	1	25	17.33	17.55	17.36			
10	16QAM	1	49	17.46	17.54	17.37	18	0	
10	16QAM	25	0	17.46	17.52	17.55			
10	16QAM	25	12	17.35	17.53	17.36	18	0	
10	16QAM	25	25	17.42	17.54	17.59			
10	16QAM	50	0	17.56	17.60	17.54	18	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	5	0	
5	QPSK	1	0	17.52	17.58	17.53			
5	QPSK	1	12	17.46	17.45	17.40	18	0	
5	QPSK	1	24	17.32	17.43	17.41			
5	QPSK	12	0	17.47	17.60	17.57	18	0	
5	QPSK	12	7	17.47	17.48	17.50			
5	QPSK	12	13	17.52	17.45	17.37	18	0	
5	QPSK	25	0	17.52	17.61	17.59			
5	16QAM	1	0	17.60	17.60	17.45	18	0	
5	16QAM	1	12	17.38	17.50	17.35			
5	16QAM	1	24	17.36	17.45	17.30	18	0	
5	16QAM	12	0	17.65	17.56	17.56			
5	16QAM	12	7	17.35	17.60	17.41	18	0	
5	16QAM	12	13	17.33	17.53	17.41			
5	16QAM	25	0	17.44	17.61	17.51	18	0	
5	16QAM	1	0	17.48	17.56	17.39			
5	16QAM	1	12	17.27	17.52	17.39	18	0	
5	16QAM	1	24	17.42	17.56	17.30			
5	16QAM	12	0	17.39	17.58	17.42	18	0	
5	16QAM	12	7	17.39	17.52	17.52			
5	16QAM	12	13	17.53	17.51	17.33	18	0	
5	16QAM	25	0	17.49	17.59	17.51			

Band 12 ECI6 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	23	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.49	22.54	22.48	23	0	
10	QPSK	1	25	22.42	22.51	22.46			
10	QPSK	1	49	22.46	22.49	22.45	22	1	
10	QPSK	25	0	21.58	21.62	21.47			
10	QPSK	25	12	21.41	21.61	21.38	22	1	
10	QPSK	25	25	21.51	21.54	21.45			
10	QPSK	50	0	21.56	21.59	21.54	22	1	
10	16QAM	1	0	21.83	21.91	21.68			
10	16QAM	1	25	21.82	21.72	21.87	22	1	
10	16QAM	1	49	21.78	21.74	21.76			
10	16QAM	25	0	20.57	20.61	20.42	21	2	
10	16QAM	25	12	20.37	20.66	20.45			
10	16QAM	25	25	20.51	20.50	20.48	21	2	
10	16QAM	50	0	20.55	20.58	20.54			
10	16QAM	1	0	20.81	20.81	20.80	21	2	
10	16QAM	1	25	20.74	20.71	20.70			
10	16QAM	1	49	20.67	20.75	20.72	21	2	
10	16QAM	25	0	19.60	19.62	19.43			
10	16QAM	25	12	19.48	19.55	19.48	20	3	
10	16QAM	25	25	19.53	19.51	19.53			
10	16QAM	50	0	19.53	19.58	19.44	20	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	23	0	
5	QPSK	1	0	22.47	22.51	22.49			
5	QPSK	1	12	22.31	22.45	22.28	23	0	
5	QPSK	1	24	22.34	22.28	22.26			
5	QPSK	12	0	21.50	21.58	21.30	22	1	
5	QPSK	12	12	21.38	21.53	21.38			
5	QPSK	12	13	21.41	21.45	21.31	22	1	
5	QPSK	25	0	21.41	21.59	21.52			
5	16QAM	1	0	21.75	21.85	21.61	22	1	
5	16QAM	1	12	21.77	21.66	21.82			
5	16QAM	1	24	21.74	21.71	21.65	21	2	
5	16QAM	12	0	20.54	20.40	20.27			
5	16QAM	12	7	20.30	20.67	20.25	21	2	
5	16QAM	12	13	20.48	20.49	20.49			
5	16QAM	25	0	20.38	20.53	20.33	21	2	
5	16QAM	25	1	20.75	20.62	20.66			
5	16QAM	1	12	20.60	20.66	20.53	21	2	
5	16QAM	1	24	20.66	20.60	20.61			
5	16QAM	12	0	19.39	19.60	19.44	20	3	
5	16QAM	12	7	19.35	19.50	19.35			
5	16QAM	12	13	19.38	19.43	19.38	20	3	
5	16QAM	25	0	19.34	19.48	19.37			
Channel				23025	23095	23165	23	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.52	22.37	23	0	
3	QPSK	1	8	22.42	22.46	22.27			
3	QPSK	1	14	22.32	22.28	22.31	22	1	
3	QPSK	8	0	21.46	21.63	21.37			
3	QPSK	8	4	21.37	21.41	21.29	22	1	
3	QPSK	8	7	21.52	21.36	21.39			
3	QPSK	15	0	21.58	21.58	21.44	22	1	
3	16QAM	1	0	21.71	21.85	21.61			
3	16QAM	1	8	21.71	21.54	21.85	22	1	
3	16QAM	1	14	21.56	21.59	21.69			
3	16QAM	8	0	20.49	20.47	20.41	21	2	
3	16QAM	8	4	20.35	20.51	20.23			
3	16QAM	8	7	20.35	20.33	20.35	21	2	
3	16QAM	15	0	20.51	20.48	20.51			
3	16QAM	1	0	20.70	20.70	20.61	21	2	
3	16QAM	1	8	20.72	20.58	20.55			
3	16QAM	1	14	20.53	20.67	20.59	20	3	
3	16QAM	8	0	19.59	19.42	19.23			
3	16QAM	8	4	19.33	19.37	19.29	20	3	
3	16QAM	8	7	19.47	19.39	19.48			
3	16QAM	15	0	19.44	19.38	19.35	20	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	23	0	
1.4	QPSK	1	0	22.31	22.52	22.21			
1.4	QPSK	1	3	22.25	22.38	22.28	23	0	
1.4	QPSK	1	5	22.25	22.40	22.28			
1.4	QPSK	3	0	22.11	22.50	22.16	22	1	
1.4	QPSK	3	1	22.35	22.28	22.21			
1.4	QPSK	3	3	22.33	22.19	22.24	22	1	
1.4	QPSK	6	0	21.27	21.62	21.32			
1.4	16QAM	1	0	21.31	21.33	21.14	22	1	
1.4	16QAM	1	3	21.44	21.25	21.37			
1.4	16QAM	1	5	21.56	21.43	21.55	21	2	
1.4	16QAM	3	0	21.66	21.73	21.62			
1.4	16QAM	3	1	21.63	21.43	21.68	21	2	
1.4	16QAM	3	3	21.35	21.46	21.61			
1.4	16QAM	6	0	20.40	20.49	20.33	21	2	
1.4	16QAM	1	0	20.36	20.44	20.18			
1.4	16QAM	1	3	20.18	20.12	20.14	21	2	
1.4	16QAM	1	5	20.49	20.46	20.38			
1.4	16QAM	3	0	20.51	20.54	20.55	21	2	
1.4	16QAM	3	1	20.74	20.39	20.33			
1.4	16QAM	3	3	20.45	20.54	20.41	20	3	
1.4	16QAM	6	0	19.27	19.31	19.33			

Band 14 ECI6 Ant4									
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				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
10	QPSK	1	0	22.29			23	0	
10	QPSK	1	25	22.28					
10	QPSK	1	49	22.22					
10	QPSK	25	0	21.18					
10	QPSK	25	12	21.14			22	1	
10	QPSK	25	25	21.12					
10	QPSK	50	0	21.50					
10	16QAM	1	0	21.58					
10	16QAM	1	25	21.52			22	1	
10	16QAM	1	49	21.50					
10	16QAM	25	0	20.23					
10	16QAM	25	12	20.23					
10	16QAM	25	25	20.21			21	2	
10	16QAM	50	0	20.29					
10	64QAM	1	0	20.41					
10	64QAM	1	25	20.39					
10	64QAM	1	49	20.35			21	2	
10	64QAM	25	0	19.27					
10	64QAM	25	12	19.25					
10	64QAM	25	25	19.17					
10	64QAM	50	0	19.30			20	3	
Channel				23305	23330	23355			
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	22.22	22.28	22.23	23	0	
5	QPSK	1	12	22.16	22.21	22.24			
5	QPSK	1	24	22.11	22.22	22.05			
5	QPSK	12	0	21.14	21.02	21.01			
5	QPSK	12	7	21.13	20.96	21.05	22	1	
5	QPSK	12	13	20.94	21.12	20.98			
5	QPSK	25	0	21.25	21.23	21.17			
5	16QAM	1	0	21.58	21.57	21.45			
5	16QAM	1	12	21.41	21.41	21.37	22	1	
5	16QAM	1	24	21.29	21.40	21.33			
5	16QAM	12	0	20.21	20.14	20.20			
5	16QAM	12	7	20.17	20.18	20.23			
5	16QAM	12	13	20.20	20.13	20.11	21	2	
5	16QAM	25	0	20.27	20.13	20.27			
5	64QAM	1	0	20.25	20.19	20.20			
5	64QAM	1	12	20.18	20.27	20.19			
5	64QAM	1	24	20.18	20.37	20.29	21	2	
5	64QAM	12	0	19.18	19.14	19.06			
5	64QAM	12	7	19.07	19.25	19.13			
5	64QAM	12	13	19.12	19.10	18.97			
5	64QAM	25	0	19.18	19.09	19.31	20	3	

Band 17 ECI6 Ant4									
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				23780	23790	23800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.45	22.48	22.41	23	0	
10	QPSK	1	25	22.42	22.46	22.35			
10	QPSK	1	49	22.45	22.42	22.41			
10	QPSK	25	0	21.47	21.65	21.44			
10	QPSK	25	12	21.51	21.55	21.53	22	1	
10	QPSK	25	25	21.58	21.59	21.60			
10	QPSK	50	0	21.60	21.66	21.63			
10	16QAM	1	0	21.55	21.80	21.56			
10	16QAM	1	25	21.63	21.71	21.44	22	1	
10	16QAM	1	49	21.64	21.75	21.49			
10	16QAM	25	0	20.53	20.67	20.50			
10	16QAM	25	12	20.63	20.52	20.42			
10	16QAM	25	25	20.67	20.58	20.51	21	2	
10	16QAM	50	0	20.61	20.62	20.58			
10	64QAM	1	0	20.73	20.74	20.67			
10	64QAM	1	25	20.69	20.71	20.61			
10	64QAM	1	49	20.68	20.71	20.62	21	2	
10	64QAM	25	0	19.57	19.63	19.53			
10	64QAM	25	12	19.59	19.56	19.55			
10	64QAM	25	25	19.63	19.69	19.67			
10	64QAM	50	0	19.61	19.65	19.59	20	3	
Channel				23755	23790	23825			
Frequency (MHz)				708.5	710	711.5			
5	QPSK	1	0	22.41	22.46	22.41	23	0	
5	QPSK	1	12	22.40	22.39	22.24			
5	QPSK	1	24	22.28	22.29	22.27			
5	QPSK	12	0	21.38	21.53	21.40			
5	QPSK	12	7	21.37	21.47	21.44	22	1	
5	QPSK	12	13	21.37	21.38	21.57			
5	QPSK	25	0	21.55	21.48	21.50			
5	16QAM	1	0	21.55	21.67	21.35			
5	16QAM	1	12	21.52	21.56	21.37	22	1	
5	16QAM	1	24	21.47	21.60	21.31			
5	16QAM	12	0	20.51	20.45	20.48			
5	16QAM	12	7	20.46	20.51	20.40			
5	16QAM	12	13	20.53	20.57	20.51	21	2	
5	16QAM	25	0	20.42	20.54	20.38			
5	64QAM	1	0	20.59	20.63	20.66			
5	64QAM	1	12	20.50	20.58	20.57			
5	64QAM	1	24	20.60	20.53	20.41	21	2	
5	64QAM	12	0	19.43	19.57	19.38			
5	64QAM	12	7	19.39	19.43	19.54			
5	64QAM	12	13	19.42	19.60	19.46			
5	64QAM	25	0	19.51	19.50	19.37	20	3	

Band 25 ECI6 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	18.11	18.32	18.19	19	0	
20	QPSK	1	49	17.97	18.29	18.09			
20	QPSK	1	99	17.83	18.30	18.17			
20	QPSK	50	0	18.05	18.30	18.28	19	0	
20	QPSK	50	24	18.03	18.26	18.29			
20	QPSK	50	50	18.04	18.27	18.07			
20	QPSK	100	0	17.98	18.29	18.27	19	0	
20	16QAM	1	0	18.27	18.30	18.29			
20	16QAM	1	49	18.21	18.26	18.16			
20	16QAM	1	99	18.04	18.23	18.15	19	0	
20	16QAM	50	0	18.12	18.28	18.22			
20	16QAM	50	24	17.93	18.30	18.30			
20	16QAM	50	50	18.05	18.25	18.15	19	0	
20	16QAM	100	0	18.12	18.27	18.22			
20	64QAM	1	0	18.16	18.29	18.13			
20	64QAM	1	49	17.89	18.15	18.15	19	0	
20	64QAM	1	99	17.80	18.18	18.04			
20	64QAM	50	0	18.22	18.26	18.24			
20	64QAM	50	24	18.21	18.24	18.22	19	0	
20	64QAM	50	50	18.10	18.15	18.12			
20	64QAM	100	0	18.20	18.29	18.26			
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.07	18.28	18.26	19	0	
15	QPSK	1	37	17.95	18.29	18.13			
15	QPSK	1	74	17.95	18.23	18.07			
15	QPSK	36	0	17.86	18.13	18.03	19	0	
15	QPSK	36	20	17.78	18.12	18.04			
15	QPSK	36	39	17.86	18.04	17.86			
15	QPSK	75	0	17.85	18.05	18.08	19	0	
15	16QAM	1	0	18.07	18.27	18.03			
15	16QAM	1	37	17.97	18.22	17.98			
15	16QAM	1	74	17.93	18.26	18.06	19	0	
15	16QAM	36	0	18.11	18.23	18.11			
15	16QAM	36	20	17.89	18.16	18.21			
15	16QAM	36	39	18.06	18.23	18.16	19	0	
15	16QAM	75	0	18.12	18.26	18.14			
15	64QAM	1	0	18.21	18.27	18.14			
15	64QAM	1	37	17.86	18.14	18.17	19	0	
15	64QAM	1	74	17.87	18.22	18.10			
15	64QAM	36	0	18.10	18.17	18.12			
15	64QAM	36	20	18.14	18.24	18.14	19	0	
15	64QAM	36	39	17.91	18.14	17.96			
15	64QAM	75	0	18.14	18.17	18.16			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	18.02	18.29	18.16	19	0	
10	QPSK	1	25	17.94	18.26	18.21			
10	QPSK	1	49	17.85	18.26	18.14			
10	QPSK	25	0	17.88	18.14	18.08	19	0	
10	QPSK	25	12	17.74	18.08	18.01			
10	QPSK	25	25	17.75	18.08	17.88			
10	QPSK	50	0	17.84	18.10	18.12	19	0	
10	16QAM	1	0	18.09	18.19	18.06			
10	16QAM	1	25	17.99	18.20	17.87			
10	16QAM	1	49	17.92	18.16	17.94	19	0	
10	16QAM	25	0	18.17	18.29	18.24			
10	16QAM	25	12	17.87	18.30	18.27			
10	16QAM	25	25	17.99	18.19	18.16	19	0	
10	16QAM	50	0	18.10	18.28	18.23			
10	64QAM	1	0	18.24	18.26	18.20			
10	64QAM	1	25	17.79	18.22	18.20	19	0	
10	64QAM	1	49	17.84	18.20	18.03			
10	64QAM	25	0	18.19	18.18	18.05			
10	64QAM	25	12	18.08	18.26	18.12	19	0	
10	64QAM	25	25	17.98	18.15	18.12			
10	64QAM	50	0	18.14	18.14	18.07			
Channel				26055	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	18.10	18.26	18.23	19	0	
5	QPSK	1	12	17.92	18.30	18.19			
5	QPSK	1	24	17.91	18.23	18.12			
5	QPSK	12	0	17.87	18.10	18.08	19	0	
5	QPSK	12	7	17.76	18.08	18.08			
5	QPSK	12	13	17.86	17.98	17.89			
5	QPSK	25	0	17.75	18.15	18.12	19	0	
5	16QAM	1	0	18.03	18.27	18.12			
5	16QAM	1	12	17.91	18.25	17.92			
5	16QAM	1	24	17.82	18.23	17.96	19	0	
5	16QAM	12	0	18.08	18.22	18.14			
5	16QAM	12	7	17.90	18.23	18.20			
5	16QAM	12	13	18.07	18.20	18.15	19	0	
5	16QAM	25	0	18.13	18.26	18.16			
5	64QAM	1	0	18.15	18.24	18.12			
5	64QAM	1	12	17.86	18.16	18.14	19	0	
5	64QAM	1	24	17.85	18.24	18.04			
5	64QAM	12	0	18.15	18.16	18.09			
5	64QAM	12	7	18.08	18.30	18.12	19	0	
5	64QAM	12	13	18.04	17.97	18.03			
5	64QAM	25	0	18.08	18.17	18.14			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	18.12	18.28	18.19	19	0	
3	QPSK	1	8	17.95	18.28	18.20			
3	QPSK	1	14	17.83	18.30	18.17			
3	QPSK	8	0	17.85	18.08	17.98	19	0	
3	QPSK	8	4	17.75	18.07	18.02			
3	QPSK	8	7	17.81	18.07	17.89			
3	QPSK	15	0	17.77	18.08	18.07	19	0	
3	16QAM	1	0	18.11	18.29	18.14			
3	16QAM	1	8	17.97	18.20	17.91			
3	16QAM	1	14	17.82	18.26	18.04	19	0	
3	16QAM	8	0	18.11	18.25	18.22			
3	16QAM	8	4	17.88	18.28	18.26			
3	16QAM	8	7	18.03	18.20	18.15	19	0	
3	16QAM	15	0	18.10	18.28	18.17			
3	64QAM	1	0	18.17	18.27	18.18			
3	64QAM	1	8	17.83	18.21	18.21	19	0	
3	64QAM	1	14	17.79	18.24	18.07			
3	64QAM	8	0	18.20	18.19	18.16			
3	64QAM	8	4	18.15	18.22	18.18	19	0	
3	64QAM	8	7	18.12	18.07	17.95			
3	64QAM	15	0	18.06	18.26	18.27			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	18.12	18.27	18.16	19	0	
1.4	QPSK	1	3	17.93	18.31	18.19			
1.4	QPSK	1	5	17.86	18.21	18.06			
1.4	QPSK	3	0	18.13	18.28	18.22	19	0	
1.4	QPSK	3	1	17.96	18.21	18.08			
1.4	QPSK	3	3	17.90	18.26	18.09			
1.4	QPSK	6	0	17.93	18.07	18.00	19	0	
1.4	16QAM	1	0	17.83	18.16	18.04			
1.4	16QAM	1	3	17.78	18.03	18.13			
1.4	16QAM	1	5	17.76	18.17	18.05	19	0	
1.4	16QAM	3	0	18.09	18.21	18.12			
1.4	16QAM	3	1	17.99	18.29	17.86			
1.4	16QAM	3	3	17.91	18.21	18.01	19	0	
1.4	16QAM	6	0	18.16	18.28	18.22			
1.4	64QAM	1	0	17.91	18.29	18.28			
1.4	64QAM	1	3	18.06	18.29	18.07	19	0	
1.4	64QAM	1	5	18.17	18.16	18.12			
1.4	64QAM	3	0	18.13	18.24	18.24			
1.4	64QAM	3	1	17.92	18.20	18.22	19	0	
1.4	64QAM	3	3	17.91	18.28	18.01			
1.4	64QAM	6	0	18.09	18.17	18.14			

Band 26 for FCC EC16 Ant4											
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)				821.5	831.5	841.5					
15	QPSK	1	0	22.22	22.38	22.18	23	0			
15	QPSK	1	37	22.23	22.34	22.17					
15	QPSK	1	74	22.15	22.31	22.12					
15	QPSK	36	0	21.13	21.32	21.13	22	1			
15	QPSK	36	20	21.13	21.25	21.17					
15	QPSK	36	39	21.20	21.30	21.14					
15	QPSK	75	0	21.12	21.28	21.12	22	1			
15	16QAM	1	0	21.32	21.35	21.14					
15	16QAM	1	37	21.29	21.31	21.14					
15	16QAM	1	74	21.07	21.33	21.16	21	2			
15	16QAM	36	0	20.15	20.22	20.10					
15	16QAM	36	20	20.11	20.17	20.14					
15	16QAM	36	39	20.11	20.18	20.14	21	2			
15	16QAM	75	0	20.21	20.29	20.18					
15	64QAM	1	0	20.25	20.39	20.22					
15	64QAM	1	37	20.30	20.34	20.27	21	2			
15	64QAM	1	74	20.14	20.22	20.03					
15	64QAM	36	0	19.23	19.27	19.21					
15	64QAM	36	20	19.13	19.14	19.18	20	3			
15	64QAM	36	39	19.22	19.24	19.12					
15	64QAM	75	0	19.18	19.29	19.12					
Channel											
Frequency (MHz)				2674.0	2686.5	2699.0	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	22.03	22.35	22.14	23	0			
10	QPSK	1	25	22.03	22.21	22.16					
10	QPSK	1	49	22.11	22.29	22.00					
10	QPSK	25	0	21.01	21.20	21.12	22	1			
10	QPSK	25	12	21.14	21.24	21.16					
10	QPSK	25	25	21.12	21.12	20.94					
10	QPSK	50	0	20.91	21.14	21.08	22	1			
10	16QAM	1	0	21.24	21.32	21.04					
10	16QAM	1	25	21.16	21.20	21.12					
10	16QAM	1	49	21.07	21.29	20.95	21	2			
10	16QAM	25	0	20.13	20.91	20.06					
10	16QAM	25	12	20.16	20.91	20.04					
10	16QAM	25	25	20.11	20.10	19.93	21	2			
10	16QAM	50	0	20.09	20.16	20.07					
10	64QAM	1	0	20.23	20.19	20.21					
10	64QAM	1	25	20.28	20.17	20.26	21	2			
10	64QAM	1	49	19.96	20.06	20.00					
10	64QAM	25	0	19.21	19.17	19.00					
10	64QAM	25	12	19.08	19.13	19.12	20	3			
10	64QAM	25	25	19.05	19.21	18.95					
10	64QAM	50	0	19.12	19.16	19.13					
Channel											
Frequency (MHz)				2671.5	2686.5	2701.5			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	22.10	22.37	22.18	23	0			
5	QPSK	1	12	22.03	22.18	22.01					
5	QPSK	1	24	21.99	22.12	21.93					
5	QPSK	12	0	21.08	21.22	21.01	22	1			
5	QPSK	12	7	20.95	21.03	21.13					
5	QPSK	12	13	21.21	21.20	20.97					
5	QPSK	25	0	21.07	21.24	20.92	22	1			
5	16QAM	1	0	21.27	21.29	20.94					
5	16QAM	1	12	21.24	21.29	21.12					
5	16QAM	1	24	21.04	21.20	21.08	21	2			
5	16QAM	12	0	20.15	20.14	20.03					
5	16QAM	12	7	20.09	19.97	20.12					
5	16QAM	12	13	20.03	20.10	19.99	21	2			
5	16QAM	25	0	20.06	20.07	20.01					
5	64QAM	1	0	20.17	20.36	20.10					
5	64QAM	1	12	20.24	20.12	20.28	21	2			
5	64QAM	1	24	20.11	20.16	19.93					
5	64QAM	12	0	19.02	19.21	19.21					
5	64QAM	12	7	18.96	19.05	19.02	20	3			
5	64QAM	12	13	19.07	19.10	19.07					
5	64QAM	25	0	19.03	19.08	18.90					
Channel											
Frequency (MHz)				2670.5	2686.5	2702.5			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	22.05	22.32	22.11	23	0			
3	QPSK	1	8	22.12	22.27	22.01					
3	QPSK	1	14	22.05	22.09	21.92					
3	QPSK	8	0	21.03	21.28	21.05	22	1			
3	QPSK	8	4	21.04	21.10	21.14					
3	QPSK	8	7	21.08	21.09	21.00					
3	QPSK	15	0	21.06	21.16	20.95	22	1			
3	16QAM	1	0	21.13	21.19	21.08					
3	16QAM	1	8	21.09	21.26	20.93					
3	16QAM	1	14	20.91	21.32	21.05	21	2			
3	16QAM	8	0	20.01	20.09	20.00					
3	16QAM	8	4	19.92	19.95	19.96					
3	16QAM	8	7	19.92	20.11	20.05	21	2			
3	16QAM	15	0	20.07	20.14	20.15					
3	64QAM	1	0	20.19	20.32	20.16					
3	64QAM	1	8	20.14	20.19	20.14	21	2			
3	64QAM	1	14	20.11	20.08	19.98					
3	64QAM	8	0	19.05	19.25	19.04					
3	64QAM	8	4	19.12	19.00	19.06	20	3			
3	64QAM	8	7	19.05	19.07	19.11					
3	64QAM	15	0	19.00	19.30	18.92					
Channel											
Frequency (MHz)				2669.7	2686.5	2703.3			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	22.17	22.32	21.99	23	0			
1.4	QPSK	1	3	22.24	22.33	21.96					
1.4	QPSK	1	5	22.16	22.21	21.95					
1.4	QPSK	3	0	22.12	22.27	22.05	22	1			
1.4	QPSK	3	1	22.11	22.19	22.16					
1.4	QPSK	3	3	22.06	22.12	22.01					
1.4	QPSK	6	0	20.93	21.22	20.94	22	1			
1.4	16QAM	1	0	20.84	21.02	21.12					
1.4	16QAM	1	3	20.89	20.87	20.97					
1.4	16QAM	1	5	21.04	20.96	20.90	22	1			
1.4	16QAM	3	0	21.08	21.19	20.91					
1.4	16QAM	3	1	20.97	21.17	20.85					
1.4	16QAM	3	3	20.73	21.17	21.01	21	2			
1.4	16QAM	6	0	19.99	20.11	19.91					
1.4	64QAM	1	0	20.05	19.92	20.03					
1.4	64QAM	1	3	20.05	19.95	19.95	21	2			
1.4	64QAM	1	5	19.91	20.09	19.97					
1.4	64QAM	3	0	20.04	20.22	20.11					
1.4	64QAM	3	1	20.10	20.12	20.09	21	2			
1.4	64QAM	3	3	19.96	20.11	19.95					
1.4	64QAM	6	0	18.94	19.13	19.09					

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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				2310					
Frequency (MHz)									
10	QPSK	1	0		15.95		16.5	0	
10	QPSK	1	25		15.84				
10	QPSK	1	49		15.86				
10	QPSK	25	0		15.93		16.5	0	
10	QPSK	25	12		15.91				
10	QPSK	25	25		15.85				
10	QPSK	50	0		15.90		16.5	0	
10	16QAM	1	0		15.91				
10	16QAM	1	25		15.91				
10	16QAM	1	49		15.90		16.5	0	
10	16QAM	25	0		15.90				
10	16QAM	25	12		15.89				
10	16QAM	25	25		15.75		16.5	0	
10	16QAM	50	0		15.88				
10	64QAM	1	0		15.88				
10	64QAM	1	25		15.87		16.5	0	
10	64QAM	1	49		15.77				
10	64QAM	25	0		15.92				
10	64QAM	25	12		15.90		16.5	0	
10	64QAM	25	25		15.87				
10	64QAM	50	0		15.88				
Channel				2768.5	2771.0	2773.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	15.75	15.87	15.83	16.5	0	
5	QPSK	1	24	15.76	15.80	15.86			
5	QPSK	1	12	15.81	15.67	15.77			
5	QPSK	12	0	15.88	15.90	15.87	16.5	0	
5	QPSK	12	7	15.78	15.73	15.71			
5	QPSK	12	13	15.72	15.81	15.79			
5	QPSK	25	0	15.84	15.89	15.87	16.5	0	
5	16QAM	1	0	15.76	15.78	15.83			
5	16QAM	1	12	15.87	15.88	15.78			
5	16QAM	1	24	15.86	15.78	15.84	16.5	0	
5	16QAM	12	0	15.81	15.86	15.72			
5	16QAM	12	7	15.76	15.81	15.78			
5	16QAM	12	13	15.77	15.79	15.69	16.5	0	
5	16QAM	25	0	15.74	15.72	15.88			
5	64QAM	1	0	15.70	15.72	15.79			
5	64QAM	1	12	15.69	15.73	15.74	16.5	0	
5	64QAM	1	24	15.64	15.80	15.75			
5	64QAM	12	0	15.05	15.74	15.80			
5	64QAM	12	7	15.83	15.85	15.83	16.5	0	
5	64QAM	12	13	15.81	15.84	15.80			
5	64QAM	25	0	15.86	15.88	15.86			

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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				133222	133322	133372		
Frequency (MHz)				673	683	690		
20	QPSK	1	0	22.49	22.54	22.43	23	0
20	QPSK	1	49	22.40	22.51	22.39		
20	QPSK	1	99	22.41	22.50	22.36		
20	QPSK	50	0	21.74	21.77	21.72	22	1
20	QPSK	50	24	21.55	21.60	21.68		
20	QPSK	50	50	21.55	21.58	21.44		
20	QPSK	100	0	21.62	21.67	21.60	22	1
20	16QAM	1	0	21.70	21.75	21.64		
20	16QAM	1	49	21.59	21.70	21.57		
20	16QAM	1	99	21.86	21.62	21.67	21	2
20	16QAM	50	0	20.63	20.72	20.65		
20	16QAM	50	24	20.66	20.56	20.58		
20	16QAM	50	50	20.66	20.70	20.35	21	2
20	16QAM	100	0	20.65	20.68	20.52		
20	64QAM	1	0	20.62	20.76	20.70		
20	64QAM	1	49	20.56	20.61	20.48	21	2
20	64QAM	1	99	20.58	20.63	20.59		
20	64QAM	50	0	19.71	19.71	19.69		
20	64QAM	50	24	19.47	19.60	19.63	20	3
20	64QAM	50	50	19.55	19.68	19.38		
20	64QAM	100	0	19.70	19.70	19.65		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.45	22.53	22.30	23	0
15	QPSK	1	37	22.37	22.29	22.21		
15	QPSK	1	74	22.38	22.47	22.29		
15	QPSK	36	0	21.53	21.68	21.71	22	1
15	QPSK	36	20	21.47	21.43	21.47		
15	QPSK	36	39	21.54	21.40	21.35		
15	QPSK	75	0	21.57	21.67	21.39	22	1
15	16QAM	1	0	21.63	21.60	21.51		
15	16QAM	1	37	21.56	21.65	21.37		
15	16QAM	1	74	21.55	21.61	21.63	21	2
15	16QAM	36	0	20.56	20.60	20.43		
15	16QAM	36	20	20.66	20.36	20.48		
15	16QAM	36	39	20.62	20.58	20.43	21	2
15	16QAM	75	0	20.44	20.63	20.46		
15	64QAM	1	0	20.52	20.58	20.68		
15	64QAM	1	37	20.42	20.52	20.34	20	3
15	64QAM	1	74	20.37	20.43	20.51		
15	64QAM	36	0	19.70	19.67	19.55		
15	64QAM	36	20	19.42	19.42	19.46	20	3
15	64QAM	36	39	19.55	19.54	19.38		
15	64QAM	75	0	19.68	19.54	19.63		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	678	693		
10	QPSK	1	0	22.35	22.47	22.28	23	0
10	QPSK	1	25	22.23	22.36	22.40		
10	QPSK	1	49	22.32	22.30	22.15		
10	QPSK	25	0	21.55	21.64	21.50	22	1
10	QPSK	25	12	21.56	21.59	21.46		
10	QPSK	25	25	21.53	21.56	21.39		
10	QPSK	50	0	21.53	21.48	21.42	22	1
10	16QAM	1	0	21.58	21.73	21.46		
10	16QAM	1	25	21.56	21.68	21.40		
10	16QAM	1	49	21.58	21.59	21.54	21	2
10	16QAM	25	0	20.58	20.71	20.50		
10	16QAM	25	12	20.62	20.52	20.48		
10	16QAM	25	25	20.53	20.54	20.41	21	2
10	16QAM	50	0	20.66	20.50	20.52		
10	64QAM	1	0	20.52	20.57	20.51		
10	64QAM	1	25	20.42	20.52	20.38	20	3
10	64QAM	1	49	20.55	20.47	20.46		
10	64QAM	25	0	19.66	19.63	19.47		
10	64QAM	25	12	19.46	19.57	19.56	20	3
10	64QAM	25	25	19.46	19.64	19.38		
10	64QAM	50	0	19.68	19.50	19.51		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	22.37	22.47	22.38	23	0
5	QPSK	1	12	22.37	22.34	22.24		
5	QPSK	1	24	22.29	22.36	22.18		
5	QPSK	12	0	21.60	21.71	21.64	22	1
5	QPSK	12	7	21.37	21.41	21.58		
5	QPSK	12	13	21.47	21.59	21.31		
5	QPSK	25	0	21.47	21.57	21.50	22	1
5	16QAM	1	0	21.69	21.65	21.63		
5	16QAM	1	12	21.52	21.59	21.43		
5	16QAM	1	24	21.63	21.63	21.60	21	2
5	16QAM	12	0	20.62	20.55	20.48		
5	16QAM	12	7	20.61	20.46	20.39		
5	16QAM	12	13	20.54	20.58	20.31	21	2
5	16QAM	25	0	20.57	20.54	20.30		
5	64QAM	1	0	20.50	20.77	20.59		
5	64QAM	1	12	20.37	20.47	20.45	21	2
5	64QAM	1	24	20.44	20.48	20.44		
5	64QAM	12	0	19.69	19.66	19.54		
5	64QAM	12	7	19.29	19.60	19.54	20	3
5	64QAM	12	13	19.44	19.53	19.37		
5	64QAM	25	0	19.63	19.56	19.53		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	19.27	19.36	19.62	19.54	19.51	20.5	0	
20	QPSK	1	49	19.26	19.30	19.57	19.47	19.49			
20	QPSK	1	99	19.25	19.32	19.54	19.42	19.49			
20	QPSK	50	0	18.25	18.32	18.71	18.46	18.47			
20	QPSK	50	24	18.22	18.27	18.57	18.48	18.47	19.5	1	
20	QPSK	50	50	18.24	18.32	18.42	18.43	18.43			
20	QPSK	100	0	18.31	18.42	18.69	18.55	18.55			
20	16QAM	1	0	18.24	18.31	18.64	18.42	18.55			
20	16QAM	1	49	18.25	18.26	18.54	18.52	18.38	19.5	1	
20	16QAM	1	99	18.20	18.29	18.48	18.48	18.44			
20	16QAM	50	0	17.20	17.23	17.62	17.56	17.36			
20	16QAM	50	24	17.16	17.22	17.46	17.44	17.55			
20	16QAM	50	50	17.18	17.18	17.35	17.42	17.34	18.5	2	
20	16QAM	100	0	17.20	17.34	17.70	17.47	17.45			
20	64QAM	1	0	16.80	16.92	17.24	17.10	17.15			
20	64QAM	1	49	16.90	16.89	17.18	17.26	17.00			
20	64QAM	1	99	16.92	16.96	17.17	17.26	17.04	17.5	3	
20	64QAM	50	0	16.28	16.31	16.67	16.42	16.32			
20	64QAM	50	24	16.23	16.17	16.44	16.36	16.42			
20	64QAM	50	50	16.22	16.22	16.37	16.37	16.34			
20	64QAM	100	0	16.25	16.33	16.57	16.38	16.33	Tune-up limit (dBm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.15	19.25	19.57	19.40	19.42			
15	QPSK	1	37	19.17	19.14	19.47	19.38	19.36	20.5	0	
15	QPSK	1	74	19.14	19.21	19.41	19.26	19.40			
15	QPSK	36	0	18.18	18.19	18.63	18.41	18.42			
15	QPSK	36	20	18.15	18.14	18.51	18.32	18.43			
15	QPSK	36	39	18.16	18.24	18.30	18.37	18.37	19.5	1	
15	QPSK	75	0	18.28	18.35	18.53	18.51	18.48			
15	16QAM	1	0	18.08	18.18	18.55	18.29	18.45			
15	16QAM	1	37	18.11	18.22	18.44	18.46	18.32			
15	16QAM	1	74	18.05	18.18	18.40	18.37	18.40	19.5	1	
15	16QAM	36	0	17.05	17.11	17.50	17.45	17.32			
15	16QAM	36	20	17.10	17.16	17.34	17.31	17.52			
15	16QAM	36	39	17.14	17.13	17.22	17.25	17.25			
15	16QAM	75	0	17.05	17.25	17.55	17.39	17.36	18.5	2	
15	64QAM	1	0	16.79	16.85	17.14	16.97	17.03			
15	64QAM	1	37	16.85	16.80	17.07	17.13	16.85			
15	64QAM	1	74	16.79	16.80	17.06	17.12	17.00			
15	64QAM	36	0	16.20	16.17	16.53	16.32	16.17	17.5	3	
15	64QAM	36	20	16.16	16.09	16.32	16.21	16.31			
15	64QAM	36	39	16.19	16.16	16.29	16.31	16.26			
15	64QAM	75	0	16.15	16.19	16.50	16.28	16.30			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	19.11	19.28	19.55	19.42	19.47	20.5	0	
10	QPSK	1	25	19.13	19.20	19.53	19.40	19.37			
10	QPSK	1	49	19.15	19.18	19.38	19.37	19.37			
10	QPSK	25	0	18.17	18.26	18.59	18.39	18.33			
10	QPSK	25	12	18.17	18.21	18.41	18.45	18.33	19.5	1	
10	QPSK	25	25	18.16	18.18	18.38	18.35	18.30			
10	QPSK	50	0	18.27	18.39	18.65	18.46	18.51			
10	16QAM	1	0	18.09	18.26	18.52	18.32	18.47			
10	16QAM	1	25	18.15	18.17	18.42	18.38	18.22	19.5	1	
10	16QAM	1	49	18.13	18.25	18.32	18.34	18.40			
10	16QAM	25	0	17.14	17.14	17.46	17.45	17.22			
10	16QAM	25	12	17.08	17.06	17.31	17.28	17.48			
10	16QAM	25	25	17.06	17.09	17.20	17.39	17.22	18.5	2	
10	16QAM	50	0	17.16	17.28	17.61	17.31	17.33			
10	64QAM	1	0	16.83	16.87	17.18	17.00	17.02			
10	64QAM	1	25	16.84	16.75	17.11	17.17	16.95			
10	64QAM	1	49	16.79	16.79	17.09	17.13	16.87	17.5	3	
10	64QAM	25	0	16.25	16.23	16.55	16.34	16.23			
10	64QAM	25	12	16.14	16.11	16.34	16.22	16.31			
10	64QAM	25	25	16.09	16.10	16.26	16.33	16.18			
10	64QAM	50	0	16.16	16.27	16.43	16.31	16.28	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.16	19.19	19.51	19.45	19.37			
5	QPSK	1	12	19.10	19.19	19.42	19.37	19.34	20.5	0	
5	QPSK	1	24	19.10	19.23	19.43	19.27	19.44			
5	QPSK	12	0	18.15	18.27	18.59	18.34	18.44			
5	QPSK	12	7	18.17	18.15	18.44	18.39	18.33			
5	QPSK	12	13	18.12	18.16	18.39	18.34	18.27	19.5	1	
5	QPSK	25	0	18.16	18.26	18.55	18.41	18.46			
5	16QAM	1	0	18.13	18.27	18.55	18.35	18.50			
5	16QAM	1	12	18.19	18.18	18.50	18.37	18.30			
5	16QAM	1	24	18.14	18.21	18.40	18.42	18.38	19.5	1	
5	16QAM	12	0	17.15	17.18	17.48	17.47	17.32			
5	16QAM	12	7	17.05	17.10	17.42	17.38	17.49			
5	16QAM	12	13	17.12	17.15	17.29	17.30	17.30			
5	16QAM	25	0	17.12	17.24	17.57	17.41	17.40	18.5	2	
5	64QAM	1	0	16.86	16.82	17.15	17.05	17.12			
5	64QAM	1	12	16.74	16.74	17.02	17.12	16.93			
5	64QAM	1	24	16.76	16.85	17.06	17.22	16.90			
5	64QAM	12	0	16.20	16.21	16.52	16.38	16.27	17.5	3	
5	64QAM	12	7	16.07	16.04	16.40	16.24	16.33			
5	64QAM	12	13	16.14	16.16	16.32	16.30	16.22			
5	64QAM	25	0	16.08	16.25	16.47	16.32	16.16			

Band 41 HPUE ECI6 Ant4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.00	22.02	22.42	22.34	22.38	23.5	0	
20	QPSK	1	49	22.01	22.10	22.37	22.22	22.24			
20	QPSK	1	99	22.09	22.10	22.41	22.15	22.19			
20	QPSK	50	0	21.06	21.11	21.53	21.19	21.36			
20	QPSK	50	24	21.04	21.07	21.28	21.11	21.26	22.5	1	
20	QPSK	50	50	21.04	21.05	21.40	21.21	21.23			
20	QPSK	100	0	21.19	21.19	21.53	21.31	21.44			
20	16QAM	1	0	21.06	20.99	21.28	21.28	21.33			
20	16QAM	1	49	20.98	21.06	21.41	21.17	21.31	22.5	1	
20	16QAM	1	99	20.99	21.01	21.26	21.29	21.13			
20	16QAM	50	0	20.96	20.96	20.96	20.96	20.21			
20	16QAM	50	24	20.02	20.13	20.39	20.04	20.36			
20	16QAM	50	50	20.03	20.05	20.26	20.14	20.22	21.5	2	
20	16QAM	100	0	20.20	20.29	20.54	20.39	20.47			
20	64QAM	1	0	19.86	19.86	20.07	20.17	20.18			
20	64QAM	1	49	19.84	19.74	20.17	19.98	20.22			
20	64QAM	1	99	19.87	19.83	20.10	20.06	19.84	21.5	2	
20	64QAM	50	0	19.11	19.12	19.36	19.21	19.27			
20	64QAM	50	24	19.07	19.04	19.31	19.03	19.34			
20	64QAM	50	50	19.10	19.10	19.31	19.22	19.31			
20	64QAM	100	0	19.14	19.17	19.38	19.28	19.37	20.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	21.96	21.92	22.38	22.27	22.31	23.5	0	
15	QPSK	1	37	21.95	21.95	22.23	22.11	22.11			
15	QPSK	1	74	21.98	21.94	22.36	22.08	22.08			
15	QPSK	36	0	21.09	21.09	21.42	21.06	21.19			
15	QPSK	36	20	21.09	21.08	21.13	21.07	21.14	22.5	1	
15	QPSK	36	39	21.00	21.02	21.24	21.05	21.07			
15	QPSK	75	0	21.06	21.12	21.36	21.23	21.32			
15	16QAM	1	0	20.92	20.94	21.13	21.12	21.20			
15	16QAM	1	37	20.90	20.98	21.25	21.02	21.25	22.5	1	
15	16QAM	1	74	20.90	20.90	21.19	21.24	21.00			
15	16QAM	36	0	19.83	20.01	20.19	20.07	20.16			
15	16QAM	36	20	19.97	19.96	20.23	19.99	20.22			
15	16QAM	36	39	19.87	20.01	20.19	20.10	20.14	21.5	2	
15	16QAM	75	0	20.12	20.20	20.43	20.28	20.41			
15	64QAM	1	0	19.72	19.70	19.98	20.10	20.06			
15	64QAM	1	37	19.71	19.77	20.00	19.97	20.07			
15	64QAM	1	74	19.73	19.79	20.00	19.96	19.77	21.5	2	
15	64QAM	36	0	18.99	19.02	19.20	19.10	19.10			
15	64QAM	36	20	18.94	18.98	19.28	18.89	19.28			
15	64QAM	36	39	18.94	18.98	19.28	19.12	19.26			
15	64QAM	75	0	18.98	19.10	19.22	19.12	19.28	20.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.90	21.97	22.36	22.25	22.21	23.5	0	
10	QPSK	1	25	21.95	21.95	22.21	22.06	22.09			
10	QPSK	1	49	22.01	21.99	22.30	22.01	22.10			
10	QPSK	25	0	21.01	20.96	21.43	21.13	21.32			
10	QPSK	25	12	20.98	20.99	21.21	20.97	21.10	22.5	1	
10	QPSK	25	25	20.96	20.99	21.27	21.07	21.07			
10	QPSK	50	0	21.05	21.12	21.42	21.23	21.41			
10	16QAM	1	0	20.95	20.87	21.18	21.18	21.22			
10	16QAM	1	25	20.85	21.03	21.19	21.13	21.19	22.5	1	
10	16QAM	1	49	20.94	20.96	21.13	21.17	20.98			
10	16QAM	25	0	19.81	20.02	20.12	20.01	20.07			
10	16QAM	25	12	19.91	19.97	20.22	19.89	20.29			
10	16QAM	25	25	19.93	19.92	20.23	20.05	20.10	21.5	2	
10	16QAM	50	0	20.11	20.21	20.43	20.33	20.36			
10	64QAM	1	0	19.77	19.78	19.97	20.06	20.06			
10	64QAM	1	25	19.78	19.67	20.12	19.90	20.10			
10	64QAM	1	49	19.73	19.74	20.06	20.00	19.77	21.5	2	
10	64QAM	25	0	18.96	19.02	19.30	19.07	19.13			
10	64QAM	25	12	19.04	18.91	19.15	18.89	19.18			
10	64QAM	25	25	18.96	19.00	19.16	19.14	19.19			
10	64QAM	50	0	19.00	19.10	19.31	19.18	19.24	20.5	3	
Channel				39675	40130	40620	41053	41505			
Frequency (MHz)				2498.5	2543.8	2593	2640.30	2687.5			
5	QPSK	1	0	21.91	21.95	22.38	22.27	22.27	23.5	0	
5	QPSK	1	12	21.89	21.99	22.29	22.07	22.13			
5	QPSK	1	24	22.04	21.95	22.25	21.98	22.03			
5	QPSK	12	0	20.89	21.01	21.39	21.13	21.26			
5	QPSK	12	7	20.94	20.93	21.25	20.99	21.16	22.5	1	
5	QPSK	12	13	20.95	20.94	21.29	21.13	21.13			
5	QPSK	25	0	21.15	21.06	21.43	21.18	21.40			
5	16QAM	1	0	20.91	20.95	21.17	21.19	21.24			
5	16QAM	1	12	20.91	21.01	21.37	21.02	21.21	22.5	1	
5	16QAM	1	24	20.91	20.92	21.18	21.17	20.97			
5	16QAM	12	0	19.90	20.03	20.16	20.08	20.16			
5	16QAM	12	7	19.97	20.06	20.24	19.89	20.38			
5	16QAM	12	13	19.99	19.90	20.17	20.09	20.18	21.5	2	
5	16QAM	25	0	20.16	20.14	20.27	20.27	20.33			
5	64QAM	1	0	19.77	19.81	19.92	20.11	20.10			
5	64QAM	1	12	19.71	19.77	20.03	19.94	20.10			
5	64QAM	1	24	19.80	19.76	20.03	19.96	19.78	21.5	2	
5	64QAM	12	0	19.06	18.95	19.26	19.13	19.13			
5	64QAM	12	7	18.94	18.93	19.19	18.96	19.29			
5	64QAM	12	13	18.94	18.94	19.22	19.17	19.22			
5	64QAM	25	0	19.05	19.05	19.30	19.13	19.32	20.5	3	
Channel				39650	40105	40620	41028	41483			
Frequency (MHz)				2496	2541.5	2593	2640.30	2687.5			

Band 48_FCC ECI6 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.42	20.55	20.43	20.53	22	0
20	QPSK	1	49	20.24	20.49	20.31	20.39		
20	QPSK	1	99	20.13	20.48	20.26	20.33		
20	QPSK	50	0	20.51	20.54	20.51	20.43		
20	QPSK	50	24	20.33	20.51	20.34	20.46	22	0
20	QPSK	50	50	20.26	20.45	20.21	20.22		
20	QPSK	100	0	20.48	20.51	20.49	20.40		
20	16QAM	1	0	20.28	20.47	20.44	20.46		
20	16QAM	1	49	20.42	20.52	20.24	20.39	22	0
20	16QAM	1	99	20.30	20.51	20.35	20.24		
20	16QAM	50	0	20.50	20.48	20.40	20.26		
20	16QAM	50	24	20.46	20.48	20.36	20.34		
20	16QAM	50	50	20.19	20.50	20.25	20.28	22	0
20	16QAM	100	0	20.39	20.45	20.38	20.31		
20	64QAM	1	0	20.09	20.22	20.10	20.05		
20	64QAM	1	49	20.07	20.25	20.09	20.15		
20	64QAM	1	99	20.02	20.28	20.06	20.00	21	1
20	64QAM	50	0	19.58	19.46	19.48	19.24		
20	64QAM	50	24	19.54	19.43	19.32	19.28		
20	64QAM	50	50	19.23	19.58	19.16	19.31		
20	64QAM	100	0	19.30	19.42	19.37	19.30		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	22	0
15	QPSK	1	0	20.40	20.54	20.45	20.40		
15	QPSK	1	37	20.25	20.50	20.24	20.36		
15	QPSK	1	74	20.19	20.51	20.28	20.34		
15	QPSK	36	0	20.44	20.51	20.47	20.40	22	0
15	QPSK	36	20	20.41	20.52	20.29	20.37		
15	QPSK	36	39	20.31	20.44	20.24	20.29		
15	QPSK	75	0	20.31	20.51	20.39	20.39		
15	16QAM	1	0	20.29	20.44	20.49	20.45	22	0
15	16QAM	1	37	20.39	20.50	20.30	20.41		
15	16QAM	1	74	20.24	20.42	20.31	20.28		
15	16QAM	36	0	20.37	20.32	20.47	20.13		
15	16QAM	36	20	20.47	20.47	20.38	20.17	22	0
15	16QAM	36	39	20.20	20.32	20.11	20.08		
15	16QAM	75	0	20.20	20.25	20.27	20.22		
15	64QAM	1	0	20.13	20.23	20.10	20.09		
15	64QAM	1	37	20.06	20.25	20.01	20.22	21	1
15	64QAM	1	74	20.16	20.35	20.08	20.09		
15	64QAM	36	0	19.49	19.26	19.40	19.22		
15	64QAM	36	20	19.56	19.43	19.32	19.08		
15	64QAM	36	39	19.08	19.54	19.11	19.30		
15	64QAM	75	0	19.13	19.31	19.18	19.14		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	22	0
10	QPSK	1	0	20.41	20.50	20.50	20.44		
10	QPSK	1	25	20.28	20.46	20.25	20.32		
10	QPSK	1	49	20.26	20.50	20.30	20.30		
10	QPSK	25	0	20.46	20.52	20.51	20.39	22	0
10	QPSK	25	12	20.30	20.52	20.34	20.41		
10	QPSK	25	25	20.21	20.47	20.21	20.27		
10	QPSK	50	0	20.28	20.45	20.43	20.37		
10	16QAM	1	0	20.29	20.48	20.37	20.41	22	0
10	16QAM	1	25	20.30	20.50	20.20	20.40		
10	16QAM	1	49	20.32	20.51	20.35	20.25		
10	16QAM	25	0	20.38	20.50	20.38	20.25		
10	16QAM	25	12	20.34	20.40	20.22	20.22	22	0
10	16QAM	25	25	20.10	20.43	20.22	20.15		
10	16QAM	50	0	20.38	20.27	20.30	20.13		
10	64QAM	1	0	20.15	20.26	20.19	20.05		
10	64QAM	1	25	20.11	20.22	20.16	20.11	21	1
10	64QAM	1	49	20.11	20.28	20.13	20.03		
10	64QAM	25	0	19.46	19.35	19.46	19.22		
10	64QAM	25	12	19.51	19.43	19.32	19.11		
10	64QAM	25	25	19.10	19.41	19.15	19.33	21	1
10	64QAM	50	0	19.32	19.37	19.30	19.28		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5	22	0
5	QPSK	1	0	20.42	20.52	20.49	20.46		
5	QPSK	1	12	20.26	20.42	20.24	20.38		
5	QPSK	1	24	20.18	20.43	20.28	20.29		
5	QPSK	12	0	20.50	20.50	20.46	20.40	22	0
5	QPSK	12	7	20.42	20.46	20.33	20.33		
5	QPSK	12	13	20.29	20.45	20.13	20.22		
5	QPSK	25	0	20.31	20.39	20.42	20.43		
5	16QAM	1	0	20.24	20.50	20.46	20.43	22	0
5	16QAM	1	12	20.29	20.51	20.34	20.34		
5	16QAM	1	24	20.31	20.51	20.42	20.20		
5	16QAM	12	0	20.47	20.34	20.41	20.19		
5	16QAM	12	7	20.28	20.31	20.37	20.21	22	0
5	16QAM	12	13	20.19	20.34	20.18	20.17		
5	16QAM	25	0	20.18	20.32	20.38	20.26		
5	64QAM	1	0	20.05	20.09	20.01	20.16		
5	64QAM	1	12	20.06	20.11	20.01	20.09	22	0
5	64QAM	1	24	20.04	20.29	20.04	20.01		
5	64QAM	12	0	19.51	19.26	19.46	19.07		
5	64QAM	12	7	19.54	19.38	19.19	19.28		
5	64QAM	12	13	19.18	19.36	19.07	19.20	21	1
5	64QAM	25	0	19.27	19.41	19.15	19.15		

Band 41 ECI6 Ant7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.02	20.20	20.44	20.25	20.34	21.5	0	
20	QPSK	1	49	20.03	20.13	20.43	20.04	20.31			
20	QPSK	1	99	20.01	20.11	20.36	20.12	20.34			
20	QPSK	50	0	18.91	19.21	19.36	19.27	19.32			
20	QPSK	50	24	19.10	19.20	19.35	19.12	19.31	20.5	1	
20	QPSK	50	50	19.11	19.09	19.31	19.23	19.34			
20	QPSK	100	0	19.08	19.23	19.33	19.29	19.27			
20	16QAM	1	0	18.88	18.99	19.31	19.06	19.15			
20	16QAM	1	49	19.02	19.03	19.23	19.03	19.15	20.5	1	
20	16QAM	1	99	18.99	19.09	19.28	19.07	19.15			
20	16QAM	50	0	18.11	18.27	18.39	18.10	18.34			
20	16QAM	50	24	18.06	18.30	18.27	18.03	18.23			
20	16QAM	50	50	18.19	18.15	18.33	18.14	18.46	19.5	2	
20	16QAM	100	0	18.08	18.32	18.34	18.19	18.30			
20	64QAM	1	0	17.52	17.59	17.84	17.63	17.73			
20	64QAM	1	49	17.57	17.73	17.87	17.54	17.70			
20	64QAM	1	99	17.62	17.68	17.82	17.70	17.81	18.5	3	
20	64QAM	50	0	17.14	17.23	17.32	17.05	17.34			
20	64QAM	50	24	17.17	17.38	17.34	17.19	17.32			
20	64QAM	50	50	17.27	17.18	17.27	17.08	17.44			
20	64QAM	100	0	17.04	17.38	17.30	17.29	17.27	Tune-up limit (dBm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.03	20.14	20.41	20.31	20.34			
15	QPSK	1	37	20.00	20.06	20.37	19.95	20.30	21.5	0	
15	QPSK	1	74	20.02	20.11	20.38	20.00	20.27			
15	QPSK	36	0	18.82	19.10	19.23	18.19	18.14			
15	QPSK	36	20	18.97	19.03	19.28	18.98	19.11			
15	QPSK	36	39	19.11	19.04	19.14	19.03	19.28	20.5	1	
15	QPSK	75	0	18.95	19.16	19.32	19.08	19.09			
15	16QAM	1	0	18.84	18.93	19.28	19.01	18.95			
15	16QAM	1	37	19.02	18.97	19.08	18.82	19.16			
15	16QAM	1	74	18.92	19.01	19.20	18.93	18.94	19.5	2	
15	16QAM	36	0	18.06	18.25	18.23	17.95	18.16			
15	16QAM	36	20	17.86	18.32	18.28	17.98	18.21			
15	16QAM	36	39	17.99	18.12	18.17	18.02	18.35			
15	16QAM	75	0	17.88	18.21	18.20	18.04	18.16	19.5	2	
15	64QAM	1	0	17.58	17.63	17.65	17.68	17.60			
15	64QAM	1	37	17.58	17.63	17.76	17.66	17.67			
15	64QAM	1	74	17.50	17.66	17.73	17.69	17.65			
15	64QAM	36	0	17.05	17.07	17.15	17.00	17.21	18.5	3	
15	64QAM	36	20	17.05	17.22	17.21	17.04	17.15			
15	64QAM	36	39	17.15	17.16	17.06	16.97	17.15			
15	64QAM	75	0	16.91	17.18	17.10	17.17	17.22			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.01	20.12	20.42	20.39	20.25	21.5	0	
10	QPSK	1	25	20.01	20.06	20.35	20.04	20.20			
10	QPSK	1	49	19.96	20.08	20.37	19.92	20.20			
10	QPSK	25	0	18.83	19.20	19.29	19.08	19.18			
10	QPSK	25	12	19.02	19.14	19.20	18.99	19.31	20.5	1	
10	QPSK	25	25	19.96	19.91	19.25	19.09	19.19			
10	QPSK	50	0	18.88	19.14	19.19	19.21	19.22			
10	16QAM	1	0	18.71	18.90	19.10	18.98	19.10			
10	16QAM	1	25	18.81	18.92	19.18	18.99	19.00	20.5	1	
10	16QAM	1	49	18.96	19.06	19.07	18.88	19.03			
10	16QAM	25	0	17.92	18.26	18.39	18.07	18.35			
10	16QAM	25	12	18.03	18.28	18.07	17.92	18.01			
10	16QAM	25	25	18.11	18.12	18.34	18.00	18.35	19.5	2	
10	16QAM	50	0	17.92	18.18	18.31	18.07	18.25			
10	64QAM	1	0	17.60	17.68	17.70	17.54	17.52			
10	64QAM	1	25	17.57	17.67	17.85	17.56	17.59			
10	64QAM	1	49	17.63	17.67	17.81	17.59	17.65	18.5	3	
10	64QAM	25	0	17.12	17.16	17.20	17.04	17.23			
10	64QAM	25	12	17.06	17.37	17.24	17.15	17.20			
10	64QAM	25	25	17.08	17.20	17.11	16.99	17.35			
10	64QAM	50	0	17.06	17.22	17.24	17.30	17.25	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.96	20.11	20.35	20.15	20.16			
5	QPSK	1	12	19.99	19.91	20.32	19.97	20.26	21.5	0	
5	QPSK	1	24	19.90	19.96	20.31	19.96	20.21			
5	QPSK	12	0	18.87	19.04	19.19	19.13	19.15			
5	QPSK	12	7	18.89	19.03	19.29	19.04	19.24			
5	QPSK	12	13	18.93	19.07	19.18	19.16	19.17	20.5	1	
5	QPSK	25	0	19.07	19.13	19.17	19.17	19.12			
5	16QAM	1	0	18.84	18.95	19.30	18.96	19.02			
5	16QAM	1	12	18.88	18.89	19.07	18.97	18.94			
5	16QAM	1	24	19.01	19.04	19.09	18.98	19.09	19.5	2	
5	16QAM	12	0	18.05	18.25	18.25	18.00	18.19			
5	16QAM	12	7	18.02	18.21	18.29	17.83	18.23			
5	16QAM	12	13	18.08	18.03	18.13	18.07	18.26			
5	16QAM	25	0	17.85	18.12	18.32	18.12	18.17	19.5	2	
5	64QAM	1	0	17.50	17.51	17.73	17.52	17.60			
5	64QAM	1	12	17.52	17.51	17.83	17.54	17.58			
5	64QAM	1	24	17.56	17.53	17.78	17.62	17.74			
5	64QAM	12	0	17.09	17.04	17.29	16.91	17.23	18.5	3	
5	64QAM	12	7	17.07	17.27	17.13	17.11	17.25			
5	64QAM	12	13	17.25	17.06	17.15	16.99	17.35			
5	64QAM	25	0	16.88	17.20	17.17	17.24	17.27			

Band 41 HPUE ECI6 Ant7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.14	23.22	23.37	23.29	23.34	24.5	0	
20	QPSK	1	49	23.04	23.07	23.33	23.22	23.24			
20	QPSK	1	99	22.95	23.23	23.31	23.16	23.21			
20	QPSK	50	0	22.31	22.35	22.52	22.29	22.35			
20	QPSK	50	24	22.11	22.09	22.36	22.35	22.37	23.5	1	
20	QPSK	50	50	22.10	22.32	22.43	22.26	22.32			
20	QPSK	100	0	22.12	22.21	22.47	22.24	22.31			
20	16QAM	1	0	22.25	22.31	22.55	22.45	22.64			
20	16QAM	1	49	22.22	22.29	22.52	22.42	22.38	23.5	1	
20	16QAM	1	99	22.25	22.31	22.45	22.46	22.53			
20	16QAM	50	0	21.26	21.24	21.55	21.39	21.30			
20	16QAM	50	24	21.11	21.06	21.40	21.27	21.33			
20	16QAM	50	50	21.17	21.40	21.32	21.22	21.21	22.5	2	
20	16QAM	100	0	21.20	21.19	21.46	21.31	21.30			
20	64QAM	1	0	21.04	21.17	21.30	21.33	21.46			
20	64QAM	1	49	21.07	21.03	21.24	21.33	21.14			
20	64QAM	1	99	21.06	21.28	21.27	21.25	21.15	22.5	2	
20	64QAM	50	0	20.39	20.39	20.67	20.27	20.38			
20	64QAM	50	24	20.23	20.39	20.56	20.33	20.43			
20	64QAM	50	50	20.27	20.42	20.51	20.35	20.25			
20	64QAM	100	0	20.33	20.21	20.62	20.18	20.38	21.5	3	
Channel				39725	40173	40620	41088	41515			
Frequency (MHz)				2503.5	2547.5	2593	2637.5	2682.5			
15	QPSK	1	0	23.07	23.19	23.29	23.31	23.27	24.5	0	
15	QPSK	1	37	23.03	23.01	23.34	23.05	23.08			
15	QPSK	1	74	23.05	23.09	23.10	23.14	23.21			
15	QPSK	36	0	22.13	22.22	22.34	22.12	22.23			
15	QPSK	36	20	22.00	22.01	22.26	22.20	22.25	23.5	1	
15	QPSK	36	39	21.96	22.27	22.39	22.25	22.21			
15	QPSK	75	0	22.13	22.02	22.35	22.04	22.24			
15	16QAM	1	0	22.14	22.18	22.39	22.45	22.55			
15	16QAM	1	37	22.22	22.13	22.41	22.19	22.34	23.5	1	
15	16QAM	1	74	22.09	22.25	22.43	22.28	22.34			
15	16QAM	36	0	21.04	21.07	21.38	21.30	21.25			
15	16QAM	36	20	20.98	21.04	21.33	21.17	21.24			
15	16QAM	36	39	21.00	21.18	21.18	21.16	21.17	22.5	2	
15	16QAM	75	0	21.03	21.03	21.27	21.31	21.29			
15	64QAM	1	0	21.02	21.04	21.16	21.30	21.43			
15	64QAM	1	37	21.07	21.02	21.14	21.21	21.04			
15	64QAM	1	74	21.02	21.06	21.11	21.20	21.10	22.5	2	
15	64QAM	36	0	20.36	20.35	20.54	20.27	20.29			
15	64QAM	36	20	20.20	20.05	20.46	20.30	20.28			
15	64QAM	36	39	20.10	20.33	20.49	20.29	20.25			
15	64QAM	75	0	20.13	20.22	20.42	20.02	20.33	21.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.07	23.18	23.29	23.13	23.33	24.5	0	
10	QPSK	1	25	22.95	22.93	23.27	23.23	23.22			
10	QPSK	1	49	22.91	23.24	23.21	23.00	23.13			
10	QPSK	25	0	22.25	22.16	22.30	22.29	22.33			
10	QPSK	25	12	22.05	22.12	22.37	22.30	22.21	23.5	1	
10	QPSK	25	25	22.06	22.12	22.44	22.12	22.20			
10	QPSK	50	0	21.92	22.16	22.30	22.10	22.32			
10	16QAM	1	0	22.17	22.25	22.44	22.38	22.45			
10	16QAM	1	25	22.18	22.09	22.54	22.36	22.24	23.5	1	
10	16QAM	1	49	22.25	22.28	22.28	22.43	22.31			
10	16QAM	25	0	21.16	21.05	21.40	21.25	21.22			
10	16QAM	25	12	21.02	20.90	21.29	21.27	21.34			
10	16QAM	25	25	21.17	21.22	21.21	21.09	21.19	22.5	2	
10	16QAM	50	0	21.22	20.99	21.45	21.29	21.32			
10	64QAM	1	0	20.99	21.11	21.24	21.34	21.28			
10	64QAM	1	25	21.00	20.92	21.09	21.30	21.10			
10	64QAM	1	49	20.91	21.18	21.12	21.14	21.05	22.5	2	
10	64QAM	25	0	20.17	20.26	20.66	20.24	20.31			
10	64QAM	25	12	20.18	20.30	20.56	20.24	20.36			
10	64QAM	25	25	20.24	20.30	20.58	20.21	20.26			
10	64QAM	50	0	20.31	20.45	20.62	20.19	20.17	21.5	3	
Channel				39675	40135	40620	41060	41565			
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5			
5	QPSK	1	0	23.11	23.04	23.23	23.13	23.23	24.5	0	
5	QPSK	1	12	22.91	23.02	23.14	23.05	23.19			
5	QPSK	1	24	22.76	23.02	23.09	23.17	23.06			
5	QPSK	12	0	22.32	22.34	22.35	22.16	22.13			
5	QPSK	12	7	22.05	22.10	22.35	22.21	22.23	23.5	1	
5	QPSK	12	13	21.95	22.18	22.27	22.06	22.32			
5	QPSK	25	0	21.95	22.10	22.43	22.16	22.16			
5	16QAM	1	0	22.11	22.26	22.26	22.39	22.43			
5	16QAM	1	12	22.14	22.14	22.42	22.28	22.34	23.5	1	
5	16QAM	1	24	22.13	22.20	22.33	22.36	22.41			
5	16QAM	12	0	21.05	21.15	21.41	21.38	21.23			
5	16QAM	12	7	20.95	20.91	21.25	21.15	21.27			
5	16QAM	12	13	21.06	21.22	21.02	21.09	21.19	22.5	2	
5	16QAM	25	0	21.19	21.01	21.42	21.10	21.24			
5	64QAM	1	0	20.95	21.05	21.12	21.18	21.33			
5	64QAM	1	12	20.91	21.02	21.15	21.32	21.16			
5	64QAM	1	24	20.99	21.16	21.28	21.15	20.93	22.5	2	
5	64QAM	12	0	20.18	20.20	20.52	20.08	20.34			
5	64QAM	12	7	20.16	20.07	20.39	20.19	20.38			
5	64QAM	12	13	20.18	20.37	20.38	20.36	20.25			
5	64QAM	25	0	20.16	20.17	20.60	20.21	20.32	21.5	3	
Channel				39650	40110	40620	41040	41555			
Frequency (MHz)				2496	2542	2593	2636	2682			

ECI7 Power

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM1 Tx slot	28.12	28.23	28.02	29.00	19.12	19.23	19.02	20.00
GPRS 1 Tx slot	27.99	28.01	27.94	29.00	18.99	19.01	18.94	20.00
GPRS 2 Tx slots	28.92	26.97	26.99	28.00	20.92	20.97	20.99	22.00
GPRS 3 Tx slots	24.88	24.95	24.90	26.00	20.62	20.69	20.64	21.74
GPRS 4 Tx slots	23.70	23.81	23.74	25.00	20.70	20.81	20.74	22.00
EDGE 1 Tx slot	21.72	21.77	21.67	23.00	12.72	12.77	12.67	14.00
EDGE 2 Tx slots	20.59	20.76	20.56	21.50	14.59	14.76	14.56	15.50
EDGE 3 Tx slots	18.42	18.37	18.43	19.50	14.16	14.11	14.17	15.24
EDGE 4 Tx slots	17.01	17.01	16.99	18.00	14.01	14.01	13.99	15.00

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GSM1 Tx slot	20.02	20.18	20.04	20.50	11.02	11.18	11.04	11.50
GPRS 1 Tx slot	20.14	20.14	19.99	20.50	11.14	11.14	10.99	11.50
GPRS 2 Tx slots	19.31	19.37	19.04	19.50	13.31	13.37	13.04	13.50
GPRS 3 Tx slots	17.23	17.32	16.95	18.00	12.97	13.06	12.69	13.74
GPRS 4 Tx slots	16.05	16.22	15.96	16.50	13.05	13.22	12.96	13.50
EDGE 1 Tx slot	15.83	15.79	15.53	17.00	6.83	6.79	6.53	8.00
EDGE 2 Tx slots	14.73	14.69	14.58	16.00	8.73	8.69	8.58	10.00
EDGE 3 Tx slots	12.73	12.62	12.52	14.00	8.47	8.56	8.26	9.74
EDGE 4 Tx slots	11.24	11.37	11.30	12.50	8.24	8.37	8.30	9.50

Band	WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)	1824	1860	1907.8	(dBm)	1712.4	1732.6	1752.6	(dBm)	2266.4	2304.4	2416.6	(dBm)	
3GPP Rel 99	ASR 12.2Kbps	12.66	12.98	12.97	14.50	14.40	14.43	14.39	16.00	20.18	20.19	20.05	21.50
3GPP Rel 99	RMC 12.2Kbps	12.66	12.98	12.99	14.50	14.50	14.43	14.36	16.00	20.12	20.20	20.07	21.50
3GPP Rel 6	HSDPA Subtest-1	11.85	11.98	11.82	13.50	13.52	13.55	13.26	15.00	19.09	19.23	18.96	20.50
3GPP Rel 6	HSDPA Subtest-2	11.87	11.96	12.03	13.50	13.36	13.52	13.42	15.00	19.04	19.26	19.10	20.50
3GPP Rel 6	HSDPA Subtest-3	11.22	11.46	11.24	13.00	12.96	13.04	12.88	14.50	18.61	18.63	18.66	20.00
3GPP Rel 6	HSDPA Subtest-4	11.40	11.41	11.55	13.00	13.04	12.99	12.74	14.50	18.74	18.73	18.57	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	11.69	12.05	11.84	13.50	13.38	13.42	13.40	15.00	19.24	19.28	19.09	20.55
3GPP Rel 8	DC-HSDPA Subtest-2	11.80	11.86	11.98	13.50	13.51	13.66	13.36	15.00	19.30	19.34	19.14	20.55
3GPP Rel 8	DC-HSDPA Subtest-3	11.10	11.48	11.09	13.00	12.95	13.03	12.89	14.50	18.71	18.70	18.59	20.05
3GPP Rel 8	DC-HSDPA Subtest-4	11.20	11.26	11.49	13.00	13.04	12.96	12.83	14.50	18.69	18.75	18.54	20.05
3GPP Rel 6	HSUPA Subtest-1	11.74	11.89	11.62	13.50	13.45	13.55	13.22	15.00	19.11	19.20	19.26	20.50
3GPP Rel 6	HSUPA Subtest-2	9.83	9.92	9.88	11.50	11.58	11.58	11.34	13.00	17.07	17.25	17.04	18.50
3GPP Rel 6	HSUPA Subtest-3	10.84	11.12	10.97	12.50	12.47	12.35	12.39	14.00	18.17	18.27	18.26	19.50
3GPP Rel 6	HSUPA Subtest-4	9.81	9.99	10.05	11.50	11.43	11.39	11.27	13.00	17.07	17.13	17.00	18.50
3GPP Rel 6	HSUPA Subtest-5	11.63	11.90	11.82	13.50	13.54	13.61	13.29	15.00	19.24	19.25	19.10	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	9.35	9.50	9.43	11.00	10.98	11.10	10.69	12.50	16.60	16.59	16.56	18.00

Band 2 Ant0									
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				18700	18900	19100			
Frequency (MHz)				1660	1680	1900			
20	QPSK	1	0	13.09	13.27	13.08	14.5	0	
20	QPSK	1	49	13.05	13.00	13.04			
20	QPSK	1	99	12.81	12.96	12.91			
20	QPSK	50	0	12.99	13.07	12.96			
20	QPSK	50	24	12.88	13.01	12.87	14.5	0	
20	QPSK	50	50	12.99	13.01	12.96			
20	QPSK	100	0	12.97	13.07	13.02			
20	16QAM	1	0	12.91	13.06	12.85			
20	16QAM	1	49	12.87	12.90	12.87	14.5	0	
20	16QAM	1	99	12.73	12.89	12.80			
20	16QAM	50	0	12.62	12.91	12.76			
20	16QAM	50	24	12.89	12.91	12.85			
20	16QAM	50	50	12.82	12.96	12.79	14.5	0	
20	16QAM	100	0	12.79	12.85	12.80			
20	16QAM	1	0	12.80	12.88	12.74			
20	16QAM	1	49	12.79	12.90	12.82			
20	16QAM	1	99	12.81	12.89	12.71	14.5	0	
20	16QAM	50	0	12.71	12.78	12.68			
20	16QAM	50	24	12.72	12.81	12.62			
20	16QAM	50	50	12.64	12.78	12.66			
20	16QAM	100	0	12.52	12.64	12.54	14.5	0	
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	13.10	13.11	13.09	14.5	0	
15	QPSK	1	37	13.02	13.07	13.01			
15	QPSK	1	74	12.83	13.04	12.96			
15	QPSK	36	0	12.98	13.08	12.96			
15	QPSK	36	20	12.91	13.03	12.88	14.5	0	
15	QPSK	36	39	13.00	13.05	12.97			
15	QPSK	75	0	12.96	13.12	13.06			
15	16QAM	1	0	12.88	13.05	12.88			
15	16QAM	1	37	12.89	12.88	12.93	14.5	0	
15	16QAM	1	74	12.77	12.87	12.77			
15	16QAM	36	0	12.71	12.85	12.70			
15	16QAM	36	20	12.86	12.92	12.82			
15	16QAM	36	39	12.84	12.94	12.84	14.5	0	
15	16QAM	75	0	12.76	12.84	12.73			
15	16QAM	1	0	12.77	12.89	12.72			
15	16QAM	1	37	12.79	12.83	12.77			
15	16QAM	1	74	12.79	12.82	12.69	14.5	0	
15	16QAM	36	0	12.71	12.83	12.68			
15	16QAM	36	20	12.77	12.75	12.59			
15	16QAM	36	39	12.65	12.76	12.66			
15	16QAM	75	0	12.52	12.69	12.54	14.5	0	
Channel				18650	18900	19105			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	13.11	13.19	13.07	14.5	0	
10	QPSK	1	25	13.04	13.04	13.04			
10	QPSK	1	49	12.86	12.94	12.95			
10	QPSK	25	0	13.01	13.07	12.93			
10	QPSK	25	12	12.87	13.00	12.85	14.5	0	
10	QPSK	25	25	13.07	13.09	12.95			
10	QPSK	50	0	13.02	13.12	12.99			
10	16QAM	1	0	12.92	12.97	12.88			
10	16QAM	1	25	12.81	12.93	12.88	14.5	0	
10	16QAM	1	49	12.72	12.91	12.81			
10	16QAM	25	0	12.66	12.78	12.73			
10	16QAM	25	12	12.86	12.97	12.86			
10	16QAM	25	25	12.81	12.84	12.75	14.5	0	
10	16QAM	1	0	12.80	12.88	12.77			
10	16QAM	1	25	12.76	12.88	12.77			
10	16QAM	1	49	12.80	12.82	12.68			
10	16QAM	25	0	12.73	12.81	12.66	14.5	0	
10	16QAM	25	12	12.67	12.74	12.68			
10	16QAM	25	25	12.62	12.77	12.66			
10	16QAM	50	0	12.51	12.63	12.53			
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	13.12	13.14	13.07	14.5	0	
5	QPSK	1	12	13.03	13.08	13.00			
5	QPSK	1	24	12.81	13.00	12.86			
5	QPSK	12	0	13.06	13.12	12.99			
5	QPSK	12	7	12.92	13.06	12.83	14.5	0	
5	QPSK	12	13	13.00	13.04	12.98			
5	QPSK	25	0	12.97	13.07	13.07			
5	16QAM	1	0	12.84	13.05	12.84			
5	16QAM	1	12	12.82	12.87	12.93	14.5	0	
5	16QAM	1	24	12.79	12.91	12.80			
5	16QAM	12	0	12.83	12.86	12.74			
5	16QAM	12	7	12.83	12.91	12.82			
5	16QAM	12	13	12.78	12.90	12.84	14.5	0	
5	16QAM	25	0	12.83	12.86	12.72			
5	16QAM	1	0	12.78	12.88	12.71			
5	16QAM	1	12	12.74	12.82	12.76			
5	16QAM	1	24	12.79	12.89	12.70	14.5	0	
5	16QAM	12	0	12.72	12.81	12.64			
5	16QAM	12	7	12.74	12.83	12.68			
5	16QAM	12	13	12.64	12.72	12.66			
5	16QAM	25	0	12.52	12.64	12.52	14.5	0	
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	13.21	13.26	13.25	14.5	0	
3	QPSK	1	8	13.11	13.14	13.12			
3	QPSK	1	14	12.93	13.04	12.99			
3	QPSK	8	0	13.15	13.25	13.01			
3	QPSK	8	4	13.09	13.13	12.95	14.5	0	
3	QPSK	8	7	13.15	13.19	13.06			
3	QPSK	15	0	13.07	13.15	13.16			
3	16QAM	1	0	13.02	13.11	13.00			
3	16QAM	1	8	12.98	12.97	13.04	14.5	0	
3	16QAM	1	14	12.85	13.02	12.88			
3	16QAM	8	0	12.81	12.97	12.86			
3	16QAM	8	4	12.98	13.09	12.93			
3	16QAM	8	7	12.92	13.05	12.89	14.5	0	
3	16QAM	15	0	12.86	12.91	12.84			
3	16QAM	1	0	12.90	12.96	12.82			
3	16QAM	1	8	12.87	12.92	12.85			
3	16QAM	1	14	12.87	12.95	12.77	14.5	0	
3	16QAM	8	0	12.88	12.95	12.78			
3	16QAM	8	4	12.79	12.87	12.77			
3	16QAM	8	7	12.72	12.81	12.80			
3	16QAM	15	0	12.53	12.68	12.58	14.5	0	
Channel				18620	18900	19193			
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	13.15	13.23	13.25	14.5	0	
1.4	QPSK	1	3	13.13	13.19	13.12			
1.4	QPSK	1	5	12.98	13.09	13.04			
1.4	QPSK	3	0	13.11	13.23	13.02			
1.4	QPSK	3	1	13.01	13.16	12.98	14.5	0	
1.4	QPSK	3	3	13.07	13.19	13.10			
1.4	QPSK	6	0	13.12	13.17	13.16			
1.4	16QAM	1	0	13.02	13.08	12.97			
1.4	16QAM	1	3	12.95	12.97	12.94	14.5	0	
1.4	16QAM	1	5	12.85	13.05	12.89			
1.4	16QAM	3	0	12.74	12.91	12.85			
1.4	16QAM	3	1	12.99	13.03	12.95	14.5	0	
1.4	16QAM	3	3	12.90	13.05	12.95			
1.4	16QAM	6	0	12.86	12.97	12.82			
1.4	16QAM	1	0	12.93	12.96	12.81			
1.4	16QAM	1	3	12.89	12.98	12.89	14.5	0	
1.4	16QAM	1	5	12.85	12.96	12.85			
1.4	16QAM	3	0	12.84	12.89	12.81			
1.4	16QAM	3	1	12.83	12.89	12.79			
1.4	16QAM	3	3	12.75	12.88	12.78	14.5	0	
1.4	16QAM	6	0	12.62	12.69	12.58			

Band 12 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.70	22.72	22.71			
10	QPSK	1	25	22.55	22.66	22.49			
10	QPSK	1	49	22.65	22.67	22.62	23	1	
10	QPSK	25	0	21.59	21.82	21.68			
10	QPSK	25	12	21.53	21.54	21.58			
10	QPSK	25	25	21.71	21.73	21.55			
10	QPSK	50	0	21.49	21.69	21.54	23	1	
10	16QAM	1	0	21.82	22.02	22.01			
10	16QAM	1	25	21.64	21.76	21.76			
10	16QAM	1	49	21.74	21.91	21.88			
10	16QAM	25	0	20.64	20.88	20.71	22	2	
10	16QAM	25	12	20.60	20.60	20.69			
10	16QAM	25	25	20.59	20.71	20.45			
10	16QAM	50	0	20.58	20.66	20.42			
10	64QAM	1	0	20.70	20.98	20.95	22	2	
10	64QAM	1	25	20.53	20.68	20.84			
10	64QAM	1	49	20.66	20.85	20.80			
10	64QAM	25	0	19.66	19.88	19.69			
10	64QAM	25	12	19.56	19.64	19.64	21	3	
10	64QAM	25	25	19.51	19.77	19.56			
10	64QAM	50	0	19.47	19.60	19.33			
Channel				23035	23095	23155	24	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.51	22.68	22.51			
5	QPSK	1	12	22.53	22.46	22.29			
5	QPSK	1	24	22.49	22.50	22.46	23	1	
5	QPSK	12	0	21.35	21.71	21.51			
5	QPSK	12	7	21.45	21.37	21.36			
5	QPSK	12	13	21.65	21.72	21.51			
5	QPSK	25	0	21.41	21.60	21.37	23	1	
5	16QAM	1	0	21.73	21.87	21.98			
5	16QAM	1	12	21.54	21.76	21.57			
5	16QAM	1	24	21.71	21.76	21.85			
5	16QAM	12	0	20.61	20.85	20.51	22	2	
5	16QAM	12	7	20.56	20.40	20.62			
5	16QAM	12	13	20.53	20.55	20.39			
5	16QAM	25	0	20.37	20.52	20.19			
5	64QAM	1	0	20.45	20.85	20.79	22	2	
5	64QAM	1	12	20.48	20.80	20.75			
5	64QAM	1	24	20.63	20.73	20.79			
5	64QAM	12	0	19.43	19.83	19.54			
5	64QAM	12	7	19.51	19.46	19.46	21	3	
5	64QAM	12	13	19.39	19.58	19.36			
5	64QAM	25	0	19.34	19.39	19.26			
Channel				23025	23095	23165	24	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.57	22.64	22.60			
3	QPSK	1	8	22.48	22.45	22.34			
3	QPSK	1	14	22.52	22.49	22.49	23	1	
3	QPSK	8	0	21.39	21.79	21.65			
3	QPSK	8	4	21.50	21.31	21.54			
3	QPSK	8	7	21.67	21.54	21.53			
3	QPSK	15	0	21.29	21.53	21.30	23	1	
3	16QAM	1	0	21.66	21.79	21.95			
3	16QAM	1	8	21.47	21.76	21.58			
3	16QAM	1	14	21.69	21.85	21.78			
3	16QAM	8	0	20.53	20.61	20.51	22	2	
3	16QAM	8	4	20.37	20.58	20.60			
3	16QAM	8	7	20.49	20.46	20.42			
3	16QAM	15	0	20.51	20.57	20.31			
3	64QAM	1	0	20.53	20.86	20.76	22	2	
3	64QAM	1	8	20.48	20.51	20.72			
3	64QAM	1	14	20.62	20.70	20.60			
3	64QAM	8	0	19.41	19.83	19.48			
3	64QAM	8	4	19.49	19.54	19.40	21	3	
3	64QAM	8	7	19.42	19.74	19.53			
3	64QAM	15	0	19.36	19.58	19.23			
Channel				23017	23095	23173	23	1	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.41	22.66	22.48			
1.4	QPSK	1	3	22.33	22.39	22.25			
1.4	QPSK	1	5	22.46	22.44	22.28	24	0	
1.4	QPSK	3	0	22.37	22.65	22.48			
1.4	QPSK	3	1	22.46	22.31	22.15			
1.4	QPSK	3	3	22.31	22.40	22.51			
1.4	QPSK	6	0	21.46	21.63	21.42	23	1	
1.4	16QAM	1	0	21.77	21.78	21.83			
1.4	16QAM	1	3	21.59	21.63	21.64			
1.4	16QAM	1	5	21.56	21.79	21.79			
1.4	16QAM	3	0	21.75	21.76	21.65	23	1	
1.4	16QAM	3	1	21.50	21.41	21.63			
1.4	16QAM	3	3	21.42	21.78	21.69			
1.4	16QAM	6	0	20.54	20.72	20.68			
1.4	64QAM	1	0	20.60	20.76	20.70	22	2	
1.4	64QAM	1	3	20.40	20.59	20.62			
1.4	64QAM	1	5	20.56	20.75	20.67			
1.4	64QAM	3	0	20.55	20.67	20.59			
1.4	64QAM	3	1	20.26	20.37	20.46	22	2	
1.4	64QAM	3	3	20.43	20.74	20.67			
1.4	64QAM	6	0	19.38	19.59	19.15			
1.4	64QAM	6	0	19.38	19.59	19.15			

Band 13 Ant0									
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				23230	23230		24	0	
Frequency (MHz)					782				
10	QPSK	1	0		22.75				
10	QPSK	1	25	22.70		22.70			
10	QPSK	1	49	22.73		22.73	23 <th colspan="2" rowspan="4">1</th>	1	
10	QPSK	25	0	21.57		21.57			
10	QPSK	25	12	21.51		21.51			
10	QPSK	25	25	21.54		21.54			
10	QPSK	50	0	21.76		21.76	23 <th colspan="2" rowspan="4">1</th>	1	
10	16QAM	1	0	21.93		21.93			
10	16QAM	1	25	21.83		21.83			
10	16QAM	1	49	21.89		21.89			
10	16QAM	25	0	20.59		20.59	22 <th colspan="2" rowspan="4">2</th>	2	
10	16QAM	25	12	20.41		20.41			
10	16QAM	25	25	20.53		20.53			
10	16QAM	50	0	20.73		20.73			
10	64QAM	1	0	20.87		20.87	22 <th colspan="2" rowspan="4">2</th>	2	
10	64QAM	1	25	20.61		20.61			
10	64QAM	1	49	20.70		20.70			
10	64QAM	25	0	19.59		19.59			
10	64QAM	25	12	19.63		19.63	21 <th colspan="2" rowspan="3">3</th>	3	
10	64QAM	25	25	19.56		19.56			
10	64QAM	50	0	19.72		19.72			
Channel				23205	23230	23255	24	0	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.64	22.73	22.72			
5	QPSK	1	12	22.68	22.62	22.63			
5	QPSK	1	24	22.74	22.74	22.67	23 <th colspan="2" rowspan="4">1</th>	1	
5	QPSK	12	0	21.54	21.57	21.42			
5	QPSK	12	7	21.50	21.46	21.35			
5	QPSK	12	13	21.51	21.34	21.47			
5	QPSK	25	0	21.76	21.56	21.59	23 <th colspan="2" rowspan="3">1</th>	1	
5	16QAM	1	0	21.87	21.85	21.82			
5	16QAM	1	12	21.69	21.76	21.85			
5	16QAM	1	24	21.89	21.88	21.81	22 <th colspan="2" rowspan="4">2</th>	2	
5	16QAM	12	0	20.51	20.42	20.58			
5	16QAM	12	7	20.38	20.40	20.21			
5	16QAM	12	13	20.47	20.39	20.37			
5	16QAM	25	0	20.72	20.63	20.53	22 <th colspan="2" rowspan="4">2</th>	2	
5	64QAM	1	0	20.73	20.71	20.70			
5	64QAM	1	12	20.41	20.62	20.63			
5	64QAM	1	24	20.61	20.70	20.52			
5	64QAM	12	0	19.46	19.55	19.56	21 <th colspan="2" rowspan="4">3</th>	3	
5	64QAM	12	7	19.51	19.45	19.59			
5	64QAM	12	13	19.47	19.51	19.42			
5	64QAM	25	0	19.58	19.53	19.66			

Band 17 Ant0									
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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.60	22.69	22.64	24	0	
10	QPSK	1	25	22.48	22.64	22.53			
10	QPSK	1	49	22.49	22.58	22.45			
10	QPSK	25	0	21.70	21.89	21.85	23	1	
10	QPSK	25	12	21.72	21.82	21.79			
10	QPSK	25	25	21.61	21.79	21.60			
10	QPSK	50	0	21.68	21.89	21.82	23	1	
10	16QAM	1	0	21.86	21.97	21.80			
10	16QAM	1	25	21.69	21.72	21.73			
10	16QAM	1	49	21.75	21.70	21.71	22	2	
10	16QAM	25	0	20.64	20.93	20.93			
10	16QAM	25	12	20.74	20.73	20.82			
10	16QAM	25	25	20.69	20.89	20.68	22	2	
10	16QAM	50	0	20.78	20.90	20.86			
10	64QAM	1	0	20.90	20.96	20.89			
10	64QAM	1	25	20.80	20.75	20.64	22	2	
10	64QAM	1	49	20.84	20.82	20.68			
10	64QAM	25	0	19.88	19.95	19.98			
10	64QAM	25	12	19.91	19.84	19.58	21	3	
10	64QAM	25	25	19.77	19.93	19.59			
10	64QAM	50	0	19.89	19.87	19.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.48	22.61	22.64	24	0	
5	QPSK	1	12	22.31	22.49	22.50			
5	QPSK	1	24	22.27	22.39	22.37			
5	QPSK	12	0	21.52	21.86	21.64	23	1	
5	QPSK	12	7	21.51	21.60	21.66			
5	QPSK	12	13	21.40	21.76	21.60			
5	QPSK	25	0	21.70	21.83	21.65	22	2	
5	16QAM	1	0	21.77	21.86	21.75			
5	16QAM	1	12	21.64	21.70	21.53			
5	16QAM	1	24	21.60	21.69	21.61	22	2	
5	16QAM	12	0	20.43	20.87	20.91			
5	16QAM	12	7	20.76	20.54	20.76			
5	16QAM	12	13	20.71	20.80	20.54	22	2	
5	16QAM	25	0	20.77	20.81	20.79			
5	64QAM	1	0	20.74	20.90	20.81			
5	64QAM	1	12	20.60	20.70	20.65	22	2	
5	64QAM	1	24	20.83	20.64	20.66			
5	64QAM	12	0	19.70	19.67	19.94			
5	64QAM	12	7	19.78	19.85	19.56	21	3	
5	64QAM	12	13	19.63	19.85	19.58			
5	64QAM	25	0	19.75	19.80	19.62			

Band 25 Ant0									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	13.30	13.35	13.32	14.5	0	
20	QPSK	1	49	13.22	13.25	13.21			
20	QPSK	1	99	13.06	13.19	13.11			
20	QPSK	50	0	13.22	13.31	13.15			
20	QPSK	50	24	13.09	13.23	13.08			
20	QPSK	50	50	13.22	13.25	13.17	14.5	0	
20	QPSK	100	0	13.19	13.29	13.23			
20	16QAM	1	0	13.08	13.22	13.06			
20	16QAM	1	49	13.04	13.12	13.09			
20	16QAM	1	99	12.95	13.10	12.97			
20	16QAM	50	0	12.87	13.03	12.91	14.5	0	
20	16QAM	50	24	13.07	13.15	13.04			
20	16QAM	50	50	13.00	13.12	13.02			
20	16QAM	100	0	12.98	13.05	12.96			
20	64QAM	1	0	13.01	13.07	12.94			
20	64QAM	1	49	12.96	13.06	12.99	14.5	0	
20	64QAM	1	99	13.01	13.06	12.90			
20	64QAM	50	0	12.94	13.02	12.88			
20	64QAM	50	24	12.92	12.99	12.84			
20	64QAM	50	50	12.84	12.94	12.90			
20	64QAM	100	0	12.88	12.84	12.70	14.5	0	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	13.18	13.25	13.27	14.5	0	
15	QPSK	1	37	13.09	13.13	13.11			
15	QPSK	1	74	12.90	13.04	13.06			
15	QPSK	36	0	13.07	13.26	13.05			
15	QPSK	36	20	12.99	13.13	13.00			
15	QPSK	36	39	13.13	13.09	13.09	14.5	0	
15	QPSK	75	0	13.05	13.17	13.11			
15	16QAM	1	0	12.92	13.16	12.95			
15	16QAM	1	37	12.91	12.97	12.94			
15	16QAM	1	74	12.79	12.93	12.88			
15	16QAM	36	0	12.71	12.89	12.87	14.5	0	
15	16QAM	36	20	12.96	13.10	12.97			
15	16QAM	36	39	12.94	12.98	12.95			
15	16QAM	75	0	12.91	12.89	12.85			
15	64QAM	1	0	12.91	12.96	12.88			
15	64QAM	1	37	12.91	12.92	12.90	14.5	0	
15	64QAM	1	74	12.89	12.99	12.79			
15	64QAM	36	0	12.86	12.86	12.77			
15	64QAM	36	20	12.79	12.85	12.74			
15	64QAM	36	39	12.80	12.82	12.87			
15	64QAM	75	0	12.53	12.80	12.68	14.5	0	
Channel				26090	26340	26640			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	13.19	13.24	13.27	14.5	0	
10	QPSK	1	25	13.10	13.21	13.06			
10	QPSK	1	49	13.00	13.05	13.07			
10	QPSK	25	0	13.07	13.22	12.98			
10	QPSK	25	12	12.94	13.11	12.98			
10	QPSK	25	25	13.11	13.19	13.02	14.5	0	
10	QPSK	50	0	13.07	13.21	13.15			
10	16QAM	1	0	12.99	13.15	12.97			
10	16QAM	1	25	13.00	13.09	12.92			
10	16QAM	1	49	12.89	13.01	12.88			
10	16QAM	25	0	12.71	12.88	12.87	14.5	0	
10	16QAM	25	12	13.03	13.01	13.00			
10	16QAM	25	25	12.88	13.08	12.98			
10	16QAM	50	0	12.92	12.93	12.90			
10	64QAM	1	0	12.85	12.95	12.88			
10	64QAM	1	25	12.85	12.99	12.88	14.5	0	
10	64QAM	1	49	12.88	12.93	12.78			
10	64QAM	25	0	12.79	12.98	12.80			
10	64QAM	25	12	12.89	12.84	12.77			
10	64QAM	25	25	12.71	12.81	12.83			
10	64QAM	50	0	12.56	12.68	12.62	14.5	0	
Channel				26065	26340	26665			
Frequency (MHz)				1892.5	1880	1912.5			
5	QPSK	1	0	13.20	13.22	13.27	14.5	0	
5	QPSK	1	12	13.19	13.10	13.17			
5	QPSK	1	24	12.94	13.06	12.98			
5	QPSK	12	0	13.06	13.23	12.99			
5	QPSK	12	7	12.97	13.11	13.00			
5	QPSK	12	13	13.16	13.20	13.00	14.5	0	
5	QPSK	25	0	13.05	13.21	13.08			
5	16QAM	1	0	12.99	13.09	12.90			
5	16QAM	1	12	12.94	13.07	12.94			
5	16QAM	1	24	12.87	12.96	12.83			
5	16QAM	12	0	12.76	12.89	12.83	14.5	0	
5	16QAM	12	7	12.94	13.10	12.98			
5	16QAM	12	13	12.90	12.96	12.92			
5	16QAM	25	0	12.89	12.98	12.86			
5	64QAM	1	0	12.89	12.90	12.80			
5	64QAM	1	12	12.83	12.96	12.88	14.5	0	
5	64QAM	1	24	12.89	12.93	12.78			
5	64QAM	12	0	12.80	12.92	12.80			
5	64QAM	12	7	12.83	12.90	12.75			
5	64QAM	12	13	12.76	12.85	12.75			
5	64QAM	25	0	12.54	12.71	12.62	14.5	0	
Channel				26055	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	13.16	13.22	13.29	14.5	0	
3	QPSK	1	8	13.13	13.14	13.17			
3	QPSK	1	14	13.00	13.15	12.99			
3	QPSK	8	0	13.14	13.22	13.04			
3	QPSK	8	4	13.02	13.19	13.02			
3	QPSK	8	7	13.08	13.21	13.04	14.5	0	
3	QPSK	15	0	13.04	13.19	13.08			
3	16QAM	1	0	12.92	13.09	13.02			
3	16QAM	1	8	12.95	13.03	12.97			
3	16QAM	1	14	12.80	12.99	12.92			
3	16QAM	8	0	12.71	12.89	12.87	14.5	0	
3	16QAM	8	4	12.96	13.08	12.92			
3	16QAM	8	7	12.93	13.03	12.87			
3	16QAM	15	0	12.85	12.92	12.81			
3	64QAM	1	0	12.86	12.99	12.80			
3	64QAM	1	8	12.85	12.92	12.94	14.5	0	
3	64QAM	1	14	12.86	12.98	12.77			
3	64QAM	8	0	12.86	12.90	12.84			
3	64QAM	8	4	12.87	12.91	12.71			
3	64QAM	8	7	12.74	12.87	12.80			
3	64QAM	15	0	12.54	12.79	12.63	14.5	0	
Channel				26045	26340	26685			
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	13.15	13.19	13.19	14.5	0	
1.4	QPSK	1	3	13.10	13.09	13.06			
1.4	QPSK	1	5	12.92	13.08	13.01			
1.4	QPSK	3	1	13.15	13.28	13.11			
1.4	QPSK	3	1	12.97	13.08	12.99			
1.4	QPSK	3	3	13.17	13.09	13.02	14.5	0	
1.4	QPSK	6	0	13.05	13.18	13.19			
1.4	16QAM	1	0	12.99	13.09	12.97			
1.4	16QAM	1	3	12.96	13.08	12.94			
1.4	16QAM	1	5	12.90	13.07	12.85			
1.4	16QAM	3	0	12.71	12.89	12.85	14.5	0	
1.4	16QAM	3	1	12.92	12.98	12.87			
1.4	16QAM	3	3	12.96	13.06	12.97			
1.4	16QAM	6	0	12.84	12.93	12.92			
1.4	64QAM	1	0	12.94	12.92	12.83			
1.4	64QAM	1	3	12.87	12.90	12.88	14.5	0	
1.4	64QAM	1	5	12.85	12.91	12.81			
1.4	64QAM	3	0	12.78	12.94	12.79			
1.4	64QAM	3	1	12.84	12.94	12.69			
1.4	64QAM	3	3	12.78	12.86	12.75			
1.4	64QAM	6	0	12.55	12.70	12.59	14.5	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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.90	15.07	15.04	16.5	0	
20	QPSK	1	49	14.80	14.77	14.77			
20	QPSK	1	99	14.71	14.89	14.72			
20	QPSK	50	0	14.93	15.03	15.00	16.5	0	
20	QPSK	50	24	14.77	14.91	14.81			
20	QPSK	50	50	14.76	15.00	14.91			
20	QPSK	100	0	14.92	15.00	14.76	16.5	0	
20	16QAM	1	0	14.82	14.89	14.83			
20	16QAM	1	49	14.93	14.90	14.72			
20	16QAM	1	99	14.80	14.94	14.93	16.5	0	
20	16QAM	50	0	14.78	14.92	14.75			
20	16QAM	50	24	14.81	14.83	14.79			
20	16QAM	50	50	14.92	14.89	14.78	16.5	0	
20	16QAM	100	0	14.97	14.93	14.83			
20	64QAM	1	0	14.75	14.90	14.74			
20	64QAM	1	49	14.85	14.92	14.84	16.5	0	
20	64QAM	1	99	14.83	14.90	14.76			
20	64QAM	50	0	14.82	14.92	14.77			
20	64QAM	50	24	14.85	14.92	14.88	16.5	0	
20	64QAM	50	50	14.75	14.93	14.78			
20	64QAM	100	0	14.75	14.80	14.81			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	14.74	15.02	14.97	16.5	0	
15	QPSK	1	37	14.70	14.65	14.62			
15	QPSK	1	74	14.66	14.75	14.65			
15	QPSK	36	0	14.87	14.91	14.93	16.5	0	
15	QPSK	36	20	14.63	14.80	14.70			
15	QPSK	36	39	14.69	14.85	14.79			
15	QPSK	75	0	14.81	14.86	14.70	16.5	0	
15	16QAM	1	0	14.77	14.83	14.70			
15	16QAM	1	37	14.80	14.77	14.60			
15	16QAM	1	74	14.64	14.80	14.78	16.5	0	
15	16QAM	36	0	14.68	14.79	14.69			
15	16QAM	36	20	14.70	14.70	14.69			
15	16QAM	36	39	14.81	14.81	14.68	16.5	0	
15	16QAM	75	0	14.87	14.82	14.71			
15	64QAM	1	0	14.63	14.86	14.67			
15	64QAM	1	37	14.73	14.78	14.73	16.5	0	
15	64QAM	1	74	14.72	14.81	14.71			
15	64QAM	36	0	14.70	14.84	14.68			
15	64QAM	36	20	14.81	14.85	14.81	16.5	0	
15	64QAM	36	39	14.63	14.87	14.68			
15	64QAM	75	0	14.69	14.70	14.66			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	14.81	14.97	14.89	16.5	0	
10	QPSK	1	25	14.74	14.64	14.68			
10	QPSK	1	49	14.59	14.82	14.58			
10	QPSK	25	0	14.79	14.89	14.87	16.5	0	
10	QPSK	25	12	14.69	14.79	14.70			
10	QPSK	25	25	14.70	14.90	14.77			
10	QPSK	50	0	14.87	14.92	14.66	16.5	0	
10	16QAM	1	0	14.71	14.79	14.69			
10	16QAM	1	25	14.87	14.82	14.81			
10	16QAM	1	49	14.70	14.88	14.85	16.5	0	
10	16QAM	25	0	14.68	14.78	14.68			
10	16QAM	25	12	14.74	14.78	14.69			
10	16QAM	25	25	14.80	14.78	14.71	16.5	0	
10	16QAM	50	0	14.89	14.89	14.75			
10	64QAM	1	0	14.66	14.75	14.63			
10	64QAM	1	25	14.75	14.80	14.77	16.5	0	
10	64QAM	1	49	14.76	14.86	14.66			
10	64QAM	25	0	14.71	14.80	14.62			
10	64QAM	25	12	14.74	14.82	14.80	16.5	0	
10	64QAM	25	25	14.61	14.87	14.62			
10	64QAM	50	0	14.68	14.72	14.76			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	14.79	14.99	14.97	16.5	0	
5	QPSK	1	12	14.85	14.72	14.72			
5	QPSK	1	24	14.62	14.79	14.58			
5	QPSK	12	0	14.83	14.92	14.94	16.5	0	
5	QPSK	12	7	14.64	14.81	14.74			
5	QPSK	12	13	14.64	14.85	14.77			
5	QPSK	25	0	14.79	14.84	14.68	16.5	0	
5	16QAM	1	0	14.69	14.77	14.76			
5	16QAM	1	12	14.79	14.77	14.67			
5	16QAM	1	24	14.68	14.82	14.83	16.5	0	
5	16QAM	12	0	14.69	14.77	14.70			
5	16QAM	12	7	14.66	14.70	14.65			
5	16QAM	12	13	14.81	14.75	14.70	16.5	0	
5	16QAM	25	0	14.88	14.81	14.73			
5	64QAM	1	0	14.66	14.77	14.62			
5	64QAM	1	12	14.71	14.83	14.70	16.5	0	
5	64QAM	1	24	14.74	14.80	14.65			
5	64QAM	12	0	14.69	14.83	14.69			
5	64QAM	12	7	14.72	14.85	14.76	16.5	0	
5	64QAM	12	13	14.59	14.83	14.69			
5	64QAM	25	0	14.59	14.68	14.71			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	14.75	14.91	14.94	16.5	0	
3	QPSK	1	8	14.71	14.72	14.71			
3	QPSK	1	14	14.55	14.84	14.58			
3	QPSK	8	0	14.78	14.88	14.95	16.5	0	
3	QPSK	8	4	14.67	14.85	14.69			
3	QPSK	8	7	14.62	14.85	14.79			
3	QPSK	15	0	14.79	14.91	14.62	16.5	0	
3	16QAM	1	0	14.76	14.81	14.75			
3	16QAM	1	8	14.83	14.77	14.64			
3	16QAM	1	14	14.65	14.79	14.82	16.5	0	
3	16QAM	8	0	14.66	14.82	14.64			
3	16QAM	8	4	14.76	14.73	14.74			
3	16QAM	8	7	14.84	14.75	14.74	16.5	0	
3	16QAM	15	0	14.87	14.88	14.68			
3	64QAM	1	0	14.70	14.82	14.66			
3	64QAM	1	8	14.76	14.82	14.72	16.5	0	
3	64QAM	1	14	14.68	14.79	14.64			
3	64QAM	8	0	14.68	14.82	14.70			
3	64QAM	8	4	14.76	14.82	14.73	16.5	0	
3	64QAM	8	7	14.59	14.86	14.66			
3	64QAM	15	0	14.64	14.71	14.75			
Channel				131973	132322	132669			
Frequency (MHz)				1710.7	1745	1779.2			
1.4	QPSK	1	0	14.82	14.92	14.95	16.5	0	
1.4	QPSK	1	3	14.74	14.66	14.61			
1.4	QPSK	1	5	14.67	14.82	14.59			
1.4	QPSK	3	0	14.88	14.96	14.93	16.5	0	
1.4	QPSK	3	1	14.70	14.77	14.68			
1.4	QPSK	3	3	14.71	14.93	14.76			
1.4	QPSK	6	0	14.87	14.85	14.61	16.5	0	
1.4	16QAM	1	0	14.68	14.81	14.68			
1.4	16QAM	1	3	14.81	14.86	14.66			
1.4	16QAM	1	5	14.71	14.82	14.79	16.5	0	
1.4	16QAM	3	0	14.70	14.76	14.67			
1.4	16QAM	3	1	14.75	14.74	14.63			
1.4	16QAM	3	3	14.82	14.78	14.65	16.5	0	
1.4	16QAM	6	0	14.84	14.88	14.71			
1.4	64QAM	1	0	14.61	14.85	14.60			
1.4	64QAM	1	3	14.71	14.81	14.74	16.5	0	
1.4	64QAM	1	5	14.64	14.76	14.71			
1.4	64QAM	3	0	14.71	14.76	14.71			
1.4	64QAM	3	1	14.74	14.79	14.78	16.5	0	
1.4	64QAM	3	3	14.62	14.78	14.63			
1.4	64QAM	6	0	14.66	14.68	14.68			

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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				20850	21100	21350	18	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.37	16.60	16.16	18	0
20	QPSK	1	49	16.42	16.54	16.15		
20	QPSK	1	99	16.33	16.50	16.42		
20	QPSK	50	0	16.36	16.59	16.10		
20	QPSK	50	24	16.37	16.57	16.33		
20	QPSK	50	50	16.30	16.49	16.10		
20	QPSK	100	0	16.47	16.56	16.14	18	0
20	16QAM	1	0	16.34	16.57	16.13		
20	16QAM	1	49	16.32	16.52	16.13		
20	16QAM	1	99	16.45	16.45	16.10		
20	16QAM	50	0	16.34	16.58	16.10		
20	16QAM	50	24	16.26	16.41	16.35		
20	16QAM	50	50	16.46	16.57	16.16	18	0
20	16QAM	100	0	16.33	16.54	16.08		
20	64QAM	1	0	16.36	16.43	16.31		
20	64QAM	1	49	16.43	16.53	16.16		
20	64QAM	1	99	16.39	16.56	16.11		
20	64QAM	50	0	16.36	16.55	16.12		
20	64QAM	50	24	16.40	16.49	16.10	18	0
20	64QAM	50	50	16.29	16.58	16.13		
20	64QAM	100	0	16.28	16.53	16.14		
Channel				20825	21100	21375	18	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.48	16.52	16.06	18	0
15	QPSK	1	37	16.35	16.47	16.14		
15	QPSK	1	74	16.29	16.49	16.15		
15	QPSK	36	0	16.41	16.50	16.18		
15	QPSK	36	20	16.40	16.56	16.39		
15	QPSK	36	39	16.32	16.41	16.33		
15	QPSK	75	0	16.45	16.49	16.12	18	0
15	16QAM	1	0	16.36	16.50	16.32		
15	16QAM	1	37	16.30	16.47	16.12		
15	16QAM	1	74	16.46	16.55	16.17		
15	16QAM	36	0	16.40	16.49	16.37		
15	16QAM	36	20	16.33	16.42	16.10		
15	16QAM	36	39	16.47	16.58	16.09	18	0
15	16QAM	75	0	16.30	16.49	16.07		
15	64QAM	1	0	16.26	16.46	16.05		
15	64QAM	1	37	16.41	16.48	16.12		
15	64QAM	1	74	16.39	16.53	16.11		
15	64QAM	36	0	16.33	16.46	16.14		
15	64QAM	36	20	16.36	16.58	16.17	18	0
15	64QAM	36	39	16.42	16.49	16.37		
15	64QAM	75	0	16.35	16.41	16.08		
Channel				20800	21100	21400	18	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.37	16.52	16.12	18	0
10	QPSK	1	25	16.35	16.46	16.06		
10	QPSK	1	49	16.25	16.47	16.08		
10	QPSK	25	0	16.39	16.57	16.17		
10	QPSK	25	12	16.42	16.48	16.36		
10	QPSK	25	25	16.25	16.47	16.11		
10	QPSK	50	0	16.42	16.59	16.36	18	0
10	16QAM	1	0	16.36	16.56	16.15		
10	16QAM	1	25	16.35	16.52	16.12		
10	16QAM	1	49	16.38	16.54	16.11		
10	16QAM	25	0	16.42	16.55	16.06		
10	16QAM	25	12	16.29	16.48	16.07		
10	16QAM	25	25	16.47	16.51	16.09	18	0
10	16QAM	50	0	16.39	16.47	16.09		
10	64QAM	1	0	16.25	16.55	16.11		
10	64QAM	1	25	16.46	16.56	16.18		
10	64QAM	1	49	16.41	16.54	16.09		
10	64QAM	25	0	16.25	16.55	16.08		
10	64QAM	25	12	16.48	16.50	16.12	18	0
10	64QAM	25	25	16.42	16.51	16.12		
10	64QAM	50	0	16.25	16.46	16.09		
Channel				20775	21100	21425	18	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.47	16.49	16.35	18	0
5	QPSK	1	12	16.43	16.55	16.32		
5	QPSK	1	24	16.36	16.53	16.38		
5	QPSK	12	0	16.48	16.56	16.36		
5	QPSK	12	7	16.39	16.49	16.36		
5	QPSK	12	13	16.32	16.45	16.07		
5	QPSK	25	0	16.43	16.51	16.09	18	0
5	16QAM	1	0	16.37	16.50	16.12		
5	16QAM	1	12	16.34	16.48	16.11		
5	16QAM	1	24	16.47	16.55	16.15		
5	16QAM	12	0	16.42	16.46	16.14		
5	16QAM	12	7	16.23	16.48	16.14		
5	16QAM	12	13	16.43	16.50	16.17	18	0
5	16QAM	25	0	16.42	16.54	16.33		
5	64QAM	1	0	16.29	16.44	16.39		
5	64QAM	1	12	16.35	16.59	16.13		
5	64QAM	1	24	16.38	16.56	16.11		
5	64QAM	12	0	16.36	16.53	16.13		
5	64QAM	12	7	16.42	16.54	16.09	18	0
5	64QAM	12	13	16.30	16.44	16.06		
5	64QAM	25	0	16.29	16.46	16.11		

Band 30 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710			20	0
Frequency (MHz)				2310				
10	QPSK	1	0		18.64		20	0
10	QPSK	1	25		18.31			
10	QPSK	1	49		18.29			
10	QPSK	25	0		18.52			
10	QPSK	25	12		18.47			
10	QPSK	25	25		18.31			
10	QPSK	50	0		18.43		20	0
10	16QAM	1	0		18.44			
10	16QAM	1	25		18.37			
10	16QAM	1	49		18.52			
10	16QAM	25	0		18.51			
10	16QAM	25	12		18.36			
10	16QAM	25	25		18.38		20	0
10	16QAM	50	0		18.39			
10	64QAM	1	0		18.55			
10	64QAM	1	25		18.59			
10	64QAM	1	49		18.52			
10	64QAM	25	0		18.49			
10	64QAM	25	12		18.44		20	0
10	64QAM	25	25		18.42			
10	64QAM	50	0		18.42			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	18.15	18.09	18.16	20	0
5	QPSK	1	12	18.16	18.07	18.08		
5	QPSK	1	24	18.12	18.08	18.09		
5	QPSK	12	0	18.27	18.30	18.29		
5	QPSK	12	7	18.27	18.32	18.30		
5	QPSK	12	13	18.06	18.10	18.15		
5	QPSK	25	0	18.21	18.22	18.22	20	0
5	16QAM	1	0	18.20	18.23	18.23		
5	16QAM	1	12	18.21	18.19	18.13		
5	16QAM	1	24	18.29	18.31	18.36		
5	16QAM	12	0	18.33	18.34	18.27		
5	16QAM	12	7	18.19	18.13	18.16		
5	16QAM	12	13	18.17	18.13	18.19	20	0
5	16QAM	25	0	18.19	18.16	18.18		
5	64QAM	1	0	18.46	18.49	18.45		
5	64QAM	1	12	18.44	18.37	18.37		
5	64QAM	1	24	18.27	18.33	18.36		
5	64QAM	12	0	18.25	18.24	18.26		
5	64QAM	12	7	18.21	18.27	18.26	20	0
5	64QAM	12	13	18.20	18.23	18.20		
5	64QAM	25	0	18.24	18.25	18.26		



Band 38 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37950	38050	38150					
20	QPSK	1	0	18.55	18.55	18.55	20	0			
20	QPSK	1	40	18.52	18.55	18.59					
20	QPSK	1	80	18.48	18.53	18.57					
20	QPSK	50	0	18.37	18.59	18.21					
20	QPSK	50	24	18.47	18.43	18.36	20	0			
20	QPSK	50	50	18.34	18.37	18.42					
20	QPSK	100	0	18.42	18.55	18.35					
20	HQAM	1	0	18.59	18.42	18.26	20	0			
20	HQAM	1	40	18.37	18.39	18.35					
20	HQAM	1	99	18.36	18.27	18.33					
20	HQAM	50	0	18.25	18.54	18.25					
20	HQAM	50	24	18.52	18.41	18.42	20	0			
20	HQAM	50	50	18.37	18.27	18.37					
20	HQAM	100	0	18.40	18.31	18.40		20	0		
20	HQAM	1	0	18.39	18.54	18.41					
20	HQAM	1	40	18.31	18.52	18.37	20	0			
20	HQAM	1	99	18.33	18.53	18.44					
20	HQAM	50	0	18.13	18.43	18.14		20	0		
20	HQAM	50	24	18.48	18.43	18.43					
20	HQAM	50	50	18.38	18.34	18.34	20	0			
20	HQAM	100	0	18.27	18.46	18.46					
Channel											
Frequency (MHz)				37925	38050	38175					
15	QPSK	1	0	18.44	18.53	18.39	20	0			
15	QPSK	1	37	18.36	18.43	18.27					
15	QPSK	1	74	18.38	18.41	18.24		20	0		
15	QPSK	36	0	18.33	18.43	18.12					
15	QPSK	36	36	18.41	18.40	18.25	20	0			
15	QPSK	36	36	18.27	18.29	18.35					
15	QPSK	75	0	18.37	18.45	18.32	20	0			
15	QPSK	75	0	18.23	18.21	18.25					
15	HQAM	1	37	18.09	18.39	18.21	20	0			
15	HQAM	1	74	18.23	18.31	18.26					
15	HQAM	36	0	18.14	18.02	18.12	20	0			
15	HQAM	36	20	18.42	18.39	18.29					
15	HQAM	36	36	18.27	18.20	18.25	20	0			
15	HQAM	75	0	18.26	18.42	18.25					
15	HQAM	1	0	18.27	18.44	18.30	20	0			
15	HQAM	1	37	18.19	18.41	18.39					
15	HQAM	1	74	18.24	18.40	18.37	20	0			
15	HQAM	36	0	18.08	18.34	18.02					
15	HQAM	36	20	18.37	18.30	18.26	20	0			
15	HQAM	36	36	18.24	18.30	18.26					
15	HQAM	75	0	18.17	18.37	18.43	20	0			
15	HQAM	75	0	18.11	18.37	18.43					
Channel											
Frequency (MHz)				37900	38050	38200					
10	QPSK	1	0	18.47	18.54	18.41	20	0			
10	QPSK	1	25	18.36	18.41	18.36					
10	QPSK	1	40	18.36	18.39	18.31	20	0			
10	QPSK	25	0	18.34	18.27	18.07					
10	QPSK	25	12	18.32	18.38	18.25	20	0			
10	QPSK	25	25	18.26	18.23	18.26					
10	QPSK	50	0	18.34	18.47	18.25	20	0			
10	HQAM	1	0	18.02	18.34	18.22					
10	HQAM	1	25	18.15	18.27	18.27	20	0			
10	HQAM	1	40	18.22	18.18	18.25					
10	HQAM	25	0	18.18	18.46	18.18	20	0			
10	HQAM	25	12	18.44	18.27	18.34					
10	HQAM	25	25	18.29	18.29	18.30	20	0			
10	HQAM	50	0	18.27	18.46	18.26					
10	HQAM	1	0	18.36	18.43	18.30	20	0			
10	HQAM	1	25	18.19	18.44	18.24					
10	HQAM	1	40	18.25	18.49	18.32	20	0			
10	HQAM	36	0	18.07	18.38	18.01					
10	HQAM	25	12	18.37	18.29	18.29	20	0			
10	HQAM	25	25	18.25	18.28	18.28					
10	HQAM	50	0	18.21	18.33	18.37	20	0			
10	HQAM	50	0	18.17	18.33	18.37					
Channel											
Frequency (MHz)				37775	38050	38225					
5	QPSK	1	0	18.43	18.48	18.40	20	0			
5	QPSK	1	12	18.46	18.41	18.26					
5	QPSK	1	24	18.38	18.42	18.26	20	0			
5	QPSK	12	0	18.31	18.46	18.15					
5	QPSK	12	7	18.42	18.39	18.22	20	0			
5	QPSK	12	13	18.24	18.30	18.37					
5	QPSK	25	0	18.39	18.45	18.21	20	0			
5	HQAM	1	0	18.01	18.30	18.14					
5	HQAM	1	12	18.15	18.31	18.21	20	0			
5	HQAM	1	24	18.23	18.16	18.25					
5	HQAM	12	0	18.16	18.46	18.16	20	0			
5	HQAM	12	7	18.40	18.33	18.29					
5	HQAM	12	13	18.32	18.12	18.25	20	0			
5	HQAM	25	0	18.36	18.46	18.31					
5	HQAM	1	1	18.28	18.49	18.36	20	0			
5	HQAM	1	12	18.17	18.48	18.32					
5	HQAM	1	24	18.26	18.49	18.35	20	0			
5	HQAM	12	0	18.07	18.34	18.05					
5	HQAM	12	7	18.37	18.36	18.33	20	0			
5	HQAM	12	13	18.26	18.25	18.35					
5	HQAM	25	0	18.19	18.39	18.39	20	0			
5	HQAM	25	0	18.19	18.39	18.39					

Band 41 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41600		
20	QPSK	1	0	18.37	18.45	18.45	18.48	18.48	20	0
20	QPSK	1	40	18.23	18.40	18.52	18.42	18.31	20	0
20	QPSK	1	80	18.29	18.37	18.55	18.29	18.31	20	0
20	QPSK	50	0	18.36	18.47	18.58	18.43	18.43	20	0
20	QPSK	50	24	18.32	18.33	18.47	18.44	18.32	20	0
20	QPSK	50	50	18.34	18.37	18.47	18.39	18.31	20	0
20	QPSK	100	0	18.40	18.59	18.47	18.43	18.32	20	0
20	QPSK	100	0	18.39	18.48	18.59	18.60	18.32	20	0
20	16QAM	1	40	18.33	18.40	18.60	18.44	18.42	20	0
20	16QAM	1	99	18.28	18.52	18.59	18.32	18.29	20	0
20	16QAM	50	0	18.43	18.53	18.55	18.49	18.27	20	0
20	16QAM	50	24	18.42	18.26	18.39	18.38	18.40	20	0
20	16QAM	50	50	18.30	18.25	18.48	18.33	18.42	20	0
20	16QAM	100	0	18.41	18.46	18.53	18.49	18.32	20	0
20	16QAM	100	0	18.35	18.45	18.53	18.47	18.35	20	0
20	64QAM	1	40	18.23	18.30	18.58	18.35	18.29	20	0
20	64QAM	1	99	18.28	18.45	18.48	18.32	18.18	20	0
20	64QAM	50	0	18.34	18.40	18.50	18.45	18.19	20	0
20	64QAM	50	24	18.37	18.40	18.33	18.39	18.31	20	0
20	64QAM	50	50	18.18	18.32	18.45	18.31	18.18	20	0
20	64QAM	100	0	18.48	18.51	18.51	18.47	18.35	20	0
Channel										
Frequency (MHz)				39750	40173	40600	41048	41615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				29753	29833	29933	30378	30823		
15	QPSK	1	0	18.22	18.31	18.34	18.53	18.30	20	0
15	QPSK	1	37	18.18	18.34	18.49	18.37	18.22	20	0
15	QPSK	1	74	18.16	18.31	18.43	18.20	18.07	20	0
15	QPSK	15	0	18.29	18.36	18.48	18.44	18.24	20	0
15	QPSK	36	20	18.20	18.23	18.38	18.37	18.21	20	0
15	QPSK	36	39	18.14	18.21	18.42	18.25	18.21	20	0
15	QPSK	36	75	18.31	18.53	18.48	18.39	18.20	20	0
15	16QAM	1	0	18.28	18.42	18.46	18.53	18.29	20	0
15	16QAM	1	37	18.23	18.28	18.33	18.33	18.20	20	0
15	16QAM	1	74	18.15	18.38	18.51	18.24	18.08	20	0
15	16QAM	36	0	18.40	18.48	18.51	18.49	18.13	20	0
15	16QAM	36	39	18.28	18.12	18.33	18.33	18.20	20	0
15	16QAM	36	75	18.25	18.22	18.42	18.37	18.19	20	0
15	16QAM	75	0	18.27	18.39	18.47	18.31	18.25	20	0
15	16QAM	75	37	18.28	18.12	18.33	18.33	18.17	20	0
15	16QAM	75	74	18.20	18.19	18.54	18.47	18.23	20	0
15	16QAM	1	74	18.35	18.38	18.42	18.23	18.21	20	0
15	64QAM	1	0	18.31	18.27	18.31	18.47	18.14	20	0
15	64QAM	36	20	18.27	18.28	18.23	18.29	18.28	20	0
15	64QAM	36	39	18.08	18.24	18.40	18.26	18.15	20	0
15	64QAM	36	75	18.42	18.40	18.29	18.29	18.33	20	0
Channel										
Frequency (MHz)				39750	40160	40620	41040	41640	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.27	18.34	18.53	18.48	18.30	20	0
10	QPSK	1	25	18.18	18.34	18.55	18.29	18.27	20	0
10	QPSK	1	49	18.17	18.27	18.43	18.17	18.14	20	0
10	QPSK	25	0	18.21	18.32	18.34	18.45	18.24	20	0
10	QPSK	25	12	18.20	18.21	18.44	18.33	18.26	20	0
10	QPSK	25	25	18.09	18.27	18.43	18.22	18.22	20	0
10	QPSK	50	0	18.27	18.56	18.51	18.33	18.30	20	0
10	16QAM	1	0	18.31	18.36	18.50	18.50	18.27	20	0
10	16QAM	1	25	18.24	18.26	18.49	18.39	18.23	20	0
10	16QAM	1	49	18.17	18.45	18.45	18.24	18.15	20	0
10	16QAM	25	0	18.30	18.49	18.50	18.43	18.18	20	0
10	16QAM	25	12	18.35	18.33	18.33	18.33	18.27	20	0
10	16QAM	25	25	18.23	18.21	18.42	18.39	18.22	20	0
10	16QAM	50	0	18.33	18.35	18.48	18.25	18.20	20	0
10	64QAM	1	0	18.31	18.39	18.48	18.48	18.11	20	0
10	64QAM	1	25	18.11	18.23	18.53	18.48	18.27	20	0
10	64QAM	1	49	18.24	18.40	18.38	18.21	18.04	20	0
10	64QAM	25	0	18.33	18.36	18.48	18.48	18.24	20	0
10	64QAM	25	12	18.29	18.34	18.29	18.23	18.27	20	0
10	64QAM	25	25	18.13	18.28	18.43	18.33	18.18	20	0
10	64QAM	50	0	18.43	18.38	18.38	18.31	18.31	20	0
Channel										
Frequency (MHz)				39675 <th>40148</th> <th>40620</th> <th>41040</th> <th>41665</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40148	40620	41040	41665	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.20	18.38	18.52	18.46	18.30	20	0
5	QPSK	1	12	18.11	18.26	18.50	18.31	18.18	20	0
5	QPSK	1	24	18.17	18.24	18.32	18.22	18.14	20	0
5	QPSK	12	0	18.29	18.35	18.55	18.38	18.23	20	0
5	QPSK	12	7	18.29	18.20	18.44	18.39	18.27	20	0
5	QPSK	12	19	18.09	18.23	18.43	18.32	18.28	20	0
5	QPSK	26	0	18.36	18.53	18.48	18.32	18.23	20	0
5	16QAM	1	0	18.30	18.45	18.50	18.51	18.27	20	0
5	16QAM	1	12	18.25	18.29	18.53	18.34	18.23	20	0
5	16QAM	1	24	18.21	18.43	18.51	18.17	18.07	20	0
5	16QAM	12	0	18.40	18.49	18.42	18.41	18.14	20	0
5	16QAM	12	7	18.27	18.20	18.44	18.34	18.23	20	0
5	16QAM	12	19	18.24	18.19	18.43	18.35	18.29	20	0
5	64QAM	1	0	18.34	18.42	18.42	18.32	18.19	20	0
5	64QAM	1	12	18.31	18.33	18.44	18.33	18.24	20	0
5	64QAM	1	12	18.17	18.10	18.50	18.35	18.24	20	0
5	64QAM	12	0	18.30	18.32	18.46	18.33	18.08	20	0
5	64QAM	12	7	18.32	18.34	18.21	18.31	18.18	20	0
5	64QAM	12	19	18.11	18.27	18.37	18.30	18.15	20	0
5	64QAM	26	0	18.34	18.44	18.37	18.35	18.35	20	0

Band 41 Ant2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	14.67	14.92	14.93	14.64	14.59	15.5	0	
20	QPSK	1	49	14.56	14.83	14.83	14.71	14.58			
20	QPSK	1	99	14.61	14.67	14.90	14.53	14.52			
20	QPSK	50	0	14.66	14.81	14.91	14.72	14.62			
20	QPSK	50	24	14.57	14.82	14.72	14.84	14.57	15.5	0	
20	QPSK	50	50	14.53	14.74	14.79	14.67	14.61			
20	QPSK	100	0	14.69	14.75	14.86	14.66	14.60			
20	16QAM	1	0	14.57	14.79	14.79	14.78	14.43			
20	16QAM	1	49	14.40	14.71	14.79	14.61	14.47	15.5	0	
20	16QAM	1	99	14.51	14.59	14.74	14.48	14.38			
20	16QAM	50	0	14.73	14.85	14.87	14.77	14.51			
20	16QAM	50	24	14.47	14.83	14.82	14.67	14.56			
20	16QAM	50	50	14.49	14.70	14.81	14.59	14.55	15.5	0	
20	16QAM	100	0	14.51	14.79	14.91	14.64	14.48			
20	64QAM	1	0	14.19	14.22	14.37	14.23	14.00			
20	64QAM	1	49	14.08	14.20	14.23	14.08	14.08			
20	64QAM	1	99	14.02	14.04	14.22	13.99	14.04	15.5	0	
20	64QAM	50	0	14.63	14.72	14.74	14.62	14.49			
20	64QAM	50	24	14.54	14.77	14.78	14.84	14.50			
20	64QAM	50	50	14.60	14.66	14.69	14.44	14.49			
20	64QAM	100	0	14.76	14.85	14.86	14.64	14.53	Tune-up limit (dBm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	14.59	14.89	14.80	14.52	14.56	22.5	0	
15	QPSK	1	37	14.44	14.79	14.79	14.67	14.44			
15	QPSK	1	74	14.51	14.59	14.77	14.40	14.45			
15	QPSK	36	0	14.56	14.70	14.87	14.68	14.49			
15	QPSK	36	20	14.47	14.74	14.60	14.75	14.54	22.5	0	
15	QPSK	36	39	14.40	14.67	14.75	14.53	14.50			
15	QPSK	75	0	14.55	14.63	14.80	14.56	14.45			
15	16QAM	1	0	14.52	14.65	14.72	14.71	14.34			
15	16QAM	1	37	14.43	14.65	14.74	14.47	14.38	22.5	0	
15	16QAM	1	74	14.45	14.51	14.69	14.40	14.31			
15	16QAM	36	0	14.60	14.73	14.81	14.64	14.45			
15	16QAM	36	20	14.37	14.78	14.79	14.54	14.51			
15	16QAM	36	39	14.41	14.67	14.72	14.47	14.43	22.5	0	
15	16QAM	75	0	14.43	14.71	14.77	14.51	14.38			
15	64QAM	1	0	14.14	14.19	14.30	14.11	13.85			
15	64QAM	1	37	14.00	14.14	14.20	13.99	14.01			
15	64QAM	1	74	13.90	13.89	14.07	13.94	13.86	22.5	0	
15	64QAM	36	0	14.57	14.61	14.67	14.56	14.43			
15	64QAM	36	20	14.42	14.70	14.68	14.77	14.41			
15	64QAM	36	39	14.51	14.52	14.57	14.32	14.45			
15	64QAM	75	0	14.68	14.74	14.82	14.57	14.46	Tune-up limit (dBm)	MPR (dB)	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	14.54	14.80	14.84	14.58	14.56	15.5	0	
10	QPSK	1	25	14.43	14.72	14.79	14.61	14.45			
10	QPSK	1	49	14.52	14.58	14.80	14.41	14.38			
10	QPSK	25	0	14.55	14.67	14.76	14.65	14.56			
10	QPSK	25	12	14.54	14.75	14.58	14.75	14.47	15.5	0	
10	QPSK	25	25	14.39	14.67	14.72	14.59	14.51			
10	QPSK	50	0	14.59	14.71	14.76	14.61	14.53			
10	16QAM	1	0	14.53	14.68	14.73	14.63	14.31			
10	16QAM	1	25	14.43	14.66	14.72	14.48	14.42	15.5	0	
10	16QAM	1	49	14.39	14.49	14.62	14.35	14.29			
10	16QAM	25	0	14.66	14.79	14.77	14.65	14.46			
10	16QAM	25	12	14.38	14.78	14.73	14.58	14.48			
10	16QAM	25	25	14.45	14.66	14.76	14.46	14.48	15.5	0	
10	16QAM	50	0	14.47	14.74	14.86	14.61	14.54			
10	64QAM	1	0	14.14	14.12	14.28	14.11	13.94			
10	64QAM	1	25	13.97	14.12	14.15	14.04	13.98			
10	64QAM	1	49	13.96	13.97	14.11	13.96	13.93	15.5	0	
10	64QAM	25	0	14.51	14.68	14.61	14.54	14.43			
10	64QAM	25	12	14.47	14.74	14.74	14.78	14.46			
10	64QAM	25	25	14.54	14.57	14.61	14.30	14.43			
10	64QAM	50	0	14.73	14.73	14.74	14.60	14.41	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	14.61	14.88	14.84	14.55	14.47	15.5	0	
5	QPSK	1	12	14.44	14.76	14.79	14.60	14.47			
5	QPSK	1	24	14.50	14.63	14.84	14.39	14.49			
5	QPSK	12	0	14.56	14.76	14.77	14.67	14.49			
5	QPSK	12	7	14.44	14.78	14.66	14.75	14.53	15.5	0	
5	QPSK	12	13	14.48	14.64	14.75	14.61	14.52			
5	QPSK	25	0	14.55	14.66	14.81	14.61	14.53			
5	16QAM	1	0	14.49	14.74	14.66	14.72	14.38			
5	16QAM	1	12	14.34	14.65	14.65	14.53	14.42	15.5	0	
5	16QAM	1	24	14.47	14.51	14.70	14.41	14.27			
5	16QAM	12	0	14.69	14.75	14.84	14.64	14.42			
5	16QAM	12	7	14.38	14.78	14.75	14.54	14.47			
5	16QAM	12	13	14.42	14.57	14.73	14.46	14.49	15.5	0	
5	16QAM	25	0	14.42	14.70	14.87	14.51	14.44			
5	64QAM	1	0	14.13	14.14	14.27	14.08	13.93			
5	64QAM	1	12	14.00	14.10	14.08	13.96	13.95			
5	64QAM	1	24	13.97	13.95	14.08	13.90	13.92	15.5	0	
5	64QAM	12	0	14.56	14.65	14.68	14.50	14.35			
5	64QAM	12	7	14.49	14.67	14.74	14.75	14.40			
5	64QAM	12	13	14.46	14.54	14.61	14.31	14.39			
5	64QAM	25	0	14.64	14.76	14.74	14.50	14.45			

Band 41 HPUE Ant2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	17.81	17.90	17.95	17.83	17.79	18.5	0	
20	QPSK	1	49	17.79	17.63	17.94	17.75	17.62			
20	QPSK	1	99	17.83	17.73	17.85	17.54	17.63			
20	QPSK	50	0	17.70	17.73	17.74	17.67	17.66			
20	QPSK	50	24	17.43	17.60	17.67	17.44	17.50	18.5	0	
20	QPSK	50	50	17.62	17.64	17.58	17.47	17.51			
20	QPSK	100	0	17.49	17.69	17.73	17.46	17.36			
20	16QAM	1	0	17.55	17.62	17.63	17.45	17.57			
20	16QAM	1	49	17.61	17.69	17.93	17.40	17.48	18.5	0	
20	16QAM	1	99	17.62	17.56	17.68	17.37	17.37			
20	16QAM	50	0	17.62	17.65	17.79	17.47	17.52			
20	16QAM	50	24	17.49	17.56	17.53	17.47	17.46			
20	16QAM	50	50	17.47	17.78	17.69	17.42	17.43	18.5	0	
20	16QAM	100	0	17.57	17.58	17.74	17.46	17.25			
20	64QAM	1	0	17.35	17.29	17.38	17.23	17.33			
20	64QAM	1	49	17.26	17.26	17.47	17.16	17.19			
20	64QAM	1	99	17.37	17.45	17.47	17.21	17.17	18.5	0	
20	64QAM	50	0	17.73	17.80	17.88	17.61	17.63			
20	64QAM	50	24	17.64	17.73	17.75	17.50	17.63			
20	64QAM	50	50	17.86	17.74	17.85	17.69	17.55			
20	64QAM	100	0	17.75	17.84	17.80	17.54	17.53	Tune-up limit (dbm)	MPR (dB)	
Channel				39725	40173	40620	41088	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5			
15	QPSK	1	0	17.69	17.81	17.83	17.79	17.69	18.5	0	
15	QPSK	1	37	17.76	17.56	17.80	17.69	17.57			
15	QPSK	1	74	17.80	17.67	17.82	17.48	17.51			
15	QPSK	36	0	17.58	17.61	17.62	17.57	17.53			
15	QPSK	36	20	17.31	17.50	17.52	17.30	17.41	18.5	0	
15	QPSK	36	39	17.53	17.60	17.45	17.38	17.43			
15	QPSK	75	0	17.39	17.63	17.61	17.34	17.30			
15	16QAM	1	0	17.40	17.57	17.48	17.34	17.52			
15	16QAM	1	37	17.50	17.60	17.59	17.37	17.42	18.5	0	
15	16QAM	1	74	17.55	17.48	17.59	17.27	17.31			
15	16QAM	36	0	17.56	17.54	17.67	17.41	17.42			
15	16QAM	36	20	17.38	17.47	17.41	17.36	17.40			
15	16QAM	36	39	17.43	17.67	17.63	17.32	17.35	18.5	0	
15	16QAM	75	0	17.44	17.55	17.69	17.34	17.21			
15	64QAM	1	0	17.24	17.23	17.36	17.17	17.29			
15	64QAM	1	37	17.19	17.12	17.43	17.08	17.15			
15	64QAM	1	74	17.30	17.34	17.44	17.09	17.09	18.5	0	
15	64QAM	36	0	17.58	17.74	17.82	17.58	17.56			
15	64QAM	36	20	17.58	17.64	17.69	17.40	17.50			
15	64QAM	36	39	17.79	17.71	17.80	17.65	17.47			
15	64QAM	75	0	17.64	17.80	17.68	17.48	17.38	Tune-up limit (dbm)	MPR (dB)	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	17.68	17.85	17.80	17.79	17.66	18.5	0	
10	QPSK	1	25	17.73	17.55	17.86	17.71	17.56			
10	QPSK	1	49	17.68	17.62	17.74	17.49	17.50			
10	QPSK	25	0	17.61	17.67	17.65	17.57	17.52			
10	QPSK	25	12	17.30	17.49	17.55	17.38	17.46	18.5	0	
10	QPSK	25	25	17.51	17.56	17.54	17.36	17.44			
10	QPSK	50	0	17.37	17.66	17.67	17.36	17.24			
10	16QAM	1	0	17.48	17.50	17.57	17.38	17.50			
10	16QAM	1	25	17.57	17.65	17.58	17.32	17.40	18.5	0	
10	16QAM	1	49	17.57	17.47	17.65	17.26	17.26			
10	16QAM	25	0	17.56	17.59	17.65	17.42	17.37			
10	16QAM	25	12	17.36	17.51	17.45	17.37	17.43			
10	16QAM	25	25	17.34	17.63	17.59	17.38	17.35	18.5	0	
10	16QAM	50	0	17.49	17.52	17.63	17.42	17.17			
10	64QAM	1	0	17.21	17.17	17.28	17.15	17.24			
10	64QAM	1	25	17.19	17.11	17.42	17.10	17.15			
10	64QAM	1	49	17.28	17.35	17.41	17.12	17.02	18.5	0	
10	64QAM	25	0	17.60	17.71	17.79	17.57	17.58			
10	64QAM	25	12	17.51	17.65	17.67	17.38	17.59			
10	64QAM	25	25	17.61	17.63	17.72	17.58	17.43			
10	64QAM	50	0	17.69	17.72	17.66	17.45	17.47	Tune-up limit (dbm)	MPR (dB)	
Channel				39675	40146	40620	41063	41663			
Frequency (MHz)				2499.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.66	17.80	17.87	17.74	17.74	18.5	0	
5	QPSK	1	12	17.75	17.59	17.82	17.71	17.57			
5	QPSK	1	24	17.70	17.61	17.73	17.45	17.50			
5	QPSK	12	0	17.66	17.62	17.65	17.55	17.59			
5	QPSK	12	7	17.36	17.46	17.61	17.35	17.44	18.5	0	
5	QPSK	12	13	17.59	17.53	17.45	17.41	17.45			
5	QPSK	25	0	17.38	17.62	17.64	17.38	17.29			
5	16QAM	1	0	17.47	17.57	17.49	17.34	17.48			
5	16QAM	1	12	17.57	17.56	17.58	17.27	17.36	18.5	0	
5	16QAM	1	24	17.51	17.47	17.58	17.22	17.25			
5	16QAM	12	0	17.52	17.54	17.68	17.33	17.48			
5	16QAM	12	7	17.41	17.52	17.48	17.34	17.39			
5	16QAM	12	13	17.41	17.73	17.62	17.35	17.37	18.5	0	
5	16QAM	25	0	17.44	17.46	17.64	17.36	17.16			
5	64QAM	1	0	17.28	17.20	17.35	17.20	17.30			
5	64QAM	1	12	17.19	17.20	17.37	17.04	17.12			
5	64QAM	1	24	17.32	17.35	17.36	17.18	17.03	18.5	0	
5	64QAM	12	0	17.62	17.74	17.76	17.53	17.49			
5	64QAM	12	7	17.53	17.69	17.67	17.41	17.59			
5	64QAM	12	13	17.77	17.69	17.80	17.59	17.46			
5	64QAM	25	0	17.66	17.72	17.73	17.50	17.45			

Band 2 Ant4												
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)				16700	16900	17100						
20	QPSK	1	0	13.65	13.70	13.62	14.5	0				
20	QPSK	1	49	13.61	13.65	13.54						
20	QPSK	1	99	13.49	13.61	13.51						
20	QPSK	50	0	13.54	13.67	13.58						
20	QPSK	50	24	13.52	13.63	13.48	14.5	0				
20	QPSK	50	50	13.45	13.59	13.43						
20	QPSK	100	0	13.52	13.62	13.52						
20	16QAM	1	0	13.49	13.58	13.43						
20	16QAM	1	49	13.41	13.53	13.46	14.5	0				
20	16QAM	1	99	13.39	13.51	13.42						
20	16QAM	50	0	13.33	13.46	13.38						
20	16QAM	50	24	13.50	13.53	13.39						
20	16QAM	50	50	13.33	13.50	13.38	14.5	0				
20	16QAM	100	0	13.38	13.46	13.35						
20	64QAM	1	0	13.43	13.49	13.41						
20	64QAM	1	49	13.29	13.42	13.37						
20	64QAM	1	99	13.37	13.47	13.43	14.5	0				
20	64QAM	50	0	13.38	13.41	13.31						
20	64QAM	50	24	13.30	13.36	13.21						
20	64QAM	50	50	13.28	13.35	13.29						
20	64QAM	100	0	13.17	13.30	13.19	14.5	0				
Channel												
Frequency (MHz)				16875	16900	17125				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	13.54	13.55	13.50				14.5	0	
15	QPSK	1	37	13.45	13.52	13.40						
15	QPSK	1	74	13.41	13.51	13.42						
15	QPSK	36	0	13.38	13.58	13.43						
15	QPSK	36	20	13.48	13.60	13.41	14.5	0				
15	QPSK	36	39	13.35	13.51	13.38						
15	QPSK	75	0	13.42	13.57	13.40						
15	16QAM	1	0	13.35	13.45	13.31						
15	16QAM	1	37	13.28	13.41	13.43	14.5	0				
15	16QAM	1	74	13.30	13.42	13.29						
15	16QAM	36	0	13.16	13.38	13.31						
15	16QAM	36	20	13.34	13.43	13.28						
15	16QAM	36	39	13.30	13.39	13.24	14.5	0				
15	16QAM	75	0	13.34	13.31	13.25						
15	64QAM	1	0	13.38	13.41	13.33						
15	64QAM	1	37	13.15	13.30	13.28						
15	64QAM	1	74	13.29	13.42	13.29	14.5	0				
15	64QAM	36	0	13.23	13.28	13.17						
15	64QAM	36	20	13.17	13.32	13.18						
15	64QAM	36	39	13.20	13.25	13.21						
15	64QAM	75	0	13.07	13.23	13.15	14.5	0				
Channel												
Frequency (MHz)				16850	16900	17150				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	13.49	13.62	13.51				14.5	0	
10	QPSK	1	25	13.52	13.51	13.38						
10	QPSK	1	49	13.40	13.49	13.44						
10	QPSK	25	0	13.48	13.56	13.45						
10	QPSK	25	12	13.43	13.58	13.33	14.5	0				
10	QPSK	25	25	13.40	13.52	13.27						
10	QPSK	50	0	13.45	13.46	13.48						
10	16QAM	1	0	13.44	13.45	13.34						
10	16QAM	1	25	13.34	13.46	13.34	14.5	0				
10	16QAM	1	49	13.29	13.37	13.39						
10	16QAM	25	0	13.28	13.34	13.23						
10	16QAM	25	12	13.43	13.44	13.25						
10	16QAM	25	25	13.29	13.43	13.31	14.5	0				
10	16QAM	50	0	13.26	13.37	13.21						
10	64QAM	1	0	13.28	13.41	13.35						
10	64QAM	1	25	13.13	13.33	13.25						
10	64QAM	1	49	13.26	13.36	13.38	14.5	0				
10	64QAM	25	0	13.31	13.28	13.18						
10	64QAM	25	12	13.14	13.26	13.10						
10	64QAM	25	25	13.11	13.26	13.25						
10	64QAM	50	0	13.03	13.14	13.11						
Channel												
Frequency (MHz)				16825	16900	17175				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	13.52	13.56	13.57	14.5	0				
5	QPSK	1	12	13.51	13.50	13.45						
5	QPSK	1	24	13.35	13.49	13.42						
5	QPSK	12	0	13.39	13.56	13.51						
5	QPSK	12	7	13.45	13.58	13.32	14.5	0				
5	QPSK	12	13	13.34	13.54	13.36						
5	QPSK	25	0	13.42	13.57	13.40						
5	16QAM	1	0	13.37	13.42	13.38						
5	16QAM	1	12	13.26	13.45	13.35	14.5	0				
5	16QAM	1	24	13.28	13.35	13.27						
5	16QAM	12	0	13.31	13.41	13.31						
5	16QAM	12	7	13.40	13.39	13.33						
5	16QAM	12	13	13.17	13.44	13.34	14.5	0				
5	16QAM	25	0	13.22	13.33	13.20						
5	64QAM	1	0	13.31	13.37	13.35						
5	64QAM	1	12	13.23	13.30	13.27						
5	64QAM	1	24	13.30	13.32	13.30	14.5	0				
5	64QAM	12	0	13.31	13.30	13.21						
5	64QAM	12	7	13.23	13.31	13.12						
5	64QAM	12	13	13.12	13.21	13.13						
5	64QAM	25	0	13.08	13.21	13.13						
Channel												
Frequency (MHz)				16815	16900	17185				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	13.49	13.60	13.51	14.5	0				
3	QPSK	1	8	13.53	13.51	13.42						
3	QPSK	1	14	13.46	13.53	13.47						
3	QPSK	8	0	13.46	13.54	13.55						
3	QPSK	8	4	13.44	13.49	13.36	14.5	0				
3	QPSK	8	7	13.34	13.56	13.28						
3	QPSK	15	0	13.47	13.46	13.45						
3	16QAM	1	0	13.44	13.51	13.31						
3	16QAM	1	8	13.29	13.50	13.40	14.5	0				
3	16QAM	1	14	13.25	13.39	13.33						
3	16QAM	8	0	13.18	13.34	13.30						
3	16QAM	8	4	13.38	13.40	13.33						
3	16QAM	8	7	13.20	13.46	13.30	14.5	0				
3	16QAM	15	0	13.31	13.31	13.22						
3	64QAM	1	0	13.26	13.36	13.35						
3	64QAM	1	8	13.12	13.36	13.30						
3	64QAM	1	14	13.25	13.34	13.29	14.5	0				
3	64QAM	8	0	13.24	13.37	13.22						
3	64QAM	8	4	13.21	13.31	13.04						
3	64QAM	8	7	13.24	13.23	13.17						
3	64QAM	15	0	13.11	13.24	13.14						
Channel												
Frequency (MHz)				16807	16900	17193				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	13.40	13.56	13.56	14.5	0				
1.4	QPSK	1	3	13.40	13.58	13.49						
1.4	QPSK	1	5	13.41	13.58	13.48						
1.4	QPSK	3	0	13.39	13.52	13.49						
1.4	QPSK	3	1	13.40	13.50	13.44	14.5	0				
1.4	QPSK	3	3	13.33	13.50	13.33						
1.4	QPSK	6	0	13.49	13.56	13.48						
1.4	16QAM	1	0	13.43	13.42	13.27						
1.4	16QAM	1	3	13.30	13.43	13.29	14.5	0				
1.4	16QAM	1	5	13.35	13.37	13.23						
1.4	16QAM	3	0	13.24	13.41	13.25						
1.4	16QAM	3	1	13.42	13.47	13.31						
1.4	16QAM	3	3	13.17	13.34	13.33	14.5	0				
1.4	16QAM	6	0	13.28	13.38	13.30						
1.4	64QAM	1	0	13.39	13.44	13.36						
1.4	64QAM	1	3	13.13	13.32	13.30						
1.4	64QAM	1	5	13.30	13.29	13.38	14.5	0				
1.4	64QAM	3	0	13.28	13.37	13.23						
1.4	64QAM	3	1	13.21	13.21	13.12						
1.4	64QAM	3	3	13.22	13.26	13.17						
1.4	64QAM	6	0	13.02	13.19	13.15	14.5	0				

Band 7 Ant4

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	7.64	7.67	7.69		
20	QPSK	1	49	7.49	7.61	7.55	8	0
20	QPSK	1	99	7.56	7.51	7.43		
20	QPSK	50	0	7.60	7.61	7.48		
20	QPSK	50	24	7.52	7.46	7.57	8	0
20	QPSK	50	50	7.51	7.57	7.49		
20	QPSK	100	0	7.41	7.56	7.55		
20	16QAM	1	0	7.41	7.58	7.43	8	0
20	16QAM	1	49	7.46	7.52	7.36		
20	16QAM	1	99	7.54	7.36	7.50		
20	16QAM	50	0	7.37	7.42	7.44		
20	16QAM	50	24	7.42	7.37	7.37	8	0
20	16QAM	50	50	7.54	7.57	7.45		
20	16QAM	100	0	7.52	7.56	7.55		
20	64QAM	1	0	7.47	7.49	7.51		
20	64QAM	1	49	7.38	7.54	7.42	8	0
20	64QAM	1	99	7.44	7.44	7.40		
20	64QAM	50	0	7.47	7.46	7.44		
20	64QAM	50	24	7.37	7.42	7.43	8	0
20	64QAM	50	50	7.38	7.44	7.44		
20	64QAM	100	0	7.39	7.47	7.39		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	7.55	7.61	7.50		
15	QPSK	1	37	7.33	7.50	7.51	8	0
15	QPSK	1	74	7.41	7.39	7.36		
15	QPSK	36	0	7.55	7.54	7.41		
15	QPSK	36	20	7.44	7.35	7.49	8	0
15	QPSK	36	39	7.40	7.44	7.40		
15	QPSK	75	0	7.33	7.49	7.51		
15	16QAM	1	0	7.36	7.42	7.32		
15	16QAM	1	37	7.35	7.39	7.26	8	0
15	16QAM	1	74	7.42	7.29	7.41		
15	16QAM	36	0	7.24	7.31	7.37		
15	16QAM	36	20	7.31	7.26	7.26	8	0
15	16QAM	36	39	7.39	7.47	7.35		
15	16QAM	75	0	7.44	7.50	7.44		
15	64QAM	1	0	7.33	7.44	7.35		
15	64QAM	1	37	7.26	7.41	7.26	8	0
15	64QAM	1	74	7.39	7.29	7.31		
15	64QAM	36	0	7.34	7.31	7.37		
15	64QAM	36	20	7.23	7.32	7.29	8	0
15	64QAM	36	39	7.28	7.30	7.29		
15	64QAM	75	0	7.34	7.41	7.32		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	7.55	7.60	7.54		
10	QPSK	1	25	7.39	7.53	7.42	8	0
10	QPSK	1	49	7.47	7.39	7.31		
10	QPSK	25	0	7.44	7.56	7.32		
10	QPSK	25	12	7.41	7.39	7.52	8	0
10	QPSK	25	25	7.35	7.53	7.41		
10	QPSK	50	0	7.34	7.41	7.46		
10	16QAM	1	0	7.29	7.51	7.27		
10	16QAM	1	25	7.37	7.44	7.23	8	0
10	16QAM	1	49	7.40	7.26	7.45		
10	16QAM	25	0	7.29	7.33	7.28		
10	16QAM	25	12	7.27	7.23	7.26	8	0
10	16QAM	25	25	7.46	7.46	7.29		
10	16QAM	50	0	7.46	7.50	7.50		
10	64QAM	1	0	7.43	7.44	7.43	8	0
10	64QAM	1	25	7.25	7.39	7.34		
10	64QAM	1	49	7.33	7.28	7.36		
10	64QAM	25	0	7.34	7.39	7.29		
10	64QAM	25	12	7.25	7.31	7.28	8	0
10	64QAM	25	25	7.22	7.31	7.37		
10	64QAM	50	0	7.33	7.36	7.24		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	7.52	7.51	7.48		
5	QPSK	1	12	7.42	7.54	7.47	8	0
5	QPSK	1	24	7.47	7.39	7.34		
5	QPSK	12	0	7.52	7.50	7.41		
5	QPSK	12	7	7.48	7.37	7.50	8	0
5	QPSK	12	13	7.43	7.47	7.34		
5	QPSK	25	0	7.32	7.51	7.44		
5	16QAM	1	0	7.34	7.51	7.34		
5	16QAM	1	12	7.34	7.46	7.30	8	0
5	16QAM	1	24	7.43	7.32	7.35		
5	16QAM	12	0	7.28	7.27	7.38		
5	16QAM	12	7	7.30	7.24	7.33	8	0
5	16QAM	12	13	7.40	7.48	7.30		
5	16QAM	25	0	7.44	7.44	7.48		
5	64QAM	1	0	7.38	7.42	7.44		
5	64QAM	1	12	7.32	7.45	7.34	8	0
5	64QAM	1	24	7.40	7.34	7.28		
5	64QAM	12	0	7.34	7.39	7.33		
5	64QAM	12	7	7.24	7.27	7.37	8	0
5	64QAM	12	13	7.30	7.38	7.35		
5	64QAM	25	0	7.24	7.42	7.34		

Band 12 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	19.98	20.04	20.03		
10	QPSK	1	25	19.89	19.93	19.98	20.5	0
10	QPSK	1	49	19.98	19.91	19.86		
10	QPSK	25	0	19.95	19.91	19.93		
10	QPSK	25	12	19.89	19.96	19.91	20.5	0
10	QPSK	25	25	19.89	19.97	19.94		
10	QPSK	50	0	19.81	19.90	19.83		
10	16QAM	1	0	19.83	19.88	19.80		
10	16QAM	1	25	19.81	19.85	19.78	20.5	0
10	16QAM	1	49	19.93	19.79	19.89		
10	16QAM	25	0	19.73	19.87	19.79		
10	16QAM	25	12	19.73	19.82	19.77	20.5	0
10	16QAM	25	25	19.85	19.95	19.80		
10	16QAM	50	0	19.87	19.94	19.88		
10	64QAM	1	0	19.89	19.83	19.83		
10	64QAM	1	25	19.72	19.89	19.81	20.5	0
10	64QAM	1	49	19.82	19.79	19.72		
10	64QAM	25	0	19.60	19.62	19.43		
10	64QAM	25	12	19.48	19.55	19.48	20	0.5
10	64QAM	25	25	19.53	19.51	19.53		
10	64QAM	50	0	19.53	19.58	19.44		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	19.92	19.95	19.97		
5	QPSK	1	12	19.79	19.91	19.90	20.5	0
5	QPSK	1	24	19.85	19.77	19.73		
5	QPSK	12	0	19.80	19.94	19.83		
5	QPSK	12	7	19.74	19.81	19.84	20.5	0
5	QPSK	12	13	19.81	19.83	19.88		
5	QPSK	25	0	19.69	19.77	19.69		
5	16QAM	1	0	19.70	19.77	19.70		
5	16QAM	1	12	19.68	19.80	19.69	20.5	0
5	16QAM	1	24	19.66	19.73	19.73		
5	16QAM	12	0	19.66	19.77	19.71		
5	16QAM	12	7	19.57	19.75	19.70	20.5	0
5	16QAM	12	13	19.70	19.89	19.71		
5	16QAM	25	0	19.91	19.84	19.84		
5	64QAM	1	0	19.78	19.68	19.78		
5	64QAM	1	12	19.65	19.85	19.77	20.5	0
5	64QAM	1	24	19.68	19.64	19.66		
5	64QAM	12	0	19.39	19.60	19.44		
5	64QAM	12	7	19.35	19.50	19.26	20	0.5
5	64QAM	12	13	19.38	19.43	19.33		
5	64QAM	25	0	19.34	19.46	19.37		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	19.82	20.05	19.98		
3	QPSK	1	8	19.78	19.88	19.84	20.5	0
3	QPSK	1	14	19.92	19.77	19.80		
3	QPSK	8	0	19.88	19.86	19.87		
3	QPSK	8	4	19.81	19.84	19.82	20.5	0
3	QPSK	8	7	19.73	19.81	19.83		
3	QPSK	15	0	19.75	19.74	19.69		
3	16QAM	1	0	19.78	19.82	19.73		
3	16QAM	1	8	19.71	19.78	19.63	20.5	0
3	16QAM	1	14	19.82	19.68	19.82		
3	16QAM	8	0	19.68	19.79	19.67		
3	16QAM	8	4	19.66	19.77	19.64	20.5	0
3	16QAM	8	7	19.79	19.80	19.68		
3	16QAM	15	0	19.91	19.82	19.72		
3	64QAM	1	0	19.79	19.74	19.77	20.5	0
3	64QAM	1	8	19.59	19.81	19.68		
3	64QAM	1	14	19.67	19.69	19.64		
3	64QAM	8	0	19.59	19.42	19.23		
3	64QAM	8	4	19.33	19.37	19.29	20	0.5
3	64QAM	8	7	19.47	19.39	19.48		
3	64QAM	15	0	19.44	19.38	19.35		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	19.86	19.98	19.93		
1.4	QPSK	1	3	19.80	19.94	19.92	20.5	0
1.4	QPSK	1	5	19.89	19.78	19.80		
1.4	QPSK	3	0	19.82	19.89	19.84		
1.4	QPSK	3	1	19.78	19.86	19.83		
1.4	QPSK	3	3	19.81	19.83	19.85		
1.4	QPSK	6	0	19.72	19.77	19.71	20.5	0
1.4	16QAM	1	0	19.78	19.76	19.71		
1.4	16QAM	1	3	19.67	19.69	19.64		
1.4	16QAM	1	5	19.86	19.67	19.77	20.5	0
1.4	16QAM	3	0	19.63	19.76	19.69		
1.4	16QAM	3	1	19.60	19.72	19.69		
1.4	16QAM	3	3	19.70	19.89	19.72		
1.4	16QAM	6	0	19.83	19.88	19.73	20.5	0
1.4	64QAM	1	0	19.85	19.67	19.78		
1.4	64QAM	1	3	19.67	19.75	19.68		
1.4	64QAM	3	0	19.68	19.65	19.64		
1.4	64QAM	3	0	19.59	19.66	19.55	20.5	0
1.4	64QAM	3	1	19.65	19.72	19.64		
1.4	64QAM	3	3	19.57	19.59	19.53		
1.4	64QAM	6	0	19.27	19.31	19.33	20	0.5

Band 14 Ant4									
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				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
10	QPSK	1	0	20.15	20.22	20.18	21	0	
10	QPSK	1	25	20.03	20.11	19.98			
10	QPSK	1	49	19.96	20.11	20.02			
10	QPSK	1	25	20.07	20.15	20.08			
10	QPSK	1	49	20.00	20.13	20.01	21	0	
10	QPSK	25	0	19.86	20.02	19.88			
10	QPSK	25	12	19.90	20.03	19.95			
10	QPSK	25	25	19.94	20.06	19.99			
10	QPSK	50	0	19.87	19.91	19.77	21	0	
10	16QAM	1	49	19.86	20.05	19.93			
10	16QAM	1	49	19.84	19.98	19.89			
10	16QAM	25	0	19.88	20.00	19.95			
10	16QAM	25	12	19.94	20.00	19.92	21	0	
10	16QAM	25	12	19.78	19.92	19.77			
10	16QAM	25	25	19.97	20.01	19.89			
10	16QAM	50	0	19.18	19.14	19.06			
10	64QAM	1	24	19.07	19.25	19.13	20	1	
10	64QAM	12	7	19.12	19.10	18.97			
10	64QAM	25	0	19.18	19.09	19.31			
10	64QAM	50	0						

Band 17 Ant4									
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				23780	23790	23800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				710	710	711			
10	QPSK	1	0	19.90	19.97	19.93	20.5	0	
10	QPSK	1	25	19.80	19.95	19.87			
10	QPSK	1	49	19.91	19.75	19.73			
10	QPSK	25	0	19.84	19.95	19.88			
10	QPSK	25	12	19.79	19.86	19.79	20.5	0	
10	QPSK	25	25	19.76	19.91	19.83			
10	QPSK	50	0	19.69	19.81	19.70			
10	16QAM	1	0	19.77	19.80	19.71			
10	16QAM	1	25	19.66	19.77	19.68	20.5	0	
10	16QAM	1	49	19.79	19.67	19.75			
10	16QAM	25	0	19.65	19.82	19.68			
10	16QAM	25	12	19.57	19.67	19.67			
10	16QAM	25	25	19.80	19.83	19.72	20.5	0	
10	16QAM	50	0	19.87	19.85	19.79			
10	64QAM	1	0	19.76	19.74	19.76			
10	64QAM	1	25	19.68	19.77	19.76			
10	64QAM	1	49	19.72	19.73	19.59	20.5	0	
10	64QAM	25	0	19.57	19.63	19.53			
10	64QAM	25	12	19.59	19.56	19.55			
10	64QAM	25	25	19.63	19.69	19.67			
10	64QAM	50	0	19.81	19.65	19.59	Tune-up limit (dBm)	MPR (dB)	
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	19.76	19.85	19.84	20.5	0	
5	QPSK	1	12	19.72	19.85	19.78			
5	QPSK	1	24	19.76	19.70	19.68			
5	QPSK	12	0	19.69	19.89	19.79			
5	QPSK	12	7	19.66	19.78	19.71	20.5	0	
5	QPSK	12	13	19.71	19.85	19.73			
5	QPSK	25	0	19.55	19.71	19.61			
5	16QAM	1	0	19.66	19.74	19.58			
5	16QAM	1	12	19.52	19.68	19.61	20.5	0	
5	16QAM	1	24	19.71	19.58	19.66			
5	16QAM	12	0	19.52	19.69	19.54			
5	16QAM	12	7	19.52	19.54	19.58			
5	16QAM	12	13	19.73	19.74	19.62	20.5	0	
5	16QAM	25	0	19.72	19.68	19.73			
5	64QAM	1	0	19.67	19.65	19.64			
5	64QAM	1	12	19.63	19.67	19.64			
5	64QAM	1	24	19.61	19.59	19.51	20	0.5	
5	64QAM	12	0	19.43	19.57	19.38			
5	64QAM	12	7	19.39	19.43	19.54			
5	64QAM	12	13	19.42	19.60	19.46			
5	64QAM	25	0	19.51	19.50	19.37			

Band 25 Ant4									
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				26140	26340	26590	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	13.74	13.81	13.77	14.5	0	
20	QPSK	1	49	13.59	13.68	13.55			
20	QPSK	1	99	13.45	13.61	13.57			
20	QPSK	50	0	13.70	13.78	13.70			
20	QPSK	50	24	13.54	13.67	13.61	14.5	0	
20	QPSK	50	50	13.59	13.72	13.63			
20	QPSK	100	0	13.67	13.73	13.57			
20	16QAM	1	0	13.59	13.69	13.54			
20	16QAM	1	49	13.49	13.55	13.39	14.5	0	
20	16QAM	1	99	13.37	13.48	13.43			
20	16QAM	50	0	13.29	13.37	13.20			
20	16QAM	50	24	13.52	13.59	13.55			
20	16QAM	50	50	13.44	13.50	13.39	14.5	0	
20	16QAM	100	0	13.42	13.46	13.38			
20	64QAM	1	0	13.31	13.41	13.24			
20	64QAM	1	49	13.38	13.51	13.40			
20	64QAM	1	99	13.35	13.40	13.27	14.5	0	
20	64QAM	50	0	13.34	13.42	13.29			
20	64QAM	50	24	13.34	13.45	13.42			
20	64QAM	50	50	13.30	13.36	13.29			
20	64QAM	100	0	13.15	13.25	13.14	Tune-up limit (dBm)	MPR (dB)	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	13.63	13.76	13.61	14.5	0	
15	QPSK	1	37	13.51	13.63	13.51			
15	QPSK	1	74	13.37	13.52	13.50			
15	QPSK	36	0	13.66	13.71	13.56			
15	QPSK	36	20	13.44	13.62	13.56	14.5	0	
15	QPSK	36	39	13.45	13.64	13.59			
15	QPSK	75	0	13.50	13.67	13.48			
15	16QAM	1	0	13.42	13.62	13.46			
15	16QAM	1	37	13.41	13.43	13.27	14.5	0	
15	16QAM	1	74	13.20	13.35	13.31			
15	16QAM	36	0	13.14	13.29	13.17			
15	16QAM	36	20	13.45	13.53	13.45			
15	16QAM	36	39	13.40	13.35	13.29	14.5	0	
15	16QAM	75	0	13.37	13.39	13.33			
15	64QAM	1	0	13.23	13.25	13.10			
15	64QAM	1	37	13.25	13.43	13.27			
15	64QAM	1	74	13.25	13.25	13.20	14.5	0	
15	64QAM	36	0	13.28	13.27	13.19			
15	64QAM	36	20	13.18	13.36	13.37			
15	64QAM	36	39	13.24	13.32	13.21			
15	64QAM	75	0	13.09	13.14	13.01	Tune-up limit (dBm)	MPR (dB)	
Channel				26090	26340	26640			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	13.61	13.70	13.72	14.5	0	
10	QPSK	1	25	13.49	13.52	13.49			
10	QPSK	1	49	13.32	13.54	13.50			
10	QPSK	25	0	13.57	13.63	13.57			
10	QPSK	25	12	13.42	13.54	13.58	14.5	0	
10	QPSK	25	25	13.49	13.64	13.55			
10	QPSK	50	0	13.62	13.57	13.45			
10	16QAM	1	0	13.47	13.62	13.46	14.5	0	
10	16QAM	1	25	13.37	13.50	13.25			
10	16QAM	1	49	13.25	13.35	13.31			
10	16QAM	25	0	13.12	13.26	13.09			
10	16QAM	25	12	13.34	13.52	13.48	14.5	0	
10	16QAM	25	25	13.29	13.46	13.41			
10	16QAM	50	0	13.34	13.34	13.24			
10	64QAM	1	0	13.16	13.24	13.18			
10	64QAM	1	25	13.21	13.40	13.28	14.5	0	
10	64QAM	1	49	13.18	13.35	13.18			
10	64QAM	25	0	13.19	13.36	13.15			
10	64QAM	25	12	13.18	13.42	13.37			
10	64QAM	25	25	13.15	13.27	13.23	14.5	0	
10	64QAM	50	0	13.05	13.19	13.08			
Channel				26055	26340	26655			
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	13.62	13.77	13.69	14.5	0	
5	QPSK	1	12	13.50	13.60	13.42			
5	QPSK	1	24	13.39	13.45	13.50			
5	QPSK	12	0	13.60	13.75	13.56			
5	QPSK	12	7	13.38	13.51	13.53	14.5	0	
5	QPSK	12	13	13.49	13.57	13.55			
5	QPSK	25	0	13.64	13.68	13.43			
5	16QAM	1	0	13.52	13.63	13.42			
5	16QAM	1	12	13.45	13.39	13.26	14.5	0	
5	16QAM	1	24	13.25	13.34	13.30			
5	16QAM	12	0	13.18	13.24	13.06			
5	16QAM	12	7	13.45	13.55	13.40			
5	16QAM	12	13	13.33	13.44	13.31	14.5	0	
5	16QAM	25	0	13.32	13.39	13.22			
5	64QAM	1	0	13.22	13.36	13.09			
5	64QAM	1	12	13.27	13.36	13.26			
5	64QAM	1	24	13.27	13.37	13.14	14.5	0	
5	64QAM	12	0	13.19	13.37	13.19			
5	64QAM	12	7	13.23	13.41	13.30			
5	64QAM	12	13	13.23	13.21	13.22			
5	64QAM	25	0	13.07	13.09	13.03	Tune-up limit (dBm)	MPR (dB)	
Channel				26055	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	13.61	13.77	13.71	14.5	0	
3	QPSK	1	8	13.47	13.57	13.41			
3	QPSK	1	14	13.36	13.53	13.45			
3	QPSK	8	0	13.56	13.62	13.50			
3	QPSK	8	4	13.44	13.62	13.47	14.5	0	
3	QPSK	8	7	13.47	13.63	13.59			
3	QPSK	15	0	13.62	13.66	13.43			
3	16QAM	1	0	13.48	13.64	13.39			
3	16QAM	1	8	13.38	13.50	13.28	14.5	0	
3	16QAM	1	14	13.22	13.42	13.36			
3	16QAM	8	0	13.23	13.33	13.13			
3	16QAM	8	4	13.42	13.54	13.44			
3	16QAM	8	7	13.32	13.32	13.24	14.5	0	
3	16QAM	15	0	13.33	13.41	13.26			
3	64QAM	1	0	13.16	13.24	13.17			
3	64QAM	1	8	13.21	13.45	13.32			
3	64QAM	1	14	13.28	13.35	13.17	14.5	0	
3	64QAM	8	0	13.19	13.30	13.22			
3	64QAM	8	4	13.25	13.33	13.26			
3	64QAM	8	7	13.25	13.33	13.19			
3	64QAM	15	0	13.10	13.25	13.09	Tune-up limit (dBm)	MPR (dB)	
Channel				26047	26340	26685			
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	13.81	13.85	13.89	14.5	0	
1.4	QPSK	1	3	13.43	13.51	13.47			
1.4	QPSK	1	5	13.34	13.56	13.43			
1.4	QPSK	3	0	13.56	13.61	13.66			
1.4	QPSK	3	1	13.40	13.55	13.53	14.5	0	
1.4	QPSK	3	3	13.45	13.64	13.56			
1.4	QPSK	6	0	13.54	13.66	13.43			
1.4	16QAM	1	0	13.51	13.53	13.46			
1.4	16QAM	1	5	13.39	13.51	13.42	14.5	0	
1.4	16QAM	1	5	13.23	13.33	13.28			
1.4	16QAM	3	0	13.13	13.32	13.15			
1.4	16QAM	3	1	13.43	13.49	13.45			
1.4	16QAM	3	3	13.37	13.37	13.31	14.5	0	
1.4	16QAM	6	0	13.36	13.42	13.27			
1.4	64QAM	1	0	13.18	13.37	13.07			
1.4	64QAM	1	3	13.23	13.46	13.31			
1.4	64QAM	1	5	13.24	13.25	13.15	14.5	0	
1.4	64QAM	3	0	13.19	13.31	13.21			
1.4	64QAM	3	1	13.19	13.38	13.33			
1.4	64QAM	3	3	13.17	13.32	13.20			
1.4	64QAM	6	0	13.01	13.17	13.00	14.5	0	

Band 26 Ant4 for FCC									
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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	19.79	19.95	19.72	20.5	0	
15	QPSK	1	37	19.60	19.80	19.74			
15	QPSK	1	74	19.66	19.65	19.58			
15	QPSK	36	0	19.72	19.92	19.68	20.5	0	
15	QPSK	36	20	19.64	19.75	19.67			
15	QPSK	36	39	19.71	19.83	19.69			
15	QPSK	75	0	19.58	19.86	19.64	20.5	0	
15	16QAM	1	0	19.41	19.56	19.62			
15	16QAM	1	37	19.62	19.59	19.44			
15	16QAM	1	74	19.40	19.70	19.68	20.5	0	
15	16QAM	36	0	19.62	19.70	19.41			
15	16QAM	36	20	19.52	19.62	19.55			
15	16QAM	36	39	19.71	19.65	19.57	20.5	0	
15	16QAM	75	0	19.67	19.77	19.55			
15	64QAM	1	0	19.63	19.66	19.53			
15	64QAM	1	37	19.55	19.67	19.56	20.5	0	
15	64QAM	1	74	19.58	19.43	19.41			
15	64QAM	36	0	19.23	19.27	19.21			
15	64QAM	36	20	19.13	19.14	19.18	20	0.5	
15	64QAM	36	39	19.22	19.24	19.12			
15	64QAM	75	0	19.18	19.29	19.12			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	19.66	19.86	19.57	20.5	0	
10	QPSK	1	25	19.47	19.65	19.60			
10	QPSK	1	49	19.55	19.60	19.52			
10	QPSK	25	0	19.67	19.84	19.62	20.5	0	
10	QPSK	25	12	19.53	19.80	19.61			
10	QPSK	25	25	19.66	19.68	19.56			
10	QPSK	50	0	19.43	19.80	19.57	20.5	0	
10	16QAM	1	0	19.31	19.50	19.51			
10	16QAM	1	25	19.55	19.45	19.34			
10	16QAM	1	49	19.32	19.66	19.54	20.5	0	
10	16QAM	25	0	19.51	19.56	19.33			
10	16QAM	25	12	19.46	19.52	19.41			
10	16QAM	25	25	19.56	19.56	19.47	20.5	0	
10	16QAM	50	0	19.62	19.65	19.46			
10	64QAM	1	0	19.49	19.61	19.38			
10	64QAM	1	25	19.45	19.61	19.50	20.5	0	
10	64QAM	1	49	19.42	19.36	19.28			
10	64QAM	25	0	19.21	19.17	19.00			
10	64QAM	25	12	19.08	19.13	19.12	20	0.5	
10	64QAM	25	25	19.06	19.21	19.95			
10	64QAM	50	0	19.12	19.16	19.13			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	19.64	19.82	19.57	20.5	0	
5	QPSK	1	12	19.56	19.74	19.64			
5	QPSK	1	24	19.59	19.59	19.53			
5	QPSK	12	0	19.67	19.86	19.61	20.5	0	
5	QPSK	12	7	19.58	19.71	19.56			
5	QPSK	12	13	19.62	19.75	19.58			
5	QPSK	25	0	19.53	19.71	19.59	20.5	0	
5	16QAM	1	0	19.28	19.41	19.57			
5	16QAM	1	12	19.58	19.44	19.29			
5	16QAM	1	24	19.35	19.65	19.54	20.5	0	
5	16QAM	12	0	19.52	19.56	19.26			
5	16QAM	12	7	19.44	19.51	19.46			
5	16QAM	12	13	19.58	19.52	19.51	20.5	0	
5	16QAM	25	0	19.57	19.63	19.40			
5	64QAM	1	0	19.49	19.56	19.48			
5	64QAM	1	12	19.42	19.55	19.43	20.5	0	
5	64QAM	1	24	19.50	19.39	19.31			
5	64QAM	12	0	19.02	19.21	19.21			
5	64QAM	12	7	18.96	19.05	19.02	20	0.5	
5	64QAM	12	13	19.07	19.10	19.07			
5	64QAM	25	0	19.03	19.08	18.90			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	19.63	19.79	19.58	20.5	0	
3	QPSK	1	8	19.56	19.68	19.56			
3	QPSK	1	14	19.54	19.59	19.45			
3	QPSK	8	0	19.59	19.83	19.58	20.5	0	
3	QPSK	8	4	19.56	19.67	19.52			
3	QPSK	8	7	19.59	19.69	19.54			
3	QPSK	15	0	19.53	19.74	19.56	20.5	0	
3	16QAM	1	0	19.33	19.47	19.48			
3	16QAM	1	8	19.50	19.43	19.39			
3	16QAM	1	14	19.27	19.70	19.52	20.5	0	
3	16QAM	8	0	19.57	19.60	19.28			
3	16QAM	8	4	19.38	19.52	19.44			
3	16QAM	8	7	19.59	19.49	19.52	20.5	0	
3	16QAM	15	0	19.58	19.66	19.48			
3	64QAM	1	0	19.57	19.56	19.37			
3	64QAM	1	8	19.50	19.56	19.41	20.5	0	
3	64QAM	1	14	19.47	19.33	19.26			
3	64QAM	8	0	19.05	19.25	19.04			
3	64QAM	8	4	19.12	19.00	19.06	20	0.5	
3	64QAM	8	7	19.05	19.07	19.11			
3	64QAM	15	0	19.00	19.30	18.92			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	19.68	19.88	19.68	20.5	0	
1.4	QPSK	1	3	19.46	19.68	19.58			
1.4	QPSK	1	5	19.53	19.52	19.50			
1.4	QPSK	3	0	19.63	19.77	19.56	20.5	0	
1.4	QPSK	3	1	19.54	19.60	19.57			
1.4	QPSK	3	3	19.57	19.77	19.55			
1.4	QPSK	6	0	19.45	19.78	19.52	20.5	0	
1.4	16QAM	1	0	19.32	19.46	19.50			
1.4	16QAM	1	3	19.49	19.53	19.37			
1.4	16QAM	1	5	19.34	19.66	19.52	20.5	0	
1.4	16QAM	3	0	19.51	19.55	19.37			
1.4	16QAM	3	1	19.44	19.47	19.50			
1.4	16QAM	3	3	19.67	19.49	19.53	20.5	0	
1.4	16QAM	6	0	19.56	19.67	19.41			
1.4	64QAM	1	0	19.57	19.52	19.45			
1.4	64QAM	1	3	19.42	19.57	19.51	20.5	0	
1.4	64QAM	1	5	19.46	19.31	19.28			
1.4	64QAM	3	0	19.53	19.59	19.26			
1.4	64QAM	3	1	19.44	19.47	19.40	20.5	0.5	
1.4	64QAM	3	3	19.58	19.58	19.41			
1.4	64QAM	6	0	18.94	19.13	19.09			

Band 30 Ant4									
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				27765	27770	27775	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2310	2310	2310			
10	QPSK	1	0	10.49	10.49	10.49	11.5	0	
10	QPSK	1	25	10.13	10.13	10.31			
10	QPSK	1	49	10.31	10.31	10.31			
10	QPSK	25	0	10.45	10.45	10.45	11.5	0	
10	QPSK	25	12	10.24	10.24	10.24			
10	QPSK	25	25	10.42	10.42	10.42			
10	QPSK	50	0	10.36	10.36	10.36	11.5	0	
10	16QAM	1	0	10.29	10.29	10.29			
10	16QAM	1	25	10.35	10.35	10.35			
10	16QAM	1	49	10.38	10.38	10.38	11.5	0	
10	16QAM	25	0	10.24	10.24	10.24			
10	16QAM	25	12	10.29	10.29	10.29			
10	16QAM	25	25	10.33	10.33	10.33	11.5	0	
10	16QAM	50	0	10.31	10.31	10.31			
10	84QAM	1	0	10.41	10.41	10.41			
10	84QAM	1	25	10.32	10.32	10.32	11.5	0	
10	84QAM	1	49	10.26	10.26	10.26			
10	84QAM	25	0	10.41	10.41	10.41			
10	84QAM	25	12	10.28	10.28	10.28	11.5	0	
10	84QAM	25	25	10.35	10.35	10.35			
10	84QAM	50	0	10.21	10.21	10.21			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	10.21	10.32	10.25	11.5	0	
5	QPSK	1	12	10.09	10.03	10.13			
5	QPSK	1	24	10.07	10.15	9.99			
5	QPSK	12	0	10.17	10.28	10.25	11.5	0	
5	QPSK	12	7	10.04	10.11	10.12			
5	QPSK	12	13	10.01	10.31	10.26			
5	QPSK	25	0	10.06	10.32	10.00	11.5	0	
5	16QAM	1	0	10.04	10.12	10.12			
5	16QAM	1	12	10.28	10.29	10.12			
5	16QAM	1	24	10.18	10.36	10.30	11.5	0	
5	16QAM	12	0	10.07	10.19	10.01			
5	16QAM	12	7	10.18	10.13	10.10			
5	16QAM	12	13	10.35	10.21	10.08	11.5	0	
5	16QAM	25	0	10.33	10.21	10.16			
5	84QAM	1	0	10.11	10.29	10.07			
5	84QAM	1	12	10.12	10.21	10.08	11.5	0	
5	84QAM	1	24	10.07	10.10	9.97			
5	84QAM	12	0	10.13	10.25	9.99			
5	84QAM	12	7	10.10	10.19	10.30	11.5	0	
5	84QAM	12	13	10.02	10.23	10.12			
5	84QAM	25	0	10.08	10.01	10.14			

Band 66 Ant4									
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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.32	14.52	14.43	15.5	0	
20	QPSK	1	49	14.22	14.13	14.16			
20	QPSK	1	99	14.11	14.29	14.12			
20	QPSK	50	0	14.27	14.45	14.37	15.5	0	
20	QPSK	50	24	14.12	14.27	14.26			
20	QPSK	50	50	14.15	14.42	14.31			
20	QPSK	100	0	14.25	14.39	14.11	15.5	0	
20	16QAM	1	0	14.13	14.25	14.26			
20	16QAM	1	49	14.32	14.36	14.13			
20	16QAM	1	99	14.26	14.39	14.32	15.5	0	
20	16QAM	50	0	14.17	14.25	14.12			
20	16QAM	50	24	14.22	14.29	14.16			
20	16QAM	50	50	14.42	14.33	14.14	15.5	0	
20	16QAM	100	0	14.40	14.33	14.28			
20	64QAM	1	0	14.19	14.41	14.17			
20	64QAM	1	49	14.27	14.31	14.25	15.5	0	
20	64QAM	1	99	14.21	14.22	14.11			
20	64QAM	50	0	14.21	14.43	14.15			
20	64QAM	50	24	14.18	14.25	14.33	15.5	0	
20	64QAM	50	50	14.16	14.34	14.26			
20	64QAM	100	0	14.17	14.17	14.21			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	14.26	14.37	14.28	15.5	0	
15	QPSK	1	37	14.08	14.00	14.09			
15	QPSK	1	74	14.04	14.18	13.96			
15	QPSK	36	0	14.21	14.32	14.24	15.5	0	
15	QPSK	36	20	14.02	14.14	14.14			
15	QPSK	36	39	14.04	14.36	14.26			
15	QPSK	75	0	14.10	14.32	14.04	15.5	0	
15	16QAM	1	0	14.04	14.12	14.16			
15	16QAM	1	37	14.27	14.32	14.08			
15	16QAM	1	74	14.19	14.35	14.26	15.5	0	
15	16QAM	36	0	14.05	14.15	14.04			
15	16QAM	36	20	14.13	14.14	14.09			
15	16QAM	36	39	14.36	14.21	14.07	15.5	0	
15	16QAM	75	0	14.28	14.17	14.17			
15	64QAM	1	0	14.09	14.27	14.03			
15	64QAM	1	37	14.15	14.17	14.13	15.5	0	
15	64QAM	1	74	14.10	14.14	13.96			
15	64QAM	36	0	14.16	14.29	14.01			
15	64QAM	36	20	14.07	14.21	14.26	15.5	0	
15	64QAM	36	39	14.05	14.24	14.13			
15	64QAM	75	0	14.08	14.05	14.14			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	14.26	14.40	14.28	15.5	0	
10	QPSK	1	25	14.11	14.06	14.05			
10	QPSK	1	49	14.02	14.14	13.97			
10	QPSK	25	0	14.12	14.38	14.32	15.5	0	
10	QPSK	25	12	13.98	14.14	14.17			
10	QPSK	25	25	14.02	14.30	14.26			
10	QPSK	50	0	14.13	14.32	14.04	15.5	0	
10	16QAM	1	0	14.06	14.09	14.11			
10	16QAM	1	25	14.25	14.26	14.04			
10	16QAM	1	49	14.18	14.31	14.21	15.5	0	
10	16QAM	25	0	14.05	14.15	14.02			
10	16QAM	25	12	14.12	14.24	14.04			
10	16QAM	25	25	14.34	14.20	14.02	15.5	0	
10	16QAM	50	0	14.29	14.18	14.16			
10	64QAM	1	0	14.15	14.26	14.01			
10	64QAM	1	25	14.21	14.15	14.19	15.5	0	
10	64QAM	1	49	14.17	14.09	13.99			
10	64QAM	25	0	14.16	14.39	14.00			
10	64QAM	25	12	14.09	14.20	14.22	15.5	0	
10	64QAM	25	25	14.03	14.24	14.12			
10	64QAM	50	0	14.12	14.05	14.14			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	14.23	14.47	14.37	15.5	0	
5	QPSK	1	12	14.11	14.06	14.04			
5	QPSK	1	24	14.01	14.22	13.99			
5	QPSK	12	0	14.20	14.39	14.23	15.5	0	
5	QPSK	12	7	14.03	14.19	14.18			
5	QPSK	12	13	14.07	14.27	14.24			
5	QPSK	25	0	14.13	14.28	14.07	15.5	0	
5	16QAM	1	0	14.03	14.12	14.15			
5	16QAM	1	12	14.25	14.23	14.03			
5	16QAM	1	24	14.16	14.29	14.18	15.5	0	
5	16QAM	12	0	14.03	14.11	14.03			
5	16QAM	12	7	14.13	14.16	14.05			
5	16QAM	12	13	14.37	14.22	13.98	15.5	0	
5	16QAM	25	0	14.28	14.27	14.13			
5	64QAM	1	0	14.05	14.28	14.09			
5	64QAM	1	12	14.12	14.16	14.11	15.5	0	
5	64QAM	1	24	14.05	14.13	14.01			
5	64QAM	12	0	14.07	14.31	13.99			
5	64QAM	12	7	14.06	14.20	14.21	15.5	0	
5	64QAM	12	13	14.08	14.26	14.18			
5	64QAM	25	0	14.10	14.10	14.16			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	14.19	14.39	14.34	15.5	0	
3	QPSK	1	8	14.11	13.99	14.02			
3	QPSK	1	14	14.05	14.18	14.05			
3	QPSK	8	0	14.13	14.35	14.24	15.5	0	
3	QPSK	8	4	13.98	14.16	14.19			
3	QPSK	8	7	14.03	14.28	14.22			
3	QPSK	15	0	14.13	14.31	13.97	15.5	0	
3	16QAM	1	0	14.00	14.13	14.21			
3	16QAM	1	8	14.16	14.29	14.07			
3	16QAM	1	14	14.18	14.27	14.17	15.5	0	
3	16QAM	8	0	14.12	14.12	14.08			
3	16QAM	8	4	14.11	14.23	14.00			
3	16QAM	8	7	14.33	14.22	14.09	15.5	0	
3	16QAM	15	0	14.31	14.20	14.14			
3	64QAM	1	0	14.06	14.34	14.07			
3	64QAM	1	8	14.12	14.20	14.09	15.5	0	
3	64QAM	1	14	14.10	14.16	14.06			
3	64QAM	8	0	14.07	14.27	14.05			
3	64QAM	8	4	14.02	14.16	14.19	15.5	0	
3	64QAM	8	7	14.03	14.24	14.21			
3	64QAM	15	0	14.10	14.05	14.08			
Channel				131973	132322	132663	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	14.27	14.37	14.27	15.5	0	
1.4	QPSK	1	3	14.13	14.05	14.05			
1.4	QPSK	1	5	14.00	14.17	14.02			
1.4	QPSK	3	0	14.11	14.41	14.32	15.5	0	
1.4	QPSK	3	1	14.06	14.12	14.11			
1.4	QPSK	3	3	14.03	14.36	14.25			
1.4	QPSK	6	0	14.20	14.27	13.99	15.5	0	
1.4	16QAM	1	0	14.07	14.19	14.17			
1.4	16QAM	1	3	14.16	14.27	14.02			
1.4	16QAM	1	5	14.12	14.35	14.27	15.5	0	
1.4	16QAM	3	0	14.03	14.19	14.02			
1.4	16QAM	3	1	14.11	14.24	14.02			
1.4	16QAM	3	3	14.26	14.23	14.05	15.5	0	
1.4	16QAM	6	0	14.34	14.17	14.15			
1.4	64QAM	1	0	14.03	14.30	14.11			
1.4	64QAM	1	3	14.12	14.20	14.17	15.5	0	
1.4	64QAM	1	5	14.00	14.16	14.03			
1.4	64QAM	3	0	14.16	14.38	14.00			
1.4	64QAM	3	1	14.10	14.19	14.24	15.5	0	
1.4	64QAM	3	3	14.07	14.23	14.18			
1.4	64QAM	6	0	14.13	14.06	14.11			

Band 41 Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	10.99	11.15	11.32	11.22	11.17	12	0
20	QPSK	1	49	10.93	10.91	11.26	11.10	11.16		
20	QPSK	1	99	10.93	11.08	11.21	11.32	11.18		
20	QPSK	50	0	10.70	10.87	11.20	10.91	10.99		
20	QPSK	50	24	10.71	10.77	11.08	11.01	11.02		
20	QPSK	50	50	10.74	10.85	10.91	10.91	10.92	12	0
20	QPSK	100	0	10.84	10.89	11.16	11.05	11.07		
20	16QAM	1	0	10.71	10.77	11.17	10.87	11.05		
20	16QAM	1	49	10.76	10.80	11.07	11.04	10.86		
20	16QAM	1	99	10.72	10.84	10.94	10.96	10.91		
20	16QAM	50	0	10.65	10.70	11.12	11.10	10.83	12	0
20	16QAM	50	24	10.71	10.74	10.98	10.89	11.05		
20	16QAM	50	50	10.66	10.74	10.90	10.94	10.85		
20	16QAM	100	0	10.71	10.82	11.17	10.99	11.00		
20	64QAM	1	0	10.94	10.48	10.76	10.85	10.70		
20	64QAM	1	49	10.46	10.43	10.62	10.72	10.47	12	0
20	64QAM	1	99	10.45	10.47	10.66	10.77	10.51		
20	64QAM	50	0	10.78	10.78	10.96	10.92	10.88		
20	64QAM	50	24	10.77	10.71	10.94	10.91	10.90		
20	64QAM	50	50	10.70	10.75	10.85	10.89	10.84		
20	64QAM	100	0	10.72	10.87	11.10	10.92	10.85	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	10.87	11.11	11.21	11.08	11.07		
15	QPSK	1	37	10.84	10.83	11.17	10.95	11.08	12.0	0
15	QPSK	1	74	10.88	11.02	11.12	10.97	11.08		
15	QPSK	36	0	10.87	10.75	11.12	10.81	10.81		
15	QPSK	36	20	10.87	10.64	11.04	10.86	10.98		
15	QPSK	36	39	10.64	10.75	10.83	10.76	10.83		
15	QPSK	75	0	10.74	10.83	11.03	10.91	11.00	12	0
15	16QAM	1	0	10.66	10.74	11.11	10.74	10.96		
15	16QAM	1	37	10.63	10.70	10.98	11.00	10.75		
15	16QAM	1	74	10.66	10.70	10.84	10.82	10.87		
15	16QAM	36	0	10.59	10.61	10.84	10.97	10.76		
15	16QAM	36	20	10.64	10.68	10.85	10.76	10.95	12	0
15	16QAM	36	39	10.53	10.59	10.77	10.79	10.75		
15	16QAM	75	0	10.58	10.69	11.08	10.89	10.90		
15	64QAM	1	0	10.30	10.36	10.69	10.53	10.60		
15	64QAM	1	37	10.35	10.35	10.59	10.62	10.37		
15	64QAM	1	74	10.38	10.36	10.59	10.62	10.38	12	0
15	64QAM	36	0	10.67	10.66	10.86	10.89	10.80		
15	64QAM	36	20	10.70	10.57	10.79	10.85	10.76		
15	64QAM	36	39	10.66	10.62	10.74	10.75	10.78		
15	64QAM	75	0	10.60	10.78	11.00	10.88	10.71		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	10.93	11.01	11.17	11.12	11.13	12.0	0
10	QPSK	1	25	10.85	10.83	11.12	11.02	11.06		
10	QPSK	1	49	10.86	10.93	11.16	11.01	11.07		
10	QPSK	25	0	10.65	10.75	11.06	10.77	10.96		
10	QPSK	25	12	10.58	10.74	11.04	10.93	10.94		
10	QPSK	25	25	10.64	10.82	10.83	10.77	10.87	12	0
10	QPSK	50	0	10.73	10.85	11.07	11.02	10.95		
10	16QAM	1	0	10.60	10.70	11.09	10.77	11.01		
10	16QAM	1	25	10.64	10.69	10.99	11.00	10.79		
10	16QAM	1	49	10.62	10.77	10.85	10.86	10.77		
10	16QAM	25	0	10.50	10.60	10.82	10.82	10.78	12	0
10	16QAM	25	12	10.66	10.61	10.88	10.74	10.79		
10	16QAM	25	25	10.53	10.67	10.81	10.89	10.76		
10	16QAM	50	0	10.66	10.76	11.08	10.88	10.87		
10	64QAM	1	0	10.21	10.43	10.70	10.60	10.59		
10	64QAM	1	25	10.32	10.29	10.53	10.66	10.39	12	0
10	64QAM	1	49	10.30	10.34	10.52	10.67	10.47		
10	64QAM	25	0	10.64	10.71	10.88	10.87	10.81		
10	64QAM	25	12	10.70	10.66	10.86	10.80	10.78		
10	64QAM	25	25	10.59	10.68	10.72	10.85	10.69		
10	64QAM	50	0	10.64	10.84	11.01	10.82	10.79	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	10.85	11.05	11.25	11.15	11.10		
5	QPSK	1	12	10.81	10.77	11.16	10.96	11.03	12.0	0
5	QPSK	1	24	10.79	10.99	11.11	11.09	11.09		
5	QPSK	12	0	10.66	10.81	11.09	10.77	10.91		
5	QPSK	12	7	10.67	10.66	10.94	10.89	10.96		
5	QPSK	12	13	10.69	10.77	10.76	10.87	10.86	12	0
5	QPSK	25	0	10.75	10.81	11.12	10.99	11.04		
5	16QAM	1	0	10.84	10.73	11.07	10.79	11.00		
5	16QAM	1	12	10.63	10.76	11.01	10.93	10.79		
5	16QAM	1	24	10.59	10.80	10.79	10.89	10.85		
5	16QAM	12	0	10.61	10.58	10.83	10.80	10.77	12	0
5	16QAM	12	7	10.58	10.61	10.87	10.84	10.96		
5	16QAM	12	13	10.55	10.67	10.75	10.81	10.76		
5	16QAM	25	0	10.64	10.70	11.07	10.93	10.95		
5	64QAM	1	0	10.29	10.35	10.72	10.53	10.62		
5	64QAM	1	12	10.37	10.33	10.57	10.57	10.33	12	0
5	64QAM	1	24	10.38	10.39	10.57	10.69	10.40		
5	64QAM	12	0	10.65	10.70	10.90	10.86	10.76		
5	64QAM	12	7	10.70	10.66	10.89	10.82	10.76		
5	64QAM	12	13	10.56	10.69	10.76	10.81	10.80		
5	64QAM	25	0	10.64	10.79	11.05	10.78	10.71	Tune-up limit (dBm)	MPR (dB)

Band 41 HPUE Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	13.70	13.69	14.16	13.99	14.10	15	0
20	QPSK	1	49	13.70	13.75	14.08	13.87	13.91		
20	QPSK	1	99	13.81	13.82	14.09	13.81	13.87		
20	QPSK	50	0	13.68	13.67	14.03	13.74	13.81	15	0
20	QPSK	50	24	13.67	13.63	13.80	13.66	13.70		
20	QPSK	50	50	13.67	13.62	13.89	13.70	13.70		
20	QPSK	100	0	13.73	13.67	14.02	13.84	13.95	15	0
20	16QAM	1	0	13.54	13.56	13.77	13.73	13.80		
20	16QAM	1	49	13.52	13.53	13.96	13.71	13.78		
20	16QAM	1	99	13.54	13.57	13.75	13.83	13.59	15	0
20	16QAM	50	0	13.46	13.54	13.81	13.66	13.73		
20	16QAM	50	24	13.46	13.57	13.93	13.58	13.86		
20	16QAM	50	50	13.53	13.52	13.76	13.67	13.70	15	0
20	16QAM	100	0	13.76	13.85	14.01	13.85	13.98		
20	64QAM	1	0	13.30	13.40	13.56	13.62	13.64		
20	64QAM	1	49	13.38	13.24	13.63	13.52	13.67	15	0
20	64QAM	1	99	13.35	13.30	13.59	13.58	13.30		
20	64QAM	50	0	13.65	13.60	13.82	13.68	13.72		
20	64QAM	50	24	13.52	13.54	13.83	13.48	13.79	15	0
20	64QAM	50	50	13.65	13.62	13.80	13.73	13.85		
20	64QAM	100	0	13.68	13.70	13.92	13.78	13.84		
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	13.65	13.69	14.09	13.84	14.00	15.0	0
15	QPSK	1	37	13.61	13.69	13.76	13.70	13.82		
15	QPSK	1	74	13.66	13.74	14.00	13.78	13.81		
15	QPSK	36	0	13.63	13.55	13.94	13.63	13.66	15	0
15	QPSK	36	20	13.55	13.60	13.74	13.52	13.64		
15	QPSK	36	39	13.62	13.57	13.82	13.62	13.67		
15	QPSK	75	0	13.62	13.53	13.97	13.71	13.83	15	0
15	16QAM	1	0	13.49	13.49	13.64	13.59	13.69		
15	16QAM	1	37	13.48	13.40	13.64	13.64	13.74		
15	16QAM	1	74	13.42	13.50	13.69	13.76	13.51	15	0
15	16QAM	36	0	13.38	13.49	13.69	13.56	13.61		
15	16QAM	36	20	13.32	13.48	13.82	13.50	13.78		
15	16QAM	36	39	13.39	13.47	13.69	13.61	13.65	15	0
15	16QAM	75	0	13.66	13.80	13.96	13.80	13.94		
15	64QAM	1	0	13.18	13.26	13.47	13.58	13.58		
15	64QAM	1	37	13.29	13.11	13.63	13.30	13.81	15	0
15	64QAM	1	74	13.23	13.16	13.54	13.51	13.18		
15	64QAM	36	0	13.59	13.52	13.73	13.64	13.66		
15	64QAM	36	20	13.45	13.48	13.78	13.35	13.73	15	0
15	64QAM	36	39	13.53	13.57	13.75	13.69	13.75		
15	64QAM	75	0	13.62	13.61	13.85	13.68	13.71		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	13.63	13.62	14.03	13.84	14.00	15.0	0
10	QPSK	1	25	13.66	13.64	14.00	13.82	13.83		
10	QPSK	1	49	13.71	13.71	13.95	13.67	13.81		
10	QPSK	25	0	13.55	13.62	13.72	13.60	13.66	15	0
10	QPSK	25	12	13.59	13.59	13.69	13.60	13.60		
10	QPSK	25	25	13.59	13.55	13.81	13.57	13.64		
10	QPSK	50	0	13.66	13.62	13.98	13.76	13.90	15	0
10	16QAM	1	0	13.49	13.49	13.73	13.65	13.76		
10	16QAM	1	25	13.43	13.44	13.82	13.67	13.65		
10	16QAM	1	49	13.44	13.53	13.60	13.75	13.51	15	0
10	16QAM	25	0	13.35	13.44	13.69	13.52	13.60		
10	16QAM	25	12	13.34	13.45	13.62	13.51	13.58		
10	16QAM	25	25	13.48	13.43	13.69	13.58	13.65	15	0
10	16QAM	50	0	13.73	13.72	13.90	13.81	13.94		
10	64QAM	1	0	13.20	13.31	13.48	13.58	13.50		
10	64QAM	1	25	13.25	13.09	13.59	13.44	13.56	15	0
10	64QAM	1	49	13.29	13.20	13.49	13.53	13.22		
10	64QAM	25	0	13.59	13.49	13.69	13.55	13.58		
10	64QAM	25	12	13.38	13.39	13.72	13.35	13.65	15	0
10	64QAM	25	25	13.60	13.47	13.70	13.68	13.76		
10	64QAM	50	0	13.59	13.59	13.70	13.73	13.72		
Channel				39675	40140	40590	41093	41605	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2590	2640.30	2687.5		
5	QPSK	1	0	13.60	13.60	13.84	13.91	13.82	15.0	0
5	QPSK	1	12	13.64	13.65	13.79	13.84	13.76		
5	QPSK	1	24	13.71	13.71	13.94	13.69	13.73		
5	QPSK	12	0	13.61	13.56	13.89	13.70	13.73	15	0
5	QPSK	12	7	13.63	13.51	13.66	13.53	13.55		
5	QPSK	12	13	13.62	13.47	13.83	13.62	13.56		
5	QPSK	25	0	13.64	13.60	13.97	13.77	13.80	15	0
5	16QAM	1	0	13.46	13.50	13.73	13.59	13.74		
5	16QAM	1	12	13.46	13.46	13.92	13.67	13.70		
5	16QAM	1	24	13.50	13.52	13.61	13.70	13.55	15	0
5	16QAM	12	0	13.40	13.40	13.75	13.62	13.63		
5	16QAM	12	7	13.33	13.45	13.63	13.49	13.73		
5	16QAM	12	13	13.36	13.27	13.64	13.55	13.62	15	0
5	16QAM	25	0	13.73	13.74	13.89	13.76	13.91		
5	64QAM	1	0	13.25	13.37	13.50	13.54	13.59		
5	64QAM	1	12	13.30	13.16	13.59	13.46	13.53	15	0
5	64QAM	1	24	13.22	13.17	13.49	13.44	13.16		
5	64QAM	12	0	13.61	13.45	13.75	13.62	13.61		
5	64QAM	12	7	13.48	13.45	13.72	13.41	13.67	15	0
5	64QAM	12	13	13.59	13.51	13.72	13.64	13.78		
5	64QAM	25	0	13.60	13.58	13.81	13.64	13.75		

Band 48 Ant5_FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	13.39	13.55	13.48	13.44	15	0
20	QPSK	1	49	13.22	13.52	13.29	13.40		
20	QPSK	1	99	13.23	13.53	13.26	13.39		
20	QPSK	50	0	13.44	13.50	13.48	13.42		
20	QPSK	50	24	13.35	13.48	13.31	13.32	15	0
20	QPSK	50	50	13.34	13.49	13.19	13.21		
20	QPSK	100	0	13.28	13.44	13.38	13.38		
20	16QAM	1	0	13.34	13.49	13.38	13.44		
20	16QAM	1	49	13.34	13.46	13.32	13.40	15	0
20	16QAM	1	99	13.22	13.48	13.38	13.25		
20	16QAM	50	0	13.44	13.42	13.48	13.21		
20	16QAM	50	24	13.50	13.53	13.31	13.29		
20	16QAM	50	50	13.15	13.44	13.29	13.26	15	0
20	16QAM	100	0	13.40	13.48	13.39	13.30		
20	64QAM	1	0	13.05	13.29	13.12	13.07		
20	64QAM	1	49	13.13	13.28	13.02	13.15		
20	64QAM	1	99	13.06	13.31	13.00	13.05	15	0
20	64QAM	50	0	13.47	13.49	13.43	13.30		
20	64QAM	50	24	13.50	13.45	13.30	13.32		
20	64QAM	50	50	13.28	13.34	13.18	13.34		
20	64QAM	100	0	13.26	13.45	13.44	13.30		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	13.37	13.51	13.46	13.36	15	0
15	QPSK	1	37	13.21	13.43	13.34	13.33		
15	QPSK	1	74	13.18	13.52	13.27	13.32		
15	QPSK	36	0	13.36	13.45	13.46	13.38		
15	QPSK	36	20	13.37	13.52	13.25	13.29	15	0
15	QPSK	36	39	13.31	13.53	13.15	13.24		
15	QPSK	75	0	13.20	13.44	13.33	13.31		
15	16QAM	1	0	13.39	13.52	13.32	13.45		
15	16QAM	1	37	13.33	13.49	13.29	13.37	15	0
15	16QAM	1	74	13.16	13.44	13.37	13.19		
15	16QAM	36	0	13.35	13.36	13.53	13.18		
15	16QAM	36	20	13.46	13.53	13.23	13.22		
15	16QAM	36	39	13.13	13.40	13.29	13.21	15	0
15	16QAM	75	0	13.43	13.49	13.35	13.27		
15	64QAM	1	0	13.04	13.23	13.07	13.03		
15	64QAM	1	37	13.10	13.22	13.07	13.19		
15	64QAM	1	74	13.02	13.26	13.03	13.09	15	0
15	64QAM	36	0	13.48	13.49	13.34	13.30		
15	64QAM	36	20	13.32	13.44	13.31	13.33		
15	64QAM	36	39	13.29	13.35	13.13	13.36		
15	64QAM	75	0	13.28	13.38	13.48	13.28		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	13.43	13.54	13.52	13.37	15	0
10	QPSK	1	25	13.23	13.53	13.32	13.33		
10	QPSK	1	49	13.16	13.52	13.28	13.42		
10	QPSK	25	0	13.46	13.52	13.41	13.46		
10	QPSK	25	12	13.38	13.44	13.28	13.28	15	0
10	QPSK	25	25	13.26	13.47	13.18	13.19		
10	QPSK	50	0	13.33	13.42	13.40	13.43		
10	16QAM	1	0	13.25	13.41	13.36	13.45		
10	16QAM	1	25	13.26	13.49	13.28	13.35	15	0
10	16QAM	1	49	13.16	13.47	13.31	13.30		
10	16QAM	25	0	13.35	13.38	13.38	13.25		
10	16QAM	25	12	13.42	13.45	13.31	13.29		
10	16QAM	25	25	13.09	13.45	13.34	13.28	15	0
10	16QAM	50	0	13.36	13.46	13.33	13.28		
10	64QAM	1	0	13.02	13.25	13.15	13.09		
10	64QAM	1	25	13.06	13.27	13.19	13.18		
10	64QAM	1	49	13.05	13.29	13.15	13.03	15	0
10	64QAM	25	0	13.30	13.41	13.42	13.31		
10	64QAM	25	12	13.51	13.45	13.25	13.24		
10	64QAM	25	25	13.28	13.38	13.16	13.26		
10	64QAM	50	0	13.24	13.43	13.45	13.25		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	13.41	13.51	13.44	13.41	15	0
5	QPSK	1	12	13.22	13.45	13.26	13.42		
5	QPSK	1	24	13.17	13.37	13.29	13.41		
5	QPSK	12	0	13.46	13.54	13.43	13.35		
5	QPSK	12	7	13.35	13.39	13.23	13.30	15	0
5	QPSK	12	13	13.30	13.48	13.12	13.19		
5	QPSK	25	0	13.22	13.47	13.40	13.41		
5	16QAM	1	0	13.26	13.48	13.33	13.44		
5	16QAM	1	12	13.33	13.30	13.29	13.35	15	0
5	16QAM	1	24	13.21	13.47	13.32	13.28		
5	16QAM	12	0	13.41	13.44	13.49	13.15		
5	16QAM	12	7	13.51	13.46	13.27	13.26		
5	16QAM	12	13	13.15	13.47	13.24	13.24	15	0
5	16QAM	25	0	13.42	13.45	13.32	13.31		
5	64QAM	1	0	13.09	13.33	13.05	13.04		
5	64QAM	1	12	13.17	13.31	13.05	13.13		
5	64QAM	1	24	13.08	13.26	13.00	13.07	15	0
5	64QAM	12	0	13.31	13.46	13.43	13.26		
5	64QAM	12	7	13.31	13.46	13.33	13.36		
5	64QAM	12	13	13.20	13.38	13.17	13.32		
5	64QAM	25	0	13.29	13.47	13.44	13.25		
Channel				55290	55815	56165	56690		

Band 41 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.11	15.23	15.44	15.26	15.39	16.5	0
20	QPSK	1	49	14.98	15.07	15.40	14.99	15.25		
20	QPSK	1	99	15.02	15.08	15.36	15.11	15.31		
20	QPSK	50	0	14.96	15.22	15.41	15.21	15.35		
20	QPSK	50	24	15.08	15.16	15.36	15.17	15.32	16.5	0
20	QPSK	50	50	15.13	15.06	15.32	15.23	15.36		
20	QPSK	100	0	15.11	15.18	15.36	15.24	15.23		
20	16QAM	1	0	14.85	15.05	15.35	15.04	15.18		
20	16QAM	1	49	14.97	15.05	15.24	15.03	15.13	16.5	0
20	16QAM	1	99	15.01	15.12	15.26	15.12	15.14		
20	16QAM	50	0	15.13	15.28	15.42	15.07	15.37		
20	16QAM	50	24	15.02	15.24	15.31	15.03	15.26		
20	16QAM	50	50	15.15	15.17	15.28	15.18	15.31	16.5	0
20	16QAM	100	0	15.08	15.29	15.32	15.16	15.33		
20	64QAM	1	0	14.54	14.57	14.89	14.39	14.75		
20	64QAM	1	49	14.60	14.77	14.92	14.53	14.68		
20	64QAM	1	99	14.62	14.63	14.86	14.67	14.77	16.5	0
20	64QAM	50	0	15.11	15.23	15.28	15.14	15.29		
20	64QAM	50	24	15.23	15.33	15.31	15.14	15.32		
20	64QAM	50	50	15.25	15.16	15.23	15.14	15.37		
20	64QAM	100	0	15.03	15.43	15.34	15.32	15.25	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	14.95	15.12	15.37	15.20	15.34		
15	QPSK	1	37	14.90	15.01	15.37	14.93	15.12	16.5	0
15	QPSK	1	74	14.98	14.97	15.35	15.02	15.19		
15	QPSK	36	0	14.87	15.07	15.37	15.14	15.30		
15	QPSK	36	20	14.94	15.09	15.23	15.11	15.23		
15	QPSK	36	39	15.09	14.98	15.23	15.12	15.24	16.5	0
15	QPSK	75	0	15.02	15.05	15.29	15.12	15.14		
15	16QAM	1	0	14.79	14.92	15.22	15.00	15.10		
15	16QAM	1	37	14.85	15.00	15.17	14.90	14.99		
15	16QAM	1	74	14.98	15.06	15.12	14.99	15.08	16.5	0
15	16QAM	36	0	15.01	15.15	15.34	15.03	15.33		
15	16QAM	36	20	14.99	15.18	15.17	14.96	15.17		
15	16QAM	36	39	15.07	15.07	15.15	15.03	15.23		
15	16QAM	75	0	14.95	15.17	15.25	15.13	15.28	16.5	0
15	64QAM	1	0	14.56	14.50	14.76	14.56	14.60		
15	64QAM	1	37	14.57	14.73	14.78	14.58	14.60		
15	64QAM	1	74	14.57	14.60	14.80	14.63	14.71		
15	64QAM	36	0	14.96	15.15	15.20	15.04	15.16	16.5	0
15	64QAM	36	20	15.14	15.30	15.17	15.00	15.23		
15	64QAM	36	39	15.12	15.03	15.19	15.02	15.22		
15	64QAM	75	0	14.98	15.29	15.31	15.28	15.22		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.92	15.09	15.39	15.13	15.27	16.5	0
10	QPSK	1	25	14.89	14.96	15.26	14.96	15.21		
10	QPSK	1	49	14.94	14.99	15.24	14.99	15.25		
10	QPSK	25	0	15.03	15.14	15.35	15.09	15.32		
10	QPSK	25	12	15.04	15.05	15.23	15.08	15.22	16.5	0
10	QPSK	25	25	15.03	14.97	15.21	15.13	15.23		
10	QPSK	50	0	15.03	15.04	15.25	15.18	15.12		
10	16QAM	1	0	14.72	14.98	15.22	14.99	15.08		
10	16QAM	1	25	14.89	14.94	15.11	15.00	15.02	16.5	0
10	16QAM	1	49	14.89	14.98	15.20	15.05	15.10		
10	16QAM	25	0	15.00	15.23	15.38	15.03	15.34		
10	16QAM	25	12	14.89	15.15	15.19	14.99	15.19		
10	16QAM	25	25	15.09	15.08	15.22	15.04	15.25	16.5	0
10	16QAM	50	0	15.05	15.15	15.25	15.08	15.19		
10	64QAM	1	0	14.51	14.51	14.80	14.51	14.67		
10	64QAM	1	25	14.56	14.67	14.78	14.58	14.63		
10	64QAM	1	49	14.59	14.50	14.71	14.60	14.74	16.5	0
10	64QAM	25	0	15.00	15.20	15.24	14.99	15.16		
10	64QAM	25	12	15.19	15.19	15.19	14.99	15.19		
10	64QAM	25	25	15.12	15.05	15.18	15.01	15.32		
10	64QAM	50	0	14.96	15.29	15.30	15.24	15.15	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	14.96	15.17	15.36	15.19	15.32		
5	QPSK	1	12	14.92	15.02	15.26	14.88	15.13	16.5	0
5	QPSK	1	24	14.87	14.98	15.33	15.00	15.24		
5	QPSK	12	0	14.84	15.11	15.30	15.18	15.21		
5	QPSK	12	7	14.98	15.10	15.29	15.07	15.27	16.5	0
5	QPSK	12	13	15.00	15.02	15.18	15.12	15.27		
5	QPSK	25	0	15.07	15.11	15.31	15.18	15.17		
5	16QAM	1	0	14.70	15.01	15.11	14.95	15.14		
5	16QAM	1	12	14.90	14.98	15.19	14.96	15.05	16.5	0
5	16QAM	1	24	14.94	15.02	15.13	15.09	15.04		
5	16QAM	12	0	14.98	15.22	15.34	14.98	15.26		
5	16QAM	12	7	14.88	15.15	15.17	14.89	15.13		
5	16QAM	12	13	15.09	15.04	15.17	15.05	15.19	16.5	0
5	16QAM	25	0	14.98	15.22	15.19	15.04	15.27		
5	64QAM	1	0	14.51	14.58	14.83	14.54	14.67		
5	64QAM	1	12	14.51	14.69	14.87	14.57	14.64		
5	64QAM	1	24	14.50	14.59	14.76	14.59	14.65	16.5	0
5	64QAM	12	0	15.00	15.12	15.14	15.08	15.23		
5	64QAM	12	7	15.14	15.25	15.21	15.11	15.39		
5	64QAM	12	13	15.17	15.07	15.08	15.10	15.19		
5	64QAM	25	0	14.94	15.35	15.27	15.19	15.18	Tune-up limit (dBm)	MPR (dB)

Band 41 HPUE Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.29	18.51	18.66	18.50	18.48	19.5	0
20	QPSK	1	49	18.27	18.24	18.64	18.38	18.43		
20	QPSK	1	99	18.17	18.41	18.48	18.34	18.41		
20	QPSK	50	0	18.33	18.30	18.50	18.30	18.40		
20	QPSK	50	24	18.13	18.11	18.40	18.33	18.37	19.5	0
20	QPSK	50	50	18.10	18.29	18.38	18.25	18.34		
20	QPSK	100	0	18.10	18.21	18.43	18.26	18.26		
20	16QAM	1	0	18.27	18.26	18.50	18.46	18.46		
20	16QAM	1	49	18.21	18.33	18.50	18.40	18.43	19.5	0
20	16QAM	1	99	18.19	18.25	18.48	18.40	18.51		
20	16QAM	50	0	18.26	18.20	18.51	18.33	18.34		
20	16QAM	50	24	18.06	18.11	18.45	18.33	18.38		
20	16QAM	50	50	18.20	18.40	18.26	18.21	18.21	19.5	0
20	16QAM	100	0	18.15	18.25	18.51	18.33	18.35		
20	64QAM	1	0	18.08	18.18	18.32	18.32	18.44		
20	64QAM	1	49	18.04	18.07	18.24	18.34	18.12		
20	64QAM	1	99	18.00	18.25	18.27	18.23	18.19	19.5	0
20	64QAM	50	0	18.37	18.43	18.63	18.26	18.36		
20	64QAM	50	24	18.23	18.40	18.57	18.39	18.42		
20	64QAM	50	50	18.33	18.42	18.55	18.32	18.28	19.5	0
20	64QAM	50	99	18.33	18.26	18.35	18.19	18.42		
20	64QAM	100	0	18.23	18.32	18.50	18.23	18.30		
Channel				39725	40173	40600	41068	41616	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2548.3	2593	2637.9	2682.5		
15	QPSK	1	0	18.17	18.40	18.54	18.37	18.38	19.5	0
15	QPSK	1	37	18.14	18.10	18.56	18.24	18.33		
15	QPSK	1	74	18.23	18.28	18.40	18.22	18.30		
15	QPSK	36	0	18.23	18.26	18.35	18.17	18.30		
15	QPSK	36	20	18.01	18.07	18.35	18.21	18.31	19.5	0
15	QPSK	36	39	17.96	18.26	18.33	18.12	18.28		
15	QPSK	75	0	18.01	18.11	18.31	18.18	18.15		
15	16QAM	1	0	18.23	18.14	18.40	18.34	18.40		
15	16QAM	1	37	18.06	18.20	18.40	18.26	18.38	19.5	0
15	16QAM	1	74	18.14	18.18	18.36	18.32	18.30		
15	16QAM	36	0	18.19	18.16	18.39	18.20	18.29		
15	16QAM	36	20	17.99	18.04	18.31	18.21	18.27		
15	16QAM	36	39	18.07	18.36	18.13	18.10	18.09	19.5	0
15	16QAM	75	0	18.03	18.16	18.38	18.21	18.21		
15	64QAM	1	0	18.00	18.07	18.27	18.27	18.33		
15	64QAM	1	37	17.90	18.02	18.19	18.27	18.06		
15	64QAM	1	74	17.94	18.17	18.13	18.11	18.15	19.5	0
15	64QAM	36	0	18.34	18.33	18.51	18.14	18.32		
15	64QAM	36	20	18.10	18.27	18.43	18.27	18.38		
15	64QAM	36	39	18.20	18.32	18.50	18.23	18.17		
15	64QAM	75	0	18.29	18.18	18.58	18.13	18.30		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	25463	25933	26393	26855		
10	QPSK	1	0	18.21	18.44	18.51	18.42	18.38	19.5	0
10	QPSK	1	25	18.16	18.09	18.57	18.24	18.33		
10	QPSK	1	49	18.22	18.38	18.41	18.27	18.35		
10	QPSK	25	0	18.29	18.22	18.39	18.25	18.27		
10	QPSK	25	12	18.05	18.08	18.31	18.29	18.24	19.5	0
10	QPSK	25	25	18.05	18.25	18.34	18.18	18.31		
10	QPSK	50	0	18.02	18.06	18.39	18.22	18.15		
10	16QAM	1	0	18.19	18.20	18.36	18.36	18.32		
10	16QAM	1	25	18.08	18.24	18.36	18.25	18.33	19.5	0
10	16QAM	1	49	18.08	18.16	18.38	18.31	18.44		
10	16QAM	25	0	18.14	18.08	18.37	18.23	18.28		
10	16QAM	25	12	18.03	17.96	18.33	18.24	18.29		
10	16QAM	25	25	18.09	18.31	18.19	18.19	18.07	19.5	0
10	16QAM	50	0	18.09	18.16	18.39	18.28	18.24		
10	64QAM	1	0	17.95	18.12	18.29	18.28	18.39		
10	64QAM	1	25	17.96	18.02	18.19	18.30	18.00		
10	64QAM	1	49	17.95	18.17	18.17	18.13	18.06	19.5	0
10	64QAM	25	0	18.22	18.33	18.60	18.18	18.21		
10	64QAM	25	12	18.18	18.26	18.51	18.31	18.31		
10	64QAM	25	25	18.23	18.32	18.47	18.17	18.19		
10	64QAM	50	0	18.19	18.17	18.60	18.11	18.28		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.21	18.45	18.58	18.37	18.29	19.5	0
5	QPSK	1	12	18.19	18.15	18.33	18.28	18.39		
5	QPSK	1	24	18.26	18.34	18.40	18.30	18.34		
5	QPSK	12	0	18.26	18.22	18.40	18.25	18.31		
5	QPSK	12	7	18.06	17.98	18.29	18.23	18.28	19.5	0
5	QPSK	12	13	18.07	18.22	18.34	18.13	18.21		
5	QPSK	25	0	17.95	18.17	18.33	18.19	18.13		
5	16QAM	1	0	18.12	18.19	18.41	18.42	18.36		
5	16QAM	1	12	18.18	18.20	18.41	18.37	18.35	19.5	0
5	16QAM	1	24	18.08	18.18	18.37	18.29	18.42		
5	16QAM	12	0	18.16	18.15	18.43	18.21	18.19		
5	16QAM	12	7	17.94	18.06	18.37	18.28	18.25		
5	16QAM	12	13	18.11	18.30	18.20	18.11	18.10	19.5	0
5	16QAM	25	0	18.04	18.11	18.41	18.22	18.29		
5	64QAM	1	0	18.00	18.07	18.20	18.20	18.31		
5	64QAM	1	12	17.96	18.00	18.11	18.28	18.04		
5	64QAM	1	24	17.94	18.19	18.18	18.18	18.10	19.5	0
5	64QAM	12	0	18.31	18.34	18.57	18.19	18.23		
5	64QAM	12	7	18.11	18.30	18.48	18.31	18.34		
5	64QAM	12	13	18.23	18.33	18.41	18.23	18.22		
5	64QAM	25	0	18.20	18.17	18.54	18.12	18.36		

ECI4 Power for Other PA

Band 41 ECI4 Ant2											
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	21.5	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.68	21.03	21.09	20.86	20.66	21.5	0	
20	QPSK	1	49	20.76	20.89	20.93	20.85	20.71			
20	QPSK	1	99	20.72	20.78	21.01	20.70	20.63	21.5	0	
20	QPSK	50	0	20.70	20.78	21.05	20.76	20.61			
20	QPSK	50	24	20.59	20.84	20.78	20.79	20.55	21.5	0	
20	QPSK	50	50	20.57	20.68	20.74	20.61	20.58			
20	QPSK	100	0	20.67	20.81	20.97	20.69	20.59	21.5	0	
20	16QAM	1	0	20.57	20.81	20.84	20.73	20.41			
20	16QAM	1	49	20.52	20.70	20.73	20.61	20.46	21.5	0	
20	16QAM	1	99	20.52	20.62	20.73	20.47	20.37			
20	16QAM	50	0	19.72	19.90	19.88	19.74	19.51	20.5	1	
20	16QAM	50	24	19.51	19.80	19.88	19.69	19.50			
20	16QAM	50	50	19.45	19.70	19.86	19.53	19.54	20.5	1	
20	16QAM	100	0	19.56	19.79	19.97	19.67	19.50			
20	64QAM	1	0	19.18	19.19	19.39	19.20	19.03	20.5	1	
20	64QAM	1	49	19.02	19.22	19.23	19.10	19.05			
20	64QAM	1	99	19.00	19.06	19.23	18.98	19.02	19.5	2	
20	64QAM	50	0	18.60	18.72	18.75	18.65	18.52			
20	64QAM	50	24	18.50	18.73	18.75	18.80	18.55	19.5	2	
20	64QAM	50	50	18.63	18.63	18.65	18.48	18.54			
20	64QAM	100	0	18.73	18.89	18.94	18.68	18.53	Tune-up limit (dBm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	22.5	0	
15	QPSK	1	0	20.58	20.93	20.90	20.71	20.50			
15	QPSK	1	37	20.57	20.88	20.83	20.71	20.50	22.5	0	
15	QPSK	1	74	20.63	20.64	20.81	20.52	20.52			
15	QPSK	36	0	20.58	20.64	20.89	20.71	20.56	22.5	0	
15	QPSK	36	20	20.45	20.72	20.79	20.62	20.41			
15	QPSK	36	39	20.51	20.53	20.69	20.56	20.52	22.5	0	
15	QPSK	75	0	20.53	20.76	20.93	20.56	20.47			
15	16QAM	1	0	20.53	20.67	20.67	20.64	20.28	22.5	0	
15	16QAM	1	37	20.39	20.59	20.69	20.54	20.37			
15	16QAM	1	74	20.43	20.46	20.57	20.40	20.28	21.5	1	
15	16QAM	36	0	19.58	19.80	19.84	19.62	19.38			
15	16QAM	36	20	19.49	19.64	19.79	19.62	19.38	21.5	1	
15	16QAM	36	39	19.52	19.64	19.71	19.46	19.48			
15	16QAM	75	0	19.40	19.67	19.86	19.61	19.37	21.5	1	
15	64QAM	1	0	19.04	19.03	19.23	19.10	18.91			
15	64QAM	1	37	18.92	19.19	19.10	19.00	18.94	20.5	2	
15	64QAM	1	74	18.84	19.03	19.10	18.92	18.85			
15	64QAM	36	0	18.54	18.61	18.59	18.60	18.39	20.5	2	
15	64QAM	36	20	18.40	18.67	18.62	18.75	18.42			
15	64QAM	36	39	18.48	18.57	18.59	18.40	18.47	Tune-up limit (dBm)	MPR (dB)	
15	64QAM	75	0	18.66	18.85	18.80	18.65	18.45			
Channel				39700	40160	40620	41080	41540	21.5	0	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.63	20.95	20.96	20.75	20.55	21.5	0	
10	QPSK	1	25	20.53	20.78	20.86	20.67	20.50			
10	QPSK	1	49	20.58	20.66	20.83	20.60	20.51	21.5	0	
10	QPSK	25	0	20.59	20.72	20.93	20.62	20.56			
10	QPSK	25	12	20.49	20.78	20.70	20.68	20.50	21.5	0	
10	QPSK	25	25	20.50	20.62	20.63	20.47	20.43			
10	QPSK	50	0	20.57	20.70	20.84	20.57	20.51	21.5	0	
10	16QAM	1	0	20.42	20.74	20.70	20.60	20.32			
10	16QAM	1	25	20.47	20.63	20.61	20.58	20.41	20.5	1	
10	16QAM	1	49	20.38	20.55	20.64	20.33	20.29			
10	16QAM	25	0	19.60	19.84	19.84	19.67	19.39	20.5	1	
10	16QAM	25	12	19.52	19.66	19.80	19.60	19.41			
10	16QAM	25	25	19.51	19.54	19.78	19.47	19.49	20.5	1	
10	16QAM	50	0	19.52	19.70	19.83	19.53	19.41			
10	64QAM	1	0	19.09	19.07	19.34	19.09	18.87	19.5	2	
10	64QAM	1	25	18.90	19.08	19.17	19.06	19.00			
10	64QAM	1	49	18.89	18.92	19.08	18.86	18.92	Tune-up limit (dBm)	MPR (dB)	
10	64QAM	25	0	18.49	18.64	18.71	18.52	18.43			
10	64QAM	25	12	18.41	18.60	18.71	18.76	18.41	2498.5	2545.8	2593
10	64QAM	25	25	18.56	18.52	18.56	18.41	18.41			
10	64QAM	50	0	18.67	18.79	18.89	18.56	18.39	3967.5	40148	40620
Channel				3967.5	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	21.5	0	
5	QPSK	1	0	20.56	20.94	20.96	20.71	20.51			
5	QPSK	1	12	20.58	20.88	20.92	20.67	20.53	21.5	0	
5	QPSK	1	24	20.56	20.67	20.81	20.55	20.54			
5	QPSK	12	0	20.56	20.65	20.92	20.70	20.53	21.5	0	
5	QPSK	12	7	20.56	20.80	20.64	20.66	20.52			
5	QPSK	12	13	20.42	20.52	20.67	20.55	20.46	21.5	0	
5	QPSK	25	0	20.56	20.76	20.80	20.55	20.54			
5	16QAM	1	0	20.47	20.77	20.75	20.70	20.36	21.5	0	
5	16QAM	1	12	20.41	20.55	20.61	20.57	20.33			
5	16QAM	1	24	20.41	20.57	20.69	20.33	20.45	20.5	1	
5	16QAM	12	0	19.67	19.64	19.74	19.60	19.46			
5	16QAM	12	7	19.48	19.69	19.74	19.55	19.45	20.5	1	
5	16QAM	12	13	19.32	19.55	19.63	19.42	19.49			
5	16QAM	25	0	19.53	19.67	19.89	19.60	19.46	20.5	1	
5	64QAM	1	0	19.15	19.05	19.24	19.07	18.93			
5	64QAM	1	12	18.87	19.05	19.20	18.94	18.98	19.5	2	
5	64QAM	1	24	18.84	19.00	19.13	18.87	18.90			
5	64QAM	12	0	18.50	18.65	18.68	18.50	18.36	Tune-up limit (dBm)	MPR (dB)	
5	64QAM	12	7	18.40	18.56	18.60	18.66	18.50			
5	64QAM	12	13	18.50	18.57	18.53	18.33	18.40	2498.5	2545.8	2593
5	64QAM	25	0	18.66	18.81	18.79	18.60	18.40			

Band 41 HPUE ECI4 Ant2											
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	24.5	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.65	23.72	23.78	23.58	23.43	24.5	0	
20	QPSK	1	49	23.45	23.60	23.59	23.56	23.44			
20	QPSK	1	99	23.53	23.57	23.57	23.38	23.31	24.5	0	
20	QPSK	50	0	23.65	23.76	23.77	23.49	23.38			
20	QPSK	50	24	23.43	23.64	23.65	23.42	23.52	24.5	0	
20	QPSK	50	50	23.59	23.63	23.61	23.46	23.48			
20	QPSK	100	0	23.48	23.68	23.70	23.46	23.33	24.5	1	
20	16QAM	1	0	23.50	23.62	23.67	23.44	23.55			
20	16QAM	1	49	23.67	23.65	23.59	23.42	23.33	24.5	0	
20	16QAM	1	99	23.53	23.51	23.64	23.39	23.36			
20	16QAM	50	0	22.62	22.68	22.68	22.43	22.50	23.5	1	
20	16QAM	50	24	22.53	22.59	22.57	22.50	22.41			
20	16QAM	50	50	22.50	22.72	22.64	22.40	22.45	23.5	1	
20	16QAM	100	0	22.55	22.61	22.71	22.46	22.29			
20	64QAM	1	0	22.30	22.33	22.41	22.26	22.28	23.5	1	
20	64QAM	1	49	22.26	22.25	22.47	22.10	22.23			
20	64QAM	1	99	22.36	22.41	22.43	22.25	22.22	22.5	2	
20	64QAM	50	0	21.74	21.83	21.93	21.64	21.66			
20	64QAM	50	24	21.60	21.77	21.79	21.51	21.58	22.5	2	
20	64QAM	50	50	21.85	21.74	21.92	21.74	21.50			
20	64QAM	100	0	21.70	21.84	21.86	21.58	21.58	24.5	0	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.55	23.71	23.69	23.61	23.39	24.5	0	
15	QPSK	1	37	23.54	23.57	23.69	23.51	23.32			
15	QPSK	1	74	23.51	23.62	23.67	23.32	23.26	24.5	0	
15	QPSK	36	0	23.60	23.57	23.56	23.47	23.35			
15	QPSK	36	20	23.23	23.62	23.66	23.25	23.30	24.5	0	
15	QPSK	36	39	23.58	23.57	23.48	23.45	23.36			
15	QPSK	75	0	23.48	23.57	23.51	23.28	23.33	24.5	0	
15	16QAM	1	0	23.49	23.41	23.52	23.41	23.39			
15	16QAM	1	37	23.44	23.46	23.47	23.38	23.21	24.5	0	
15	16QAM	1	74	23.43	23.44	23.52	23.36	23.28			
15	16QAM	36	0	22.60	22.66	22.67	22.34	22.51	23.5	1	
15	16QAM	36	20	22.40	22.60	22.45	22.39	22.43			
15	16QAM	36	39	22.40	22.57	22.57	22.38	22.38	23.5	1	
15	16QAM	75	0	22.46	22.58	22.52	22.29	22.26			
15	64QAM	1	0	22.19	22.25	22.38	22.19	22.14	23.5	1	
15	64QAM	1	37	22.27	22.14	22.40	22.11	22.17			
15	64QAM	1	74	22.18	22.42	22.40	22.16	22.16	23.5	1	
15	64QAM	36	0	21.75	21.78	21.75	21.64	21.41			
15	64QAM	36	20	21.54	21.67	21.67	21.57	21.59	22.5	2	
15	64QAM	36	39	21.67	21.68	21.91	21.64	21.56			
15	64QAM	75	0	21.63	21.82	21.66	21.54	21.55	24.5	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.54	23.67	23.71	23.56	23.40	24.5	0	
10	QPSK	1	25	23.48	23.59	23.68	23.56	23.36			
10	QPSK	1	49	23.49	23.56	23.62	23.43	23.23	24.5	0	
10	QPSK	25	0	23.44	23.61	23.61	23.39	23.30			
10	QPSK	25	12	23.22	23.44	23.61	23.33	23.36	24.5	0	
10	QPSK	25	25	23.51	23.64	23.63	23.37	23.32			
10	QPSK	50	0	23.32	23.53	23.60	23.30	23.16	24.5	0	
10	16QAM	1	0	23.36	23.51	23.54	23.31	23.42			
10	16QAM	1	25	23.36	23.49	23.49	23.30	23.38	24.5	0	
10	16QAM	1	49	23.59	23.46	23.66	23.35	23.27			
10	16QAM	25	0	22.56	22.62	22.74	22.30	22.36	23.5	1	
10	16QAM	25	12	22.40	22.51	22.53	22.41	22.43			
10	16QAM	25	25	22.46	22.60	22.57	22.28	22.37	23.5	1	
10	16QAM	50	0	22.35	22.50	22.52	22.33	22.12			
10	64QAM	1	0	22.30	22.29	22.39	22.14	22.26	23.5	1	
10	64QAM	1	25	22.27	22.14	22.30	21.95	21.91			
10	64QAM	1	49	22.15	22.28	22.23	22.03	21.95	22.5	2	
10	64QAM	25	0	21.60	21.70	21.68	21.45	21.49			
10	64QAM	25	12	21.44	21.73	21.59	21.47	21.57	22.5	2	
10	64QAM	25	25	21.70	21.64	21.76	21.59	21.46			
10	64QAM	50	0	21.68	21.85	21.72	21.49	21.51	24.5	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.3	25930	26347	26824			
5	QPSK	1	0	23.65	23.69	23.75	23.51	23.49	24.5	0	
5	QPSK	1	12	23.48	23.48	23.65	23.57	23.40			
5	QPSK	1	24	23.56	23.48	23.65	23.39	23.32	24.5	0	
5	QPSK	12	0	23.48	23.62	23.60	23.49	23.32			
5	QPSK	12	7	23.39	23.59	23.44	23.26	23.29	24.5	0	
5	QPSK	12	13	23.54	23.58	23.59	23.25	23.36			
5	QPSK	25	0	23.42	23.52	23.66	23.32	23.31	24.5	0	
5	16QAM	1	0	23.40	23.54	23.59	23.36	23.51			
5	16QAM	1	12	23.51	23.45	23.55	23.27	23.38	24.5	0	
5	16QAM	1	24	23.57	23.45	23.46	23.25	23.27			
5	16QAM	12	0	22.45	22.57	22.51	22.26	22.40	23.5	1	
5	16QAM	12	7	22.40	22.38	22.40	22.16	22.22			
5	16QAM	12	13	22.29	22.49	22.46	22.21	22.28	23.5	1	
5	16QAM	25	0	22.46	22.46	22.55	22.44	22.18			
5	64QAM	1	0	22.19	22.34	22.10	22.15	22.15	23.5	1	
5	64QAM	1	12	22.13	22.13	22.27	22.01	21.99			
5	64QAM	1	24	22.35	22.37	22.39	22.01	22.13	22.5	2	
5	64QAM	12	0	21.86	21.83	21.81	21.58	21.64			
5	64QAM	12	7	21.69	21.72	21.74	21.62	21.62	22.5	2	
5	64QAM	12	13	21.79	21.72	21.91	21.76	21.64			
5	64QAM	25	0	21.65	21.83	21.87	21.55	21.42	22.5	2	



Default Power for Other PA

Band 2 Ant4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.80	22.85	22.78	24	0				
20	QPSK	1	49	22.83	22.80	22.85						
20	QPSK	1	99	22.68	22.82	22.65						
20	QPSK	50	0	21.81	21.84	21.73						
20	QPSK	50	24	21.70	21.82	21.65	23	1				
20	QPSK	50	50	21.75	21.78	21.62						
20	QPSK	100	0	21.73	21.75	21.70						
20	16QAM	1	0	21.85	21.85	21.74						
20	16QAM	1	49	21.82	21.82	21.64	23	1				
20	16QAM	1	99	21.63	21.76	21.61						
20	16QAM	50	0	20.75	20.82	20.66						
20	16QAM	50	24	20.74	20.88	20.69						
20	16QAM	50	50	20.79	20.77	20.66	22	2				
20	16QAM	100	0	20.74	20.75	20.73						
20	64QAM	1	0	20.87	20.81	20.82						
20	64QAM	1	49	20.69	20.73	20.63						
20	64QAM	1	99	20.67	20.82	20.64	22	2				
20	64QAM	50	0	19.75	19.83	19.70						
20	64QAM	50	24	19.72	19.76	19.63						
20	64QAM	50	50	19.72	19.83	19.67						
20	64QAM	100	0	19.72	19.81	19.72	21	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.66	22.82	22.65	24	0				
15	QPSK	1	37	22.55	22.73	22.48						
15	QPSK	1	74	22.58	22.77	22.48						
15	QPSK	36	0	21.76	21.77	21.69						
15	QPSK	36	20	21.63	21.68	21.50	23	1				
15	QPSK	36	39	21.68	21.67	21.48						
15	QPSK	75	0	21.65	21.70	21.60						
15	16QAM	1	0	21.76	21.72	21.66						
15	16QAM	1	37	21.48	21.79	21.55	23	1				
15	16QAM	1	74	21.55	21.68	21.52						
15	16QAM	36	0	20.71	20.72	20.54						
15	16QAM	36	20	20.65	20.73	20.59						
15	16QAM	36	39	20.68	20.73	20.54	22	2				
15	16QAM	75	0	20.61	20.63	20.56						
15	64QAM	1	0	20.73	20.74	20.74						
15	64QAM	1	37	20.52	20.62	20.51						
15	64QAM	1	74	20.53	20.76	20.55	22	2				
15	64QAM	36	0	19.67	19.69	19.53						
15	64QAM	36	20	19.68	19.68	19.53						
15	64QAM	36	39	19.64	19.78	19.54						
15	64QAM	75	0	19.64	19.72	19.61	21	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.75	22.80	22.65	24	0				
10	QPSK	1	25	22.49	22.69	22.61						
10	QPSK	1	49	22.56	22.62	22.61						
10	QPSK	25	0	21.66	21.73	21.60						
10	QPSK	25	12	21.63	21.73	21.50	23	1				
10	QPSK	25	25	21.64	21.63	21.54						
10	QPSK	50	0	21.60	21.72	21.62						
10	16QAM	1	0	21.72	21.79	21.70						
10	16QAM	1	25	21.50	21.70	21.48	23	1				
10	16QAM	1	49	21.57	21.66	21.49						
10	16QAM	25	0	20.61	20.67	20.49						
10	16QAM	25	12	20.60	20.82	20.60						
10	16QAM	25	25	20.66	20.64	20.56	22	2				
10	16QAM	50	0	20.57	20.61	20.66						
10	64QAM	1	0	20.84	20.71	20.76						
10	64QAM	1	25	20.61	20.59	20.49						
10	64QAM	1	49	20.56	20.65	20.59	22	2				
10	64QAM	25	0	19.61	19.70	19.62						
10	64QAM	25	12	19.68	19.70	19.57						
10	64QAM	25	25	19.57	19.69	19.50						
10	64QAM	50	0	19.63	19.77	19.56	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.69	22.81	22.62	24	0				
5	QPSK	1	12	22.51	22.68	22.61						
5	QPSK	1	24	22.54	22.70	22.56						
5	QPSK	12	0	21.72	21.68	21.61						
5	QPSK	12	7	21.54	21.67	21.50	23	1				
5	QPSK	12	13	21.64	21.63	21.58						
5	QPSK	25	0	21.62	21.61	21.60						
5	16QAM	1	0	21.76	21.73	21.64						
5	16QAM	1	12	21.53	21.73	21.54	23	1				
5	16QAM	1	24	21.58	21.73	21.53						
5	16QAM	12	0	20.71	20.73	20.65						
5	16QAM	12	7	20.57	20.73	20.60						
5	16QAM	12	13	20.70	20.61	20.53	22	2				
5	16QAM	25	0	20.66	20.65	20.57						
5	64QAM	1	0	20.71	20.72	20.78						
5	64QAM	1	12	20.57	20.60	20.59						
5	64QAM	1	24	20.58	20.67	20.50	22	2				
5	64QAM	12	0	19.66	19.68	19.57						
5	64QAM	12	7	19.65	19.67	19.50						
5	64QAM	12	13	19.64	19.68	19.50						
5	64QAM	25	0	19.56	19.73	19.68	21	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.68	22.79	22.71	24	0				
3	QPSK	1	8	22.50	22.75	22.57						
3	QPSK	1	14	22.56	22.74	22.56						
3	QPSK	8	0	21.75	21.78	21.58						
3	QPSK	8	4	21.61	21.68	21.58	23	1				
3	QPSK	8	7	21.58	21.68	21.59						
3	QPSK	15	0	21.69	21.67	21.58						
3	16QAM	1	0	21.77	21.77	21.61						
3	16QAM	1	8	21.46	21.77	21.53	23	1				
3	16QAM	1	14	21.52	21.66	21.51						
3	16QAM	8	0	20.63	20.66	20.59						
3	16QAM	8	4	20.70	20.75	20.60						
3	16QAM	8	7	20.65	20.69	20.59	22	2				
3	16QAM	15	0	20.59	20.65	20.65						
3	64QAM	1	0	20.76	20.65	20.74						
3	64QAM	1	8	20.58	20.62	20.59						
3	64QAM	1	14	20.64	20.75	20.54	22	2				
3	64QAM	8	0	19.61	19.72	19.60						
3	64QAM	8	4	19.65	19.69	19.46						
3	64QAM	8	7	19.63	19.73	19.51						
3	64QAM	15	0	19.67	19.76	19.61	21	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.70	22.79	22.73	24	0				
1.4	QPSK	1	3	22.60	22.75	22.60						
1.4	QPSK	1	5	22.52	22.66	22.53						
1.4	QPSK	3	0	22.74	22.79	22.71						
1.4	QPSK	3	1	22.51	22.75	22.49	23	1				
1.4	QPSK	3	3	22.57	22.69	22.57						
1.4	QPSK	6	0	21.72	21.76	21.69						
1.4	16QAM	1	0	21.59	21.71	21.51						
1.4	16QAM	1	3	21.59	21.67	21.59	23	1				
1.4	16QAM	1	5	21.68	21.63	21.64						
1.4	16QAM	3	0	21.73	21.80	21.57						
1.4	16QAM	3	1	21.55	21.68	21.51						
1.4	16QAM	3	3	21.54	21.62	21.56	22	2				
1.4	16QAM	6	0	20.67	20.65	20.55						
1.4	16QAM	1	0	20.59	20.77	20.59						
1.4	64QAM	1	3	20.69	20.71	20.63						
1.4	64QAM	1	5	20.63	20.66	20.64	22	2				
1.4	64QAM	3	0	20.73	20.76	20.71						
1.4	64QAM	3	1	20.63	20.62	20.49						
1.4	64QAM	3	3	20.54	20.74	20.50						
1.4	64QAM	6	0	19.60	19.67	19.66	21	3				

Band 66 Ant4									
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				132072	132322	132572	24	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.73	22.78	22.76			
20	QPSK	1	49	22.62	22.75	22.64			
20	QPSK	1	99	22.68	22.75	22.66			
20	QPSK	50	0	21.60	21.85	21.77			
20	QPSK	50	24	21.60	21.70	21.60			
20	QPSK	50	50	21.72	21.73	21.71			
20	QPSK	100	0	21.78	21.80	21.78			
20	16QAM	1	0	21.73	21.81	21.74			
20	16QAM	1	49	21.58	21.72	21.66			
20	16QAM	1	99	21.61	21.76	21.67			
20	16QAM	50	0	20.66	20.79	20.71			
20	16QAM	50	24	20.53	20.64	20.62			
20	16QAM	50	50	20.66	20.67	20.72			
20	16QAM	100	0	20.78	20.75	20.72			
20	64QAM	1	0	20.68	20.74	20.74			
20	64QAM	1	49	20.69	20.81	20.64			
20	64QAM	1	99	20.67	20.79	20.63			
20	64QAM	50	0	19.69	19.83	19.80			
20	64QAM	50	24	19.63	19.65	19.65			
20	64QAM	50	50	19.79	19.72	19.67			
20	64QAM	100	0	19.73	19.83	19.81			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24	0	
15	QPSK	1	0	22.68	22.75	22.62			
15	QPSK	1	37	22.54	22.65	22.54			
15	QPSK	1	74	22.56	22.62	22.51			
15	QPSK	36	0	21.64	21.71	21.70			
15	QPSK	36	20	21.53	21.55	21.50			
15	QPSK	36	39	21.63	21.63	21.62			
15	QPSK	75	0	21.62	21.77	21.66			
15	16QAM	1	0	21.64	21.74	21.62			
15	16QAM	1	37	21.52	21.62	21.52			
15	16QAM	1	74	21.51	21.68	21.51			
15	16QAM	36	0	20.58	20.70	20.65			
15	16QAM	36	20	20.37	20.51	20.50			
15	16QAM	36	39	20.64	20.51	20.61			
15	16QAM	75	0	20.74	20.70	20.59			
15	64QAM	1	0	20.55	20.57	20.70			
15	64QAM	1	37	20.58	20.74	20.53			
15	64QAM	1	74	20.62	20.67	20.58			
15	64QAM	36	0	19.62	19.74	19.67			
15	64QAM	36	20	19.58	19.61	19.59			
15	64QAM	36	39	19.62	19.66	19.63			
15	64QAM	75	0	19.64	19.74	19.71			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24	0	
10	QPSK	1	0	22.59	22.72	22.70			
10	QPSK	1	25	22.57	22.66	22.52			
10	QPSK	1	49	22.64	22.70	22.61			
10	QPSK	25	0	21.56	21.68	21.65			
10	QPSK	25	12	21.48	21.64	21.45			
10	QPSK	25	25	21.64	21.59	21.54			
10	QPSK	50	0	21.62	21.64	21.70			
10	16QAM	1	0	21.70	21.73	21.63			
10	16QAM	1	25	21.43	21.68	21.53			
10	16QAM	1	49	21.50	21.61	21.54			
10	16QAM	25	0	20.60	20.64	20.61			
10	16QAM	25	12	20.40	20.49	20.50			
10	16QAM	25	25	20.58	20.59	20.57			
10	16QAM	50	0	20.73	20.58	20.69			
10	64QAM	1	0	20.54	20.66	20.57			
10	64QAM	1	25	20.55	20.69	20.47			
10	64QAM	1	49	20.51	20.73	20.59			
10	64QAM	25	0	19.62	19.75	19.66			
10	64QAM	25	12	19.59	19.55	19.60			
10	64QAM	25	25	19.75	19.63	19.60			
10	64QAM	50	0	19.68	19.78	19.67			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24	0	
5	QPSK	1	0	22.64	22.75	22.63			
5	QPSK	1	12	22.46	22.65	22.56			
5	QPSK	1	24	22.63	22.71	22.55			
5	QPSK	12	0	21.59	21.80	21.72			
5	QPSK	12	7	21.56	21.60	21.50			
5	QPSK	12	13	21.57	21.58	21.65			
5	QPSK	25	0	21.68	21.65	21.67			
5	16QAM	1	0	21.58	21.72	21.58			
5	16QAM	1	12	21.43	21.67	21.63			
5	16QAM	1	24	21.49	21.65	21.63			
5	16QAM	12	0	20.62	20.70	20.64			
5	16QAM	12	7	20.50	20.51	20.49			
5	16QAM	12	13	20.57	20.60	20.67			
5	16QAM	25	0	20.67	20.67	20.56			
5	64QAM	1	0	20.61	20.70	20.60			
5	64QAM	1	12	20.54	20.72	20.52			
5	64QAM	1	24	20.52	20.63	20.48			
5	64QAM	12	0	19.55	19.76	19.66			
5	64QAM	12	7	19.52	19.54	19.51			
5	64QAM	12	13	19.64	19.63	19.51			
5	64QAM	25	0	19.63	19.72	19.68			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	24	0	
3	QPSK	1	0	22.67	22.71	22.61			
3	QPSK	1	8	22.57	22.69	22.51			
3	QPSK	1	14	22.59	22.71	22.61			
3	QPSK	8	0	21.60	21.75	21.73			
3	QPSK	8	4	21.45	21.55	21.50			
3	QPSK	8	7	21.62	21.66	21.55			
3	QPSK	15	0	21.69	21.72	21.66			
3	16QAM	1	0	21.57	21.70	21.64			
3	16QAM	1	8	21.47	21.60	21.59			
3	16QAM	1	14	21.51	21.67	21.58			
3	16QAM	8	0	20.61	20.63	20.59			
3	16QAM	8	4	20.41	20.49	20.47			
3	16QAM	8	7	20.53	20.55	20.65			
3	16QAM	15	0	20.73	20.65	20.60			
3	64QAM	1	0	20.59	20.57	20.58			
3	64QAM	1	8	20.66	20.65	20.56			
3	64QAM	1	14	20.58	20.68	20.54			
3	64QAM	8	0	19.60	19.66	19.64			
3	64QAM	8	4	19.51	19.57	19.52			
3	64QAM	8	7	19.67	19.61	19.61			
3	64QAM	15	0	19.60	19.77	19.64			
Channel				131979	132322	132669	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	24	0	
1.4	QPSK	1	0	22.62	22.73	22.72			
1.4	QPSK	1	3	22.48	22.66	22.52			
1.4	QPSK	1	5	22.63	22.70	22.50			
1.4	QPSK	3	0	22.60	22.72	22.70			
1.4	QPSK	3	1	22.47	22.59	22.58			
1.4	QPSK	3	3	22.54	22.67	22.58			
1.4	QPSK	6	0	21.60	21.81	21.64			
1.4	16QAM	1	0	21.55	21.62	21.47			
1.4	16QAM	1	3	21.60	21.61	21.65			
1.4	16QAM	1	5	21.74	21.68	21.61			
1.4	16QAM	3	0	21.60	21.71	21.67			
1.4	16QAM	3	1	21.49	21.68	21.59			
1.4	16QAM	3	3	21.57	21.67	21.59			
1.4	16QAM	6	0	20.61	20.76	20.59			
1.4	64QAM	1	0	20.48	20.47	20.50			
1.4	64QAM	1	3	20.55	20.53	20.65			
1.4	64QAM	1	5	20.61	20.62	20.67			
1.4	64QAM	3	0	20.56	20.55	20.65			
1.4	64QAM	3	1	20.65	20.73	20.49			
1.4	64QAM	3	3	20.57	20.75	20.56			
1.4	64QAM	6	0	19.55	19.71	19.71			
1.4	64QAM	6	0	19.55	19.71	19.71			



ECI2 Power for Other PA

Band 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	19100						
20	QPSK	1	0	15.17	15.48	15.31	16.5	0				
20	QPSK	1	49	15.02	15.39	15.11						
20	QPSK	1	99	15.10	15.33	15.36						
20	QPSK	50	0	15.13	15.47	15.34	16.5	0				
20	QPSK	50	24	15.16	15.40	15.07						
20	QPSK	50	50	15.08	15.29	15.41						
20	QPSK	100	0	15.16	15.36	15.28	16.5	0				
20	16QAM	1	0	15.17	15.26	15.27						
20	16QAM	1	49	15.25	15.46	15.21						
20	16QAM	1	99	15.28	15.45	15.32	16.5	0				
20	16QAM	50	0	15.29	15.40	15.33						
20	16QAM	50	24	15.31	15.34	15.28						
20	16QAM	50	50	15.30	15.39	15.30	16.5	0				
20	16QAM	100	0	15.25	15.47	15.41						
20	64QAM	1	0	15.17	15.26	15.27						
20	64QAM	1	49	15.00	15.42	15.00	16.5	0				
20	64QAM	1	99	15.00	15.49	15.21						
20	64QAM	50	0	15.36	15.37	15.32						
20	64QAM	50	24	15.35	15.37	15.33	16.5	0				
20	64QAM	50	50	15.33	15.38	15.32						
20	64QAM	100	0	15.26	15.36	15.32						
Channel												
Frequency (MHz)				18675	18800	19075				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.19	15.46	15.37	16.5	0				
15	QPSK	1	37	15.02	15.35	15.05						
15	QPSK	1	74	15.08	15.31	15.35						
15	QPSK	36	0	15.17	15.38	15.31	16.5	0				
15	QPSK	36	20	15.15	15.43	15.10						
15	QPSK	36	39	15.07	15.32	15.34						
15	QPSK	75	0	15.09	15.33	15.24	16.5	0				
15	16QAM	1	0	15.21	15.32	15.27						
15	16QAM	1	37	15.20	15.45	15.17						
15	16QAM	1	74	15.25	15.50	15.31	16.5	0				
15	16QAM	36	0	15.32	15.37	15.27						
15	16QAM	36	20	15.34	15.37	15.26						
15	16QAM	36	39	15.32	15.36	15.29	16.5	0				
15	16QAM	75	0	15.24	15.48	15.42						
15	64QAM	1	0	15.14	15.30	15.29						
15	64QAM	1	37	15.04	15.42	15.03	16.5	0				
15	64QAM	1	74	15.04	15.43	15.22						
15	64QAM	36	0	15.29	15.33	15.31						
15	64QAM	36	20	15.31	15.39	15.37	16.5	0				
15	64QAM	36	39	15.34	15.37	15.30						
15	64QAM	75	0	15.29	15.39	15.39						
Channel												
Frequency (MHz)				18655	18800	19150				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.24	15.52	15.33	16.5	0				
10	QPSK	1	25	15.02	15.43	15.08						
10	QPSK	1	49	15.09	15.23	15.35						
10	QPSK	25	0	15.11	15.39	15.27	16.5	0				
10	QPSK	25	12	15.17	15.33	15.07						
10	QPSK	25	25	15.16	15.34	15.28						
10	QPSK	50	0	15.17	15.32	15.28	16.5	0				
10	16QAM	1	0	15.30	15.32	15.31						
10	16QAM	1	25	15.21	15.37	15.15						
10	16QAM	1	49	15.29	15.45	15.29	16.5	0				
10	16QAM	25	0	15.35	15.40	15.29						
10	16QAM	25	12	15.29	15.34	15.29						
10	16QAM	25	25	15.33	15.36	15.29	16.5	0				
10	16QAM	50	0	15.23	15.49	15.38						
10	64QAM	1	0	15.11	15.30	15.27						
10	64QAM	1	25	15.14	15.41	15.05	16.5	0				
10	64QAM	1	49	15.35	15.42	15.26						
10	64QAM	25	0	15.36	15.30	15.32						
10	64QAM	25	12	15.38	15.34	15.35	16.5	0				
10	64QAM	25	25	15.30	15.32	15.35						
10	64QAM	50	0	15.25	15.39	15.37						
Channel												
Frequency (MHz)				18625	18800	19175				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.25	15.50	15.33	16.5	0				
5	QPSK	1	12	15.04	15.42	15.12						
5	QPSK	1	24	15.10	15.27	15.38						
5	QPSK	12	0	15.16	15.40	15.32	16.5	0				
5	QPSK	12	7	15.16	15.41	15.03						
5	QPSK	12	13	15.08	15.29	15.40						
5	QPSK	25	0	15.08	15.32	15.27	16.5	0				
5	16QAM	1	0	15.25	15.37	15.27						
5	16QAM	1	12	15.27	15.44	15.16						
5	16QAM	1	24	15.21	15.48	15.33	16.5	0				
5	16QAM	12	0	15.32	15.40	15.34						
5	16QAM	12	7	15.32	15.33	15.27						
5	16QAM	12	13	15.30	15.36	15.30	16.5	0				
5	16QAM	25	0	15.31	15.45	15.35						
5	64QAM	1	0	15.11	15.33	15.27						
5	64QAM	1	12	15.22	15.42	15.03	16.5	0				
5	64QAM	1	24	15.21	15.42	15.21						
5	64QAM	12	0	15.31	15.31	15.33						
5	64QAM	12	7	15.37	15.36	15.32	16.5	0				
5	64QAM	12	13	15.30	15.33	15.38						
5	64QAM	25	0	15.23	15.37	15.38						
Channel												
Frequency (MHz)				18615	18800	19185				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	15.26	15.49	15.33	16.5	0				
3	QPSK	1	8	15.22	15.39	15.05						
3	QPSK	1	14	15.09	15.25	15.33						
3	QPSK	8	0	15.21	15.38	15.31	16.5	0				
3	QPSK	8	4	15.11	15.37	15.02						
3	QPSK	8	7	15.14	15.27	15.40						
3	QPSK	15	0	15.12	15.31	15.25	16.5	0				
3	16QAM	1	0	15.25	15.33	15.33						
3	16QAM	1	8	15.23	15.39	15.19						
3	16QAM	1	14	15.24	15.43	15.29	16.5	0				
3	16QAM	8	0	15.36	15.41	15.33						
3	16QAM	8	4	15.29	15.36	15.30						
3	16QAM	8	7	15.35	15.39	15.33	16.5	0				
3	16QAM	15	0	15.23	15.41	15.45						
3	64QAM	1	0	15.16	15.32	15.26						
3	64QAM	1	8	15.06	15.46	15.07	16.5	0				
3	64QAM	1	14	15.07	15.43	15.26						
3	64QAM	8	0	15.32	15.35	15.30						
3	64QAM	8	4	15.33	15.35	15.31	16.5	0				
3	64QAM	8	7	15.35	15.39	15.33						
3	64QAM	15	0	15.30	15.40	15.31						
Channel												
Frequency (MHz)				18607	18800	19193				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.16	15.51	15.32	16.5	0				
1.4	QPSK	1	3	15.11	15.43	15.14						
1.4	QPSK	1	5	15.09	15.30	15.38						
1.4	QPSK	3	0	15.16	15.39	15.26	16.5	0				
1.4	QPSK	3	1	15.13	15.39	15.06						
1.4	QPSK	3	3	15.07	15.31	15.38						
1.4	QPSK	6	0	15.09	15.35	15.26	16.5	0				
1.4	16QAM	1	0	15.24	15.41	15.24						
1.4	16QAM	1	3	15.28	15.39	15.14						
1.4	16QAM	1	5	15.24	15.42	15.34	16.5	0				
1.4	16QAM	3	0	15.32	15.42	15.35						
1.4	16QAM	3	1	15.35	15.32	15.30						
1.4	16QAM	3	3	15.27	15.38	15.27	16.5	0				
1.4	16QAM	6	0	15.25	15.47	15.44						
1.4	64QAM	1	0	15.12	15.29	15.23						
1.4	64QAM	1	3	15.05	15.41	15.01	16.5	0				
1.4	64QAM	1	5	15.05	15.45	15.20						
1.4	64QAM	3	0	15.30	15.31	15.32						
1.4	64QAM	3	1	15.35	15.36	15.33	16.5	0				
1.4	64QAM	3	3	15.34	15.35	15.33						
1.4	64QAM	6	0	15.25	15.42	15.30						

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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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	15.73	15.80	15.98	17	0	
20	QPSK	1	49	15.66	15.74	15.63			
20	QPSK	1	99	15.71	15.59	15.63	17	0	
20	QPSK	50	0	15.61	15.69	15.45			
20	QPSK	50	24	15.61	15.62	15.49	17	0	
20	QPSK	50	50	15.61	15.66	15.54			
20	QPSK	100	0	15.61	15.65	15.63	17	0	
20	16QAM	1	0	15.63	15.75	15.65			
20	16QAM	1	49	15.62	15.74	15.53	17	0	
20	16QAM	1	99	15.55	15.74	15.76			
20	16QAM	50	0	15.43	15.70	15.48	17	0	
20	16QAM	50	24	15.56	15.79	15.68			
20	16QAM	50	50	15.53	15.51	15.58	17	0	
20	16QAM	100	0	15.64	15.62	15.65			
20	64QAM	1	0	15.38	15.51	15.52	17	0	
20	64QAM	1	49	15.46	15.53	15.47			
20	64QAM	1	99	15.46	15.51	15.40	17	0	
20	64QAM	50	0	15.64	15.57	15.59			
20	64QAM	50	24	15.57	15.51	15.40	17	0	
20	64QAM	50	50	15.56	15.57	15.57			
20	64QAM	100	0	15.54	15.55	15.46	17	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.64	15.87	15.47	17	0	
15	QPSK	1	37	15.58	15.56	15.37			
15	QPSK	1	74	15.62	15.50	15.47	17	0	
15	QPSK	36	0	15.44	15.58	15.36			
15	QPSK	36	20	15.46	15.47	15.35	17	0	
15	QPSK	36	39	15.51	15.52	15.45			
15	QPSK	75	0	15.54	15.53	15.49	17	0	
15	16QAM	1	0	15.52	15.72	15.52			
15	16QAM	1	37	15.57	15.61	15.42	17	0	
15	16QAM	1	74	15.42	15.67	15.64			
15	16QAM	36	0	15.39	15.61	15.36	17	0	
15	16QAM	36	20	15.44	15.61	15.56			
15	16QAM	36	39	15.39	15.38	15.50	17	0	
15	16QAM	75	0	15.53	15.51	15.50			
15	64QAM	1	0	15.32	15.48	15.48	17	0	
15	64QAM	1	37	15.37	15.44	15.39			
15	64QAM	1	74	15.36	15.47	15.36	17	0	
15	64QAM	36	0	15.52	15.48	15.52			
15	64QAM	36	20	15.44	15.43	15.29	17	0	
15	64QAM	36	39	15.45	15.43	15.48			
15	64QAM	75	0	15.47	15.40	15.44	17	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.61	15.68	15.48	17	0	
10	QPSK	1	25	15.54	15.62	15.34			
10	QPSK	1	49	15.60	15.52	15.49	17	0	
10	QPSK	25	0	15.48	15.56	15.40			
10	QPSK	25	12	15.51	15.50	15.36	17	0	
10	QPSK	25	25	15.51	15.52	15.41			
10	QPSK	50	0	15.55	15.51	15.51	17	0	
10	16QAM	1	0	15.49	15.65	15.48			
10	16QAM	1	25	15.59	15.63	15.47	17	0	
10	16QAM	1	49	15.48	15.74	15.63			
10	16QAM	25	0	15.32	15.55	15.40	17	0	
10	16QAM	25	12	15.48	15.70	15.54			
10	16QAM	25	25	15.46	15.45	15.45	17	0	
10	16QAM	50	0	15.48	15.50	15.60			
10	64QAM	1	0	15.25	15.45	15.39	17	0	
10	64QAM	1	25	15.31	15.43	15.39			
10	64QAM	1	49	15.39	15.43	15.34	17	0	
10	64QAM	25	0	15.50	15.54	15.45			
10	64QAM	25	12	15.47	15.50	15.27	17	0	
10	64QAM	25	25	15.46	15.47	15.51			
10	64QAM	50	0	15.40	15.37	15.44	17	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.66	15.65	15.47	17	0	
5	QPSK	1	12	15.58	15.58	15.40			
5	QPSK	1	24	15.66	15.50	15.53	17	0	
5	QPSK	12	0	15.54	15.52	15.44			
5	QPSK	12	7	15.44	15.50	15.38	17	0	
5	QPSK	12	13	15.55	15.53	15.46			
5	QPSK	25	0	15.50	15.63	15.53	17	0	
5	16QAM	1	0	15.48	15.73	15.56			
5	16QAM	1	12	15.54	15.63	15.47	17	0	
5	16QAM	1	24	15.38	15.73	15.64			
5	16QAM	12	0	15.38	15.60	15.39	17	0	
5	16QAM	12	7	15.48	15.70	15.52			
5	16QAM	12	13	15.39	15.47	15.52	17	0	
5	16QAM	25	0	15.52	15.45	15.54			
5	64QAM	1	0	15.28	15.48	15.43	17	0	
5	64QAM	1	12	15.40	15.50	15.41			
5	64QAM	1	24	15.39	15.45	15.38	17	0	
5	64QAM	12	0	15.49	15.47	15.50			
5	64QAM	12	7	15.46	15.41	15.29	17	0	
5	64QAM	12	13	15.48	15.41	15.47			
5	64QAM	25	0	15.40	15.45	15.45	17	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	15.62	15.73	15.55	17	0	
3	QPSK	1	8	15.64	15.61	15.32			
3	QPSK	1	14	15.52	15.46	15.49	17	0	
3	QPSK	8	0	15.50	15.52	15.43			
3	QPSK	8	4	15.48	15.48	15.41	17	0	
3	QPSK	8	7	15.54	15.54	15.49			
3	QPSK	15	0	15.53	15.50	15.51	17	0	
3	16QAM	1	0	15.53	15.68	15.56			
3	16QAM	1	8	15.55	15.65	15.46	17	0	
3	16QAM	1	14	15.39	15.68	15.63			
3	16QAM	8	0	15.30	15.53	15.40	17	0	
3	16QAM	8	4	15.46	15.64	15.61			
3	16QAM	8	7	15.40	15.41	15.52	17	0	
3	16QAM	15	0	15.48	15.54	15.55			
3	64QAM	1	0	15.32	15.40	15.41	17	0	
3	64QAM	1	8	15.38	15.47	15.40			
3	64QAM	1	14	15.37	15.43	15.30	17	0	
3	64QAM	8	0	15.53	15.53	15.48			
3	64QAM	8	4	15.45	15.49	15.27	17	0	
3	64QAM	8	7	15.44	15.43	15.50			
3	64QAM	15	0	15.49	15.44	15.41	17	0	
Channel				131979	132322	132669			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.60	15.73	15.49	17	0	
1.4	QPSK	1	3	15.67	15.58	15.32			
1.4	QPSK	1	5	15.53	15.51	15.53	17	0	
1.4	QPSK	3	0	15.51	15.57	15.39			
1.4	QPSK	3	1	15.43	15.53	15.37	17	0	
1.4	QPSK	3	3	15.54	15.57	15.41	17	0	
1.4	QPSK	6	0	15.52	15.55	15.36			
1.4	16QAM	1	0	15.52	15.67	15.54	17	0	
1.4	16QAM	1	3	15.53	15.61	15.51			
1.4	16QAM	1	5	15.47	15.69	15.65	17	0	
1.4	16QAM	3	0	15.36	15.56	15.35			
1.4	16QAM	3	1	15.42	15.61	15.32	17	0	
1.4	16QAM	3	3	15.37	15.37	15.52			
1.4	16QAM	6	0	15.55	15.53	15.53	17	0	
1.4	64QAM	1	0	15.32	15.40	15.39			
1.4	64QAM	1	3	15.39	15.51	15.36	17	0	
1.4	64QAM	1	5	15.46	15.42	15.38			
1.4	64QAM	3	0	15.54	15.49	15.44	17	0	
1.4	64QAM	3	1	15.43	15.47	15.34			
1.4	64QAM	3	3	15.44	15.47	15.53	17	0	
1.4	64QAM	6	0	15.45	15.38	15.37			



ECI3 Power for Other PA

Band 2 Ant4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.84	15.89	15.70	17	0		
20	QPSK	1	49	15.79	15.80	15.55				
20	QPSK	50	0	15.69	15.74	15.59				
20	QPSK	50	24	15.66	15.72	15.59				
20	QPSK	50	50	15.71	15.73	15.64	17	0		
20	QPSK	100	0	15.73	15.70	15.72				
20	16QAM	1	0	15.72	15.88	15.72				
20	16QAM	1	49	15.77	15.81	15.67				
20	16QAM	1	99	15.63	15.91	15.81	17	0		
20	16QAM	50	0	15.55	15.76	15.59				
20	16QAM	50	24	15.67	15.86	15.76				
20	16QAM	50	50	15.61	15.62	15.70				
20	16QAM	100	0	15.71	15.70	15.75	17	0		
20	64QAM	1	0	15.50	15.64	15.63				
20	64QAM	1	49	15.55	15.66	15.61				
20	64QAM	1	99	15.61	15.65	15.54				
20	64QAM	50	0	15.70	15.70	15.68	17	0		
20	64QAM	50	24	15.68	15.66	15.50				
20	64QAM	50	50	15.68	15.63	15.69				
20	64QAM	100	0	15.64	15.60	15.61				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.80	15.68	15.45	17	0		
15	QPSK	1	37	15.64	15.56	15.34				
15	QPSK	1	74	15.57	15.45	15.51				
15	QPSK	36	0	15.52	15.57	15.39				
15	QPSK	36	20	15.48	15.51	15.38	17	0		
15	QPSK	36	39	15.47	15.49	15.43				
15	QPSK	75	0	15.51	15.45	15.57				
15	16QAM	1	0	15.51	15.64	15.55				
15	16QAM	1	37	15.55	15.63	15.46	17	0		
15	16QAM	1	74	15.44	15.67	15.65				
15	16QAM	36	0	15.39	15.53	15.36				
15	16QAM	36	20	15.45	15.65	15.55				
15	16QAM	36	39	15.40	15.43	15.50	17	0		
15	16QAM	75	0	15.51	15.45	15.44				
15	64QAM	1	0	15.33	15.46	15.45				
15	64QAM	1	37	15.40	15.49	15.43				
15	64QAM	1	74	15.38	15.49	15.31	17	0		
15	64QAM	36	0	15.49	15.51	15.49				
15	64QAM	36	20	15.46	15.43	15.34				
15	64QAM	36	39	15.51	15.42	15.50				
15	64QAM	75	0	15.44	15.43	15.39	17	0		
Channel				1893.0	1890.0	1910.5			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
10	QPSK	1	0	15.68	15.66	15.49	17	0		
10	QPSK	1	25	15.62	15.58	15.31				
10	QPSK	1	49	15.58	15.44	15.54				
10	QPSK	25	0	15.49	15.55	15.36				
10	QPSK	25	12	15.48	15.54	15.39	17	0		
10	QPSK	25	25	15.47	15.49	15.44				
10	QPSK	50	0	15.56	15.48	15.55				
10	16QAM	1	0	15.53	15.73	15.50				
10	16QAM	1	25	15.53	15.63	15.47	17	0		
10	16QAM	1	49	15.44	15.71	15.60				
10	16QAM	25	0	15.39	15.60	15.35				
10	16QAM	25	12	15.50	15.71	15.56				
10	16QAM	25	25	15.45	15.60	15.47	17	0		
10	16QAM	50	0	15.46	15.53	15.52				
10	64QAM	1	0	15.26	15.42	15.39				
10	64QAM	1	25	15.34	15.43	15.44				
10	64QAM	1	49	15.45	15.49	15.32	17	0		
10	64QAM	25	0	15.51	15.50	15.45				
10	64QAM	25	12	15.49	15.48	15.32				
10	64QAM	25	25	15.52	15.40	15.49				
10	64QAM	50	0	15.46	15.35	15.42	17	0		
Channel				1892.5	1890.0	1917.5			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
5	QPSK	1	0	15.64	15.68	15.48	17	0		
5	QPSK	1	12	15.58	15.65	15.40				
5	QPSK	1	24	15.55	15.51	15.45				
5	QPSK	12	0	15.46	15.54	15.40				
5	QPSK	12	7	15.44	15.50	15.36	17	0		
5	QPSK	12	13	15.55	15.55	15.47				
5	QPSK	25	0	15.49	15.57	15.45				
5	16QAM	1	0	15.51	15.69	15.52				
5	16QAM	1	12	15.60	15.61	15.49	17	0		
5	16QAM	1	24	15.39	15.70	15.61				
5	16QAM	12	0	15.35	15.52	15.41				
5	16QAM	12	7	15.49	15.65	15.55				
5	16QAM	12	13	15.38	15.41	15.47	17	0		
5	16QAM	25	0	15.51	15.52	15.51				
5	64QAM	1	0	15.30	15.43	15.39				
5	64QAM	1	12	15.39	15.50	15.41				
5	64QAM	1	24	15.46	15.42	15.34	17	0		
5	64QAM	12	0	15.46	15.49	15.44				
5	64QAM	12	7	15.52	15.43	15.31				
5	64QAM	12	13	15.53	15.40	15.53				
5	64QAM	25	0	15.44	15.37	15.38	17	0		
Channel				1891.5	1890.0	1918.5			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
3	QPSK	1	0	15.64	15.67	15.46	17	0		
3	QPSK	1	8	15.59	15.56	15.32				
3	QPSK	1	14	15.57	15.52	15.51				
3	QPSK	8	0	15.50	15.55	15.38				
3	QPSK	8	7	15.46	15.40	15.43	17	0		
3	QPSK	8	7	15.47	15.53	15.41				
3	QPSK	15	0	15.50	15.56	15.56				
3	16QAM	1	0	15.48	15.64	15.52				
3	16QAM	1	8	15.59	15.65	15.46	17	0		
3	16QAM	1	14	15.44	15.68	15.57				
3	16QAM	8	0	15.36	15.56	15.47				
3	16QAM	8	4	15.51	15.65	15.61				
3	16QAM	8	7	15.37	15.39	15.46	17	0		
3	16QAM	15	0	15.46	15.52	15.59				
3	64QAM	1	0	15.33	15.42	15.43				
3	64QAM	1	8	15.37	15.50	15.40				
3	64QAM	1	14	15.43	15.41	15.38	17	0		
3	64QAM	8	0	15.50	15.47	15.53				
3	64QAM	8	4	15.43	15.43	15.36				
3	64QAM	8	7	15.50	15.48	15.52				
3	64QAM	15	0	15.44	15.38	15.40	17	0		
Channel				1890.7	1890.0	1919.3			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
1.4	QPSK	1	0	15.62	15.66	15.50	17	0		
1.4	QPSK	1	3	15.57	15.62	15.35				
1.4	QPSK	1	5	15.53	15.46	15.49				
1.4	QPSK	3	0	15.46	15.56	15.41				
1.4	QPSK	3	1	15.46	15.47	15.39	17	0		
1.4	QPSK	3	3	15.46	15.58	15.45				
1.4	QPSK	6	0	15.55	15.56	15.50				
1.4	16QAM	1	0	15.57	15.73	15.56				
1.4	16QAM	1	3	15.59	15.56	15.49	17	0		
1.4	16QAM	1	5	15.47	15.67	15.62				
1.4	QPSK	3	0	15.50	15.56	15.44				
1.4	QPSK	3	1	15.50	15.63	15.55				
1.4	16QAM	3	3	15.41	15.43	15.45	17	0		
1.4	16QAM	6	0	15.55	15.51	15.60				
1.4	64QAM	1	0	15.33	15.46	15.44				
1.4	64QAM	1	3	15.39	15.46	15.36				
1.4	64QAM	1	5	15.36	15.49	15.37	17	0		
1.4	64QAM	3	0	15.50	15.43	15.44				
1.4	64QAM	3	1	15.49	15.44	15.28				
1.4	64QAM	3	3	15.49	15.42	15.48				
1.4	64QAM	6	0	15.47	15.45	15.40	17	0		

Band 66 Ant4									
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				132072	132322	132572			
Frequency (MHz)				1745	1765	1785			
20	QPSK	1	0	16.29	16.43	16.22	17.5	0	
20	QPSK	1	49	16.30	16.32	15.99			
20	QPSK	1	99	16.28	16.21	16.18			
20	QPSK	50	0	16.19	16.26	16.03			
20	QPSK	50	24	16.18	16.19	16.12			
20	QPSK	50	50	16.19	16.25	16.17	17.5	0	
20	QPSK	100	0	16.20	16.26	16.24			
20	16QAM	1	0	16.27	16.34	16.26			
20	16QAM	1	49	16.24	16.37	16.10			
20	16QAM	1	99	16.15	16.37	16.40			
20	16QAM	50	0	16.03	16.34	16.11	17.5	0	
20	16QAM	50	24	16.19	16.41	16.32			
20	16QAM	50	50	16.16	16.15	16.20			
20	16QAM	100	0	16.23	16.19	16.30			
20	64QAM	1	0	16.02	16.13	16.15			
20	64QAM	1	49	16.02	16.16	16.09	17.5	0	
20	64QAM	1	99	16.06	16.07	15.97			
20	64QAM	50	0	16.25	16.13	16.22			
20	64QAM	50	24	16.18	16.12	16.04			
20	64QAM	50	50	16.19	16.20	16.22			
20	64QAM	100	0	16.17	16.17	16.08			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.14	16.25	15.98	17.5	0	
15	QPSK	1	37	16.06	16.12	15.83			
15	QPSK	1	74	16.07	15.95	16.05			
15	QPSK	36	0	16.04	16.06	15.85			
15	QPSK	36	20	16.05	16.04	15.86			
15	QPSK	36	39	15.98	16.07	15.91	17.5	0	
15	QPSK	75	0	16.00	16.06	16.08			
15	16QAM	1	0	16.04	16.13	16.10			
15	16QAM	1	37	16.06	16.11	15.95			
15	16QAM	1	74	15.98	16.17	16.14			
15	16QAM	36	0	15.82	16.11	15.90	17.5	0	
15	16QAM	36	20	15.95	16.17	16.07			
15	16QAM	36	39	15.91	15.94	15.94			
15	16QAM	75	0	16.01	16.07	16.04			
15	64QAM	1	0	15.74	15.86	15.93			
15	64QAM	1	37	15.89	15.96	15.83	17.5	0	
15	64QAM	1	74	15.86	15.87	15.76			
15	64QAM	36	0	16.02	15.97	16.01			
15	64QAM	36	20	16.02	15.87	15.81			
15	64QAM	36	39	16.00	15.99	15.95			
15	64QAM	75	0	15.96	15.90	15.82			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.18	16.24	15.94	17.5	0	
10	QPSK	1	25	16.11	16.06	15.87			
10	QPSK	1	49	16.16	16.03	16.06			
10	QPSK	25	0	16.05	16.08	15.83			
10	QPSK	25	12	16.06	16.00	15.91			
10	QPSK	25	25	16.05	16.10	15.94	17.5	0	
10	QPSK	50	0	15.96	16.07	15.99			
10	16QAM	1	0	16.00	16.11	16.05			
10	16QAM	1	25	16.07	16.19	15.97			
10	16QAM	1	49	15.97	16.10	16.17			
10	16QAM	25	0	15.86	16.10	15.90	17.5	0	
10	16QAM	25	12	15.99	16.18	16.04			
10	16QAM	25	25	15.96	15.94	16.00			
10	16QAM	50	0	16.05	15.98	16.09			
10	64QAM	1	0	15.75	15.92	15.89			
10	64QAM	1	25	15.83	15.95	15.87	17.5	0	
10	64QAM	1	49	15.89	15.92	15.84			
10	64QAM	25	0	15.99	15.98	15.94			
10	64QAM	25	12	15.93	15.90	15.83			
10	64QAM	25	25	15.92	15.97	15.96			
10	64QAM	50	0	15.93	15.93	15.84			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.09	16.20	15.95	17.5	0	
5	QPSK	1	12	16.10	16.11	15.86			
5	QPSK	1	24	16.07	15.97	16.07			
5	QPSK	12	0	16.06	16.13	15.85			
5	QPSK	12	7	15.99	16.06	15.86			
5	QPSK	12	13	15.97	16.10	15.96	17.5	0	
5	QPSK	25	0	16.03	16.04	15.98			
5	16QAM	1	0	16.04	16.20	16.08			
5	16QAM	1	12	16.02	16.12	15.90			
5	16QAM	1	24	15.92	16.10	16.14			
5	16QAM	12	0	15.86	16.15	15.91	17.5	0	
5	16QAM	12	7	16.01	16.14	16.05			
5	16QAM	12	13	15.98	15.99	15.94			
5	16QAM	25	0	16.05	16.05	16.02			
5	64QAM	1	0	15.76	15.94	15.90			
5	64QAM	1	12	15.81	15.97	15.91	17.5	0	
5	64QAM	1	24	15.82	15.94	15.83			
5	64QAM	12	0	16.05	15.99	15.98			
5	64QAM	12	7	15.93	15.93	15.81			
5	64QAM	12	13	15.99	16.01	16.00			
5	64QAM	25	0	15.96	15.92	15.85			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.15	16.21	15.98	17.5	0	
3	QPSK	1	8	16.09	16.10	15.87			
3	QPSK	1	14	16.11	16.02	16.03			
3	QPSK	8	0	16.04	16.09	15.86			
3	QPSK	8	4	15.97	16.00	15.85			
3	QPSK	8	7	16.03	16.10	15.95	17.5	0	
3	QPSK	15	0	15.97	16.08	16.02			
3	16QAM	1	0	16.00	16.12	16.06			
3	16QAM	1	8	16.01	16.14	15.97			
3	16QAM	1	14	15.96	16.11	16.21			
3	16QAM	8	0	15.81	16.09	15.88	17.5	0	
3	16QAM	8	4	16.00	16.22	16.04			
3	16QAM	8	7	15.95	15.95	15.97			
3	16QAM	15	0	16.08	16.05	16.02			
3	64QAM	1	0	15.78	15.89	15.93			
3	64QAM	1	8	15.83	15.96	15.87	17.5	0	
3	64QAM	1	14	15.83	15.92	15.83			
3	64QAM	8	0	16.09	15.99	15.99			
3	64QAM	8	4	15.93	15.90	15.83			
3	64QAM	8	7	15.98	15.96	16.00			
3	64QAM	15	0	15.98	15.95	15.87			
Channel				131979	132322	132669			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.17	16.23	15.96	17.5	0	
1.4	QPSK	1	3	16.02	16.07	15.84			
1.4	QPSK	1	5	16.11	15.96	16.01			
1.4	QPSK	3	0	16.03	16.10	15.90			
1.4	QPSK	3	1	16.06	15.99	15.98			
1.4	QPSK	3	3	16.03	16.08	15.94	17.5	0	
1.4	QPSK	6	0	15.98	16.09	15.99			
1.4	16QAM	1	0	16.06	16.13	16.10			
1.4	16QAM	1	3	16.02	16.18	15.95			
1.4	16QAM	1	5	15.97	16.11	16.12			
1.4	16QAM	3	0	15.78	16.06	15.87	17.5	0	
1.4	16QAM	3	1	16.00	16.22	16.06			
1.4	16QAM	3	3	15.90	15.92	15.95	17.5	0	
1.4	16QAM	6	0	16.01	16.06	16.09			
1.4	64QAM	1	0	15.74	15.87	15.95			
1.4	64QAM	1	3	15.82	15.90	15.90			
1.4	64QAM	1	5	15.89	15.89	15.84			
1.4	64QAM	3	0	16.05	15.99	16.00	17.5	0	
1.4	64QAM	3	1	15.99	15.94	15.79			
1.4	64QAM	3	3	15.96	15.95	15.95			
1.4	64QAM	6	0	15.97	15.91	15.90			
1.4	64QAM	6	0	15.97	15.91	15.90			

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Band 2 Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.90	18.11	17.92	19	0			
20	QPSK	1	49	17.84	18.02	17.63					
20	QPSK	1	99	18.01	17.79	17.84					
20	QPSK	50	0	17.82	17.90	17.76					
20	QPSK	50	24	17.73	17.82	17.68	19	0			
20	QPSK	50	50	17.78	17.87	17.78					
20	QPSK	100	0	17.92	17.82	17.93					
20	16QAM	1	0	17.87	18.08	17.89					
20	16QAM	1	49	17.99	17.87	17.87	19	0			
20	16QAM	1	99	17.84	18.10	17.99					
20	16QAM	50	0	17.76	17.94	17.65					
20	16QAM	50	24	17.86	17.93	17.90					
20	16QAM	50	50	17.78	17.67	17.80	19	0			
20	16QAM	100	0	17.92	17.82	17.91					
20	64QAM	1	0	17.89	17.74	17.87					
20	64QAM	1	49	17.67	17.89	17.69	19	0			
20	64QAM	1	99	17.83	17.89	17.76					
20	64QAM	50	0	17.94	17.85	17.77					
20	64QAM	50	24	17.92	17.76	17.80					
20	64QAM	50	50	17.75	17.80	17.92	19	0			
20	64QAM	100	0	17.85	17.71	17.74					
Channel											
Frequency (MHz)											
15	QPSK	1	0	17.75	17.96	17.77	19	0			
15	QPSK	1	37	17.66	17.85	17.47					
15	QPSK	1	74	17.88	17.65	17.59					
15	QPSK	36	0	17.58	17.70	17.62					
15	QPSK	36	20	17.56	17.67	17.45	19	0			
15	QPSK	36	39	17.56	17.77	17.60					
15	QPSK	75	0	17.73	17.56	17.67					
15	16QAM	1	0	17.75	17.94	17.67					
15	16QAM	1	37	17.85	17.76	17.76	19	0			
15	16QAM	1	74	17.59	17.97	17.84					
15	16QAM	36	0	17.56	17.75	17.52					
15	16QAM	36	20	17.65	17.72	17.79					
15	16QAM	36	39	17.56	17.49	17.73	19	0			
15	16QAM	75	0	17.71	17.56	17.67					
15	64QAM	1	0	17.53	17.56	17.72					
15	64QAM	1	37	17.56	17.75	17.52	19	0			
15	64QAM	1	74	17.66	17.77	17.62					
15	64QAM	36	0	17.70	17.74	17.53					
15	64QAM	36	20	17.77	17.55	17.45					
15	64QAM	36	39	17.64	17.57	17.72	19	0			
15	64QAM	75	0	17.65	17.56	17.53					
Channel											
Frequency (MHz)											
10	QPSK	1	0	17.76	17.91	17.78	19	0			
10	QPSK	1	25	17.63	17.78	17.51					
10	QPSK	1	49	17.81	17.54	17.62					
10	QPSK	25	0	17.63	17.77	17.56					
10	QPSK	25	12	17.59	17.66	17.57	19	0			
10	QPSK	25	25	17.62	17.77	17.66					
10	QPSK	50	0	17.82	17.79	17.69					
10	16QAM	1	0	17.76	17.87	17.74					
10	16QAM	1	25	17.85	17.73	17.69	19	0			
10	16QAM	1	49	17.71	17.93	17.87					
10	16QAM	25	0	17.54	17.72	17.47					
10	16QAM	25	12	17.69	17.78	17.67					
10	16QAM	25	25	17.60	17.77	17.53	19	0			
10	16QAM	50	0	17.77	17.67	17.57					
10	64QAM	1	0	17.59	17.57	17.65					
10	64QAM	1	25	17.44	17.79	17.53	19	0			
10	64QAM	1	49	17.69	17.68	17.54					
10	64QAM	25	0	17.83	17.74	17.57					
10	64QAM	25	12	17.68	17.55	17.39					
10	64QAM	25	25	17.60	17.71	17.71	19	0			
10	64QAM	50	0	17.65	17.49	17.39					
Channel											
Frequency (MHz)											
5	QPSK	1	0	17.68	17.91	17.68	19	0			
5	QPSK	1	12	17.70	17.80	17.45					
5	QPSK	1	24	17.77	17.56	17.73					
5	QPSK	12	0	17.72	17.75	17.57					
5	QPSK	12	7	17.56	17.70	17.54	19	0			
5	QPSK	12	13	17.52	17.75	17.62					
5	QPSK	25	0	17.78	17.78	17.61					
5	16QAM	1	0	17.67	17.97	17.76					
5	16QAM	1	12	17.84	17.75	17.66	19	0			
5	16QAM	1	24	17.70	17.85	17.85					
5	16QAM	12	0	17.52	17.71	17.53					
5	16QAM	12	7	17.69	17.70	17.70					
5	16QAM	12	13	17.58	17.52	17.71	19	0			
5	16QAM	25	0	17.70	17.84	17.69					
5	64QAM	1	0	17.55	17.49	17.67					
5	64QAM	1	12	17.47	17.71	17.58	19	0			
5	64QAM	1	24	17.72	17.71	17.59					
5	64QAM	12	0	17.82	17.62	17.52					
5	64QAM	12	7	17.76	17.52	17.42					
5	64QAM	12	13	17.52	17.70	17.72	19	0			
5	64QAM	25	0	17.73	17.53	17.52					
Channel											
Frequency (MHz)											
3	QPSK	1	0	17.72	17.88	17.77	19	0			
3	QPSK	1	8	17.66	17.78	17.41					
3	QPSK	1	14	17.85	17.69	17.72					
3	QPSK	8	0	17.58	17.78	17.65					
3	QPSK	8	4	17.61	17.72	17.46	19	0			
3	QPSK	8	7	17.54	17.69	17.58					
3	QPSK	15	0	17.76	17.71	17.67					
3	16QAM	1	0	17.65	17.87	17.75					
3	16QAM	1	8	17.84	17.63	17.70	19	0			
3	16QAM	1	14	17.66	17.88	17.77					
3	16QAM	8	0	17.64	17.73	17.52					
3	16QAM	8	4	17.63	17.73	17.71					
3	16QAM	8	7	17.64	17.46	17.72	19	0			
3	16QAM	15	0	17.80	17.66	17.74					
3	64QAM	1	0	17.59	17.56	17.75					
3	64QAM	1	8	17.45	17.72	17.52	19	0			
3	64QAM	1	14	17.68	17.68	17.66					
3	64QAM	8	0	17.73	17.63	17.57					
3	64QAM	8	4	17.79	17.65	17.46					
3	64QAM	8	7	17.59	17.66	17.68	19	0			
3	64QAM	15	0	17.62	17.54	17.57					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	17.67	17.95	17.69	19	0			
1.4	QPSK	1	3	17.61	17.90	17.51					
1.4	QPSK	1	5	17.77	17.55	17.61					
1.4	QPSK	3	0	17.70	17.73	17.59					
1.4	QPSK	3	1	17.62	17.63	17.46	19	0			
1.4	QPSK	3	3	17.66	17.71	17.57					
1.4	QPSK	6	0	17.81	17.69	17.72					
1.4	16QAM	1	0	17.75	17.91	17.78					
1.4	16QAM	1	3	17.85	17.76	17.72	19	0			
1.4	16QAM	1	5	17.61	17.95	17.82					
1.4	16QAM	3	0	17.55	17.73	17.75					
1.4	16QAM	3	1	17.62	17.76	17.72					
1.4	16QAM	3	3	17.57	17.57	17.75	19	0			
1.4	16QAM	6	0	17.70	17.59	17.76					
1.4	64QAM	1	0	17.52	17.57	17.64					
1.4	64QAM	1	3	17.45	17.77	17.58					
1.4	64QAM	1	5	17.67	17.66	17.57	19	0			
1.4	64QAM	3	0	17.74	17.69	17.56					
1.4	64QAM	3	1	17.69	17.57	17.47					
1.4	64QAM	3	3	17.54	17.60	17.81					
1.4	64QAM	6	0	17.73	17.51	17.54	19				

Band 66 Ant4									
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				132072	132322	132572	20		
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.19	19.29	19.99	20	0	
20	QPSK	1	49	19.09	19.17	19.79			
20	QPSK	1	99	19.05	18.97	19.08			
20	QPSK	50	0	18.94	19.14	18.81			
20	QPSK	50	24	18.93	19.08	18.97			
20	QPSK	50	50	19.03	19.13	19.01	20	0	
20	QPSK	100	0	19.05	19.09	19.11			
20	16QAM	1	0	19.14	19.18	19.03			
20	16QAM	1	49	19.07	19.26	18.86			
20	16QAM	1	99	19.01	19.24	19.17			
20	16QAM	50	0	18.84	19.11	18.94	20	0	
20	16QAM	50	24	18.95	19.18	19.14			
20	16QAM	50	50	18.91	18.90	18.96			
20	16QAM	100	0	19.11	18.96	19.15			
20	64QAM	1	0	18.87	18.93	18.96			
20	64QAM	1	49	18.80	18.98	18.92	20	0	
20	64QAM	1	99	18.85	18.96	18.77			
20	64QAM	50	0	19.02	18.91	18.97			
20	64QAM	50	24	19.06	18.93	18.86			
20	64QAM	50	50	19.08	19.02	19.12			
20	64QAM	100	0	19.05	19.06	19.93	20		
Channel				132047	132322	132997			
Frequency (MHz)				1717.5	1745	1772.5	20		MPR (dB)
15	QPSK	1	0	19.07	19.13	19.87			
15	QPSK	1	37	18.97	18.94	18.63	20	0	
15	QPSK	1	74	18.85	18.80	18.84			
15	QPSK	36	0	18.69	18.90	18.60			
15	QPSK	36	20	18.73	18.88	18.77			
15	QPSK	36	39	18.92	18.86	18.76			
15	QPSK	75	0	18.91	18.97	18.95	20	0	
15	16QAM	1	0	18.98	19.07	18.78			
15	16QAM	1	37	18.86	19.06	18.74			
15	16QAM	1	74	18.83	19.09	18.99			
15	16QAM	36	0	18.71	18.90	18.75			
15	16QAM	36	20	18.85	18.96	18.91	20	0	
15	16QAM	36	39	18.70	18.78	18.75			
15	16QAM	75	0	18.98	18.73	19.04			
15	64QAM	1	0	18.70	18.82	18.85			
15	64QAM	1	37	18.61	18.77	18.67			
15	64QAM	1	74	18.73	18.79	18.64	20	0	
15	64QAM	36	0	18.91	18.69	18.85			
15	64QAM	36	20	18.85	18.71	18.74			
15	64QAM	36	39	18.88	18.86	18.89			
15	64QAM	75	0	18.88	18.94	18.83			
Channel				132022	132322	132622	20		MPR (dB)
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.95	19.11	18.86	20	0	
10	QPSK	1	25	18.98	18.95	18.68			
10	QPSK	1	49	18.87	18.79	18.94			
10	QPSK	25	0	18.72	18.93	18.70			
10	QPSK	25	12	18.79	18.98	18.77			
10	QPSK	25	25	18.91	19.03	18.82	20	0	
10	QPSK	50	0	18.86	18.86	19.01			
10	16QAM	1	0	18.94	19.00	18.84			
10	16QAM	1	25	18.88	19.15	18.74			
10	16QAM	1	49	18.87	19.13	19.04			
10	16QAM	25	0	18.66	18.88	18.79	20	0	
10	16QAM	25	12	18.82	19.04	18.94			
10	16QAM	25	25	18.76	18.73	18.78			
10	16QAM	50	0	18.98	18.78	19.00			
10	64QAM	1	0	18.70	18.78	18.85			
10	64QAM	1	25	18.85	18.80	18.68	20	0	
10	64QAM	1	49	18.70	18.83	18.63			
10	64QAM	25	0	18.91	18.79	18.77			
10	64QAM	25	12	18.89	18.81	18.68			
10	64QAM	25	25	18.84	18.86	18.97			
10	64QAM	50	0	18.95	18.87	18.68	20		
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	20		MPR (dB)
5	QPSK	1	0	18.96	19.07	18.86			
5	QPSK	1	12	18.96	19.01	18.62	20	0	
5	QPSK	1	24	18.87	18.76	18.94			
5	QPSK	12	0	18.78	18.97	18.64			
5	QPSK	12	7	18.70	18.90	18.84			
5	QPSK	12	13	18.81	18.90	18.83			
5	QPSK	25	0	18.83	18.90	18.97	20	0	
5	16QAM	1	0	18.99	18.98	18.79			
5	16QAM	1	12	18.95	19.08	18.71			
5	16QAM	1	24	18.79	19.06	18.95			
5	16QAM	12	0	18.71	18.88	18.74			
5	16QAM	12	7	18.83	18.94	19.02	20	0	
5	16QAM	12	13	18.79	18.71	18.84			
5	16QAM	25	0	19.00	18.76	19.03			
5	64QAM	1	0	18.72	18.69	18.85			
5	64QAM	1	12	18.56	18.88	18.80			
5	64QAM	1	24	18.73	18.72	18.60	20	0	
5	64QAM	12	0	18.86	18.76	18.85			
5	64QAM	12	7	18.86	18.81	18.69			
5	64QAM	12	13	18.87	18.78	19.02			
5	64QAM	25	0	18.94	18.95	18.68			
Channel				131887	132322	132657	20		MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.98	19.05	18.81	20	0	
3	QPSK	1	8	18.84	19.00	18.59			
3	QPSK	1	14	18.87	18.75	18.86			
3	QPSK	8	0	18.74	18.92	18.58			
3	QPSK	8	4	18.76	18.95	18.72			
3	QPSK	8	7	18.90	19.00	18.80	20	0	
3	QPSK	15	0	18.83	18.90	18.89			
3	16QAM	1	0	19.00	19.06	18.90			
3	16QAM	1	8	18.90	19.12	18.66			
3	16QAM	1	14	18.87	19.10	18.93			
3	16QAM	8	0	18.68	18.87	18.73	20	0	
3	16QAM	8	4	18.78	18.95	19.02			
3	16QAM	8	7	18.66	18.70	18.76			
3	16QAM	15	0	18.90	18.82	18.93			
3	64QAM	1	0	18.75	18.68	18.71			
3	64QAM	1	8	18.63	18.82	18.71	20	0	
3	64QAM	1	14	18.61	18.85	18.54			
3	64QAM	8	0	18.86	18.76	18.78			
3	64QAM	8	4	18.94	18.69	18.70			
3	64QAM	8	7	18.85	18.86	18.92			
3	64QAM	15	0	18.84	18.87	18.82	20		
Channel				131879	132322	132669			
Frequency (MHz)				1710.7	1745	1779.3	20		MPR (dB)
1.4	QPSK	1	0	18.98	19.09	18.83			
1.4	QPSK	1	3	18.87	19.04	18.63	20	0	
1.4	QPSK	1	5	18.87	18.76	18.63			
1.4	QPSK	3	0	18.82	18.94	18.58			
1.4	QPSK	3	1	18.81	18.98	18.62			
1.4	QPSK	3	3	18.84	18.90	18.80			
1.4	QPSK	6	0	18.92	18.97	18.93	20	0	
1.4	16QAM	1	0	19.03	19.07	18.87			
1.4	16QAM	1	3	18.83	19.11	18.70			
1.4	16QAM	1	5	18.83	19.08	18.99			
1.4	16QAM	3	0	18.82	18.88	18.83			
1.4	16QAM	3	1	18.84	18.95	19.02	20	0	
1.4	16QAM	3	3	18.72	18.87	18.72			
1.4	16QAM	6	0	18.86	18.75	18.99	20	0	
1.4	64QAM	1	0	18.66	18.80	18.80			
1.4	64QAM	1	3	18.64	18.82	18.72			
1.4	64QAM	1	5	18.67	18.73	18.55			
1.4	64QAM	3	0	18.81	18.86	18.82			
1.4	64QAM	3	1	18.94	19.00	18.82	20	0	
1.4	64QAM	3	3	18.94	18.87	19.02			
1.4	64QAM	6	0	18.95	18.83	18.81	20	0	



ECI7 Power for Other PA

Band 2 Ant4										
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				18700	18800	19100				
Frequency (MHz)				18660	18800	19000				
20	QPSK	1	0	13.30	13.51	13.32	14.5	0		
20	QPSK	1	49	13.24	13.42	13.03				
20	QPSK	1	99	13.41	13.19	13.24				
20	QPSK	50	0	13.22	13.30	13.16				
20	QPSK	50	24	13.13	13.22	13.08	14.5	0		
20	QPSK	50	50	13.18	13.27	13.18				
20	QPSK	100	0	13.32	13.31	13.23				
20	16QAM	1	0	13.27	13.48	13.29				
20	16QAM	1	49	13.39	13.27	13.27	14.5	0		
20	16QAM	1	99	13.24	13.50	13.39				
20	16QAM	50	0	13.16	13.34	13.06				
20	16QAM	50	24	13.26	13.33	13.30				
20	16QAM	50	50	13.18	13.07	13.26	14.5	0		
20	16QAM	100	0	13.32	13.22	13.31				
20	64QAM	1	0	13.06	13.14	13.27				
20	64QAM	1	49	13.07	13.29	13.09				
20	64QAM	1	99	13.23	13.29	13.16	14.5	0		
20	64QAM	50	0	13.34	13.25	13.17				
20	64QAM	50	24	13.32	13.16	13.00				
20	64QAM	50	50	13.15	13.20	13.32				
20	64QAM	100	0	13.25	13.11	13.14	14.5	0		
Channel				18675	18900	19125				
Frequency (MHz)				1867.5	18800	1902.5				
15	QPSK	1	0	13.14	13.37	13.18	14.5	0		
15	QPSK	1	37	13.06	13.26	12.87				
15	QPSK	1	74	13.25	13.01	13.02				
15	QPSK	36	0	13.08	13.19	12.96				
15	QPSK	36	20	12.98	12.99	12.90	14.5	0		
15	QPSK	36	39	12.93	13.04	12.98				
15	QPSK	75	0	13.20	13.17	13.10				
15	16QAM	1	0	13.11	13.37	13.10				
15	16QAM	1	37	13.16	13.14	13.10	14.5	0		
15	16QAM	1	74	13.07	13.25	13.24				
15	16QAM	36	0	12.94	13.14	12.94				
15	16QAM	36	20	13.01	13.20	13.09				
15	16QAM	36	39	12.98	12.84	13.11	14.5	0		
15	16QAM	75	0	13.17	13.11	13.17				
15	64QAM	1	0	12.86	12.98	13.16				
15	64QAM	1	37	12.87	13.10	12.98				
15	64QAM	1	74	13.00	13.14	12.96	14.5	0		
15	64QAM	36	0	13.17	13.14	13.02				
15	64QAM	36	20	13.19	13.05	12.76				
15	64QAM	36	39	13.00	13.08	13.12				
15	64QAM	75	0	13.01	12.87	12.95	14.5	0		
Channel				18650	18900	19150				
Frequency (MHz)				18550	18800	19050				
10	QPSK	1	0	13.12	13.27	13.17	14.5	0		
10	QPSK	1	25	13.09	13.20	12.82				
10	QPSK	1	49	13.29	13.02	13.12				
10	QPSK	25	0	13.05	13.15	12.91				
10	QPSK	25	12	12.94	13.04	12.88	14.5	0		
10	QPSK	25	25	13.07	13.17	12.97				
10	QPSK	50	0	13.08	13.10	13.11				
10	16QAM	1	0	13.14	13.32	13.08				
10	16QAM	1	25	13.25	13.04	13.05	14.5	0		
10	16QAM	1	49	13.01	13.28	13.20				
10	16QAM	25	0	12.97	13.10	12.93				
10	16QAM	25	12	13.13	13.15	13.16				
10	16QAM	25	25	12.94	12.94	13.03	14.5	0		
10	16QAM	50	0	13.20	13.02	13.15				
10	64QAM	1	0	12.87	13.01	13.13				
10	64QAM	1	25	12.83	13.08	12.96				
10	64QAM	1	49	13.02	13.07	13.04	14.5	0		
10	64QAM	25	0	13.09	13.12	13.04				
10	64QAM	25	12	13.11	13.00	12.90				
10	64QAM	25	25	12.97	13.05	13.20				
10	64QAM	50	0	13.01	12.94	13.00	14.5	0		
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	18800	1907.5				
5	QPSK	1	0	13.09	13.36	13.20	14.5	0		
5	QPSK	1	12	13.12	13.23	12.91				
5	QPSK	1	24	13.17	13.09	13.13				
5	QPSK	12	0	13.03	13.14	13.00				
5	QPSK	12	7	13.01	13.06	12.95	14.5	0		
5	QPSK	12	13	13.06	13.03	12.97				
5	QPSK	25	0	13.18	13.19	13.11				
5	16QAM	1	0	13.16	13.27	13.06				
5	16QAM	1	12	13.22	13.05	13.03	14.5	0		
5	16QAM	1	24	13.07	13.32	13.16				
5	16QAM	12	0	13.02	13.12	12.94				
5	16QAM	12	7	13.02	13.22	13.17				
5	16QAM	12	13	13.00	12.96	13.08	14.5	0		
5	16QAM	25	0	13.09	13.06	13.19				
5	64QAM	1	0	12.96	12.98	13.15				
5	64QAM	1	12	12.87	13.18	12.86				
5	64QAM	1	24	13.07	13.18	13.05	14.5	0		
5	64QAM	12	0	13.22	13.13	13.04				
5	64QAM	12	7	13.16	13.01	12.82				
5	64QAM	12	13	13.01	13.03	13.15				
5	64QAM	25	0	13.06	12.89	12.93	14.5	0		
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	18800	1908.5				
3	QPSK	1	0	13.16	13.30	13.18	14.5	0		
3	QPSK	1	8	13.10	13.20	12.93				
3	QPSK	1	14	13.24	13.08	13.10				
3	QPSK	8	0	12.97	13.10	12.98				
3	QPSK	8	4	12.99	13.07	12.84	14.5	0		
3	QPSK	8	7	13.09	13.03	12.96				
3	QPSK	15	0	13.12	13.11	13.08				
3	16QAM	1	0	13.15	13.37	13.08				
3	16QAM	1	8	13.17	13.13	13.09	14.5	0		
3	16QAM	1	14	13.04	13.31	13.28				
3	16QAM	8	0	13.01	13.23	12.91				
3	16QAM	8	4	13.15	13.16	13.12				
3	16QAM	8	7	13.05	12.94	13.07	14.5	0		
3	16QAM	15	0	13.13	13.04	13.15				
3	64QAM	1	0	12.99	12.91	13.14				
3	64QAM	1	8	12.83	13.18	12.91				
3	64QAM	1	14	13.10	13.11	13.00	14.5	0		
3	64QAM	8	0	13.18	13.14	12.93				
3	64QAM	8	4	13.20	12.97	12.85				
3	64QAM	8	7	12.93	12.96	13.20				
3	64QAM	15	0	13.02	12.94	12.99	14.5	0		
Channel				18507	18800	19093				
Frequency (MHz)				1850.7	18800	19093.3				
1.4	QPSK	1	0	13.18	13.29	13.16	14.5	0		
1.4	QPSK	1	3	12.99	13.31	12.85				
1.4	QPSK	1	5	13.29	13.04	13.02				
1.4	QPSK	3	0	12.99	13.17	12.99				
1.4	QPSK	3	1	12.95	13.07	12.89	14.5	0		
1.4	QPSK	3	3	13.02	13.16	13.00				
1.4	QPSK	6	0	13.13	13.12	13.10				
1.4	16QAM	1	0	13.08	13.30	13.06				
1.4	16QAM	1	3	13.29	13.13	13.10	14.5	0		
1.4	16QAM	1	5	13.04	13.26	13.18				
1.4	16QAM	3	0	12.98	13.21	12.91				
1.4	16QAM	3	1	13.01	13.16	13.12				
1.4	16QAM	3	3	12.95	12.84	13.15	14.5	0		
1.4	16QAM	6	0	13.17	13.04	13.09				
1.4	64QAM	1	0	12.85	12.92	13.16				
1.4	64QAM	1	3	12.96	13.13	12.99				
1.4	64QAM	1	5	12.99	13.10	12.96	14.5	0		
1.4	64QAM	3	0	13.13	13.16	13.04				
1.4	64QAM	3	3	13.08	12.98	12.81				
1.4	64QAM	3	3	12.92	12.96	13.20				
1.4	64QAM	6	0	13.10	12.90	12.93	14.5	0		

Band 66 Ant0									
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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.59	14.69	14.39	15.5	0	
20	QPSK	1	49	14.49	14.57	14.19			
20	QPSK	1	99	14.45	14.37	14.48			
20	QPSK	50	0	14.34	14.54	14.21			
20	QPSK	50	24	14.33	14.48	14.37			
20	QPSK	50	50	14.43	14.53	14.41	15.5	0	
20	QPSK	100	0	14.45	14.49	14.51			
20	16QAM	1	0	14.54	14.58	14.43			
20	16QAM	1	49	14.47	14.66	14.26			
20	16QAM	1	99	14.41	14.64	14.57			
20	16QAM	50	0	14.24	14.51	14.34	15.5	0	
20	16QAM	50	24	14.35	14.58	14.54			
20	16QAM	50	50	14.31	14.30	14.36			
20	16QAM	100	0	14.51	14.38	14.55			
20	64QAM	1	0	14.27	14.33	14.36			
20	64QAM	1	49	14.20	14.38	14.32	15.5	0	
20	64QAM	1	99	14.25	14.36	14.17			
20	64QAM	50	0	14.42	14.31	14.37			
20	64QAM	50	24	14.46	14.33	14.26			
20	64QAM	50	50	14.48	14.42	14.52			
20	64QAM	100	0	14.45	14.46	14.33		Tune-up limit (dBm)	MPR (dB)
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	14.32	14.44	14.24	15.5	0	
15	QPSK	1	37	14.36	14.29	14.07			
15	QPSK	1	74	14.26	14.21	14.13			
15	QPSK	36	0	14.17	14.27	14.07			
15	QPSK	36	20	14.14	14.20	14.09			
15	QPSK	36	39	14.14	14.33	14.18	15.5	0	
15	QPSK	75	0	14.30	14.26	14.23			
15	16QAM	1	0	14.35	14.37	14.29			
15	16QAM	1	37	14.22	14.35	14.13			
15	16QAM	1	74	14.13	14.37	14.36			
15	16QAM	36	0	14.05	14.42	14.15	15.5	0	
15	16QAM	36	20	14.23	14.48	14.41			
15	16QAM	36	39	14.12	14.11	14.26			
15	16QAM	75	0	14.19	14.25	14.27			
15	64QAM	1	0	14.10	14.09	14.23			
15	64QAM	1	37	14.00	14.11	14.18	15.5	0	
15	64QAM	1	74	14.10	14.11	13.98			
15	64QAM	36	0	14.25	14.12	14.19			
15	64QAM	36	20	14.21	14.13	14.10			
15	64QAM	36	39	14.29	14.19	14.26			
15	64QAM	75	0	14.12	14.24	14.11		Tune-up limit (dBm)	MPR (dB)
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	14.37	14.48	14.29	15.5	0	
10	QPSK	1	25	14.31	14.32	14.01			
10	QPSK	1	49	14.37	14.17	14.23			
10	QPSK	25	0	14.18	14.24	14.06			
10	QPSK	25	12	14.14	14.17	14.12			
10	QPSK	25	25	14.24	14.20	14.19	15.5	0	
10	QPSK	50	0	14.25	14.33	14.30			
10	16QAM	1	0	14.37	14.36	14.27			
10	16QAM	1	25	14.30	14.40	14.07			
10	16QAM	1	49	14.17	14.35	14.41			
10	16QAM	25	0	14.09	14.32	14.19	15.5	0	
10	16QAM	25	12	14.26	14.42	14.37			
10	16QAM	25	25	14.18	14.25	14.27			
10	16QAM	50	0	14.30	14.27	14.38			
10	64QAM	1	0	14.04	14.22	14.21			
10	64QAM	1	25	14.06	14.21	14.07	15.5	0	
10	64QAM	1	49	14.03	14.08	13.96			
10	64QAM	25	0	14.26	14.10	14.24			
10	64QAM	25	12	14.22	14.16	14.07			
10	64QAM	25	25	14.21	14.16	14.29			
10	64QAM	50	0	14.16	14.14	14.08		Tune-up limit (dBm)	MPR (dB)
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	14.38	14.46	14.30	15.5	0	
5	QPSK	1	12	14.33	14.28	14.04			
5	QPSK	1	24	14.38	14.26	14.26			
5	QPSK	12	0	14.27	14.24	14.05			
5	QPSK	12	7	14.23	14.25	14.14			
5	QPSK	12	13	14.29	14.29	14.18	15.5	0	
5	QPSK	25	0	14.29	14.31	14.26			
5	16QAM	1	0	14.23	14.42	14.23			
5	16QAM	1	12	14.32	14.36	14.10			
5	16QAM	1	24	14.25	14.33	14.39			
5	16QAM	12	0	14.04	14.39	14.21	15.5	0	
5	16QAM	12	7	14.28	14.38	14.33			
5	16QAM	12	13	14.12	14.23	14.27			
5	16QAM	25	0	14.22	14.16	14.30			
5	64QAM	1	0	14.12	14.09	14.11			
5	64QAM	1	12	13.99	14.18	14.16	15.5	0	
5	64QAM	1	24	14.12	14.12	13.94			
5	64QAM	12	0	14.20	14.12	14.23			
5	64QAM	12	7	14.21	14.13	14.04			
5	64QAM	12	13	14.16	14.21	14.19			
5	64QAM	25	0	14.14	14.20	14.13		Tune-up limit (dBm)	MPR (dB)
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	14.25	14.50	14.30	15.5	0	
3	QPSK	1	8	14.39	14.39	14.02			
3	QPSK	1	14	14.35	14.31	14.15			
3	QPSK	8	0	14.21	14.34	14.03			
3	QPSK	8	4	14.28	14.25	14.15			
3	QPSK	8	7	14.17	14.31	14.18	15.5	0	
3	QPSK	15	0	14.20	14.36	14.25			
3	16QAM	1	0	14.32	14.32	14.27			
3	16QAM	1	8	14.27	14.33	14.15			
3	16QAM	1	14	14.13	14.40	14.38			
3	16QAM	8	0	14.01	14.33	14.08	15.5	0	
3	16QAM	8	4	14.24	14.43	14.29			
3	16QAM	8	7	14.13	14.20	14.17			
3	16QAM	15	0	14.19	14.16	14.40			
3	64QAM	1	0	14.03	14.22	14.23			
3	64QAM	1	8	14.01	14.24	14.08	15.5	0	
3	64QAM	1	14	14.10	14.16	13.93			
3	64QAM	8	0	14.32	14.14	14.29			
3	64QAM	8	4	14.26	14.14	14.14			
3	64QAM	8	7	14.29	14.17	14.28			
3	64QAM	15	0	14.15	14.17	14.13		Tune-up limit (dBm)	MPR (dB)
Channel				131973	132322	132669			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	14.25	14.41	14.22	15.5	0	
1.4	QPSK	1	3	14.33	14.28	14.01			
1.4	QPSK	1	5	14.26	14.26	14.27			
1.4	QPSK	3	0	14.24	14.33	14.10			
1.4	QPSK	3	1	14.24	14.19	14.09			
1.4	QPSK	3	3	14.29	14.24	14.14	15.5	0	
1.4	QPSK	6	0	14.26	14.26	14.25			
1.4	16QAM	1	0	14.35	14.31	14.25			
1.4	16QAM	1	3	14.23	14.39	14.08			
1.4	16QAM	1	5	14.14	14.38	14.50			
1.4	16QAM	3	0	14.00	14.42	14.16	15.5	0	
1.4	16QAM	3	1	14.16	14.49	14.38			
1.4	16QAM	3	3	14.25	14.11	14.25			
1.4	16QAM	6	0	14.19	14.26	14.26			
1.4	64QAM	1	0	14.08	14.17	14.24			
1.4	64QAM	1	3	13.99	14.24	14.19	15.5	0	
1.4	64QAM	1	5	14.06	14.04	13.97			
1.4	64QAM	3	0	14.30	14.09	14.20			
1.4	64QAM	3	1	14.18	14.17	14.08			
1.4	64QAM	3	3	14.24	14.23	14.28			
1.4	64QAM	6	0	14.16	14.12	14.10		Tune-up limit (dBm)	MPR (dB)

2CA DL

CA List	PCC									SCC				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq.	Channel		RB	RB		Offset	Band	(MHz)	Freq.		Channel	Tx. Power	Tx. Power
				(MHz)									(dBm)		(dBm)		
	CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790	4xMIMO	22.22	22.39
Band 4		Ant4	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790	4xMIMO	20.66	20.82	
Band 17		Ant0	10M	710	23790	QPSK	1	0	4xMIMO	Band 4	10M	2132.5	2175	4xMIMO	22.56	22.69	
Band 17		Ant4	10M	710	23790	QPSK	1	0	4xMIMO	Band 4	10M	2132.5	2175	4xMIMO	22.40	22.49	
CA_4A-48A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	22.18	22.39	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	20.71	20.82	
	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.41	22.51	
CA_7B	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2544.3	3193	4xMIMO	22.42	22.52	
CA_25A-41A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	22.64	22.79	
	Band 25	Ant4	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	21.11	21.27	
CA_26A-41A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	22.48	22.65	
	Band 26	Ant4	15M	831.5	26865	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	22.20	22.38	
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	22.39	22.59	
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	21.72	21.92	
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	19.52	19.62	
	Band 41	Ant7	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	20.25	20.44	

3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL Antenna Configuration	LTE	BW	DL	DL Antenna Configuration	With CA	Without CA			
	Band	Ant	(MHz)	Freq (MHz)		RB	RB Offset	Band	(MHz)	Freq (MHz)	Channel	Band	(MHz)	Freq (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)				
CA_2A-4A-13A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230	4xMIMO	22.86	22.77	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 13	10M	751	5230	Band 2	20M	1960	900	4xMIMO	22.16	22.36	
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 13	10M	751	5230	Band 2	20M	1960	900	4xMIMO	20.70	20.82	
	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.59	22.76
CA_2A-4A-30A	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.21	22.31
	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.81	22.77	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.22	22.36
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	20.89	20.82
CA_2A-5A-30A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.15	22.34
	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.81	22.77	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.48	22.62
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.16	22.33
CA_2A-5A-48A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.20	22.34
	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 48	20M	3609	55830	4xMIMO	22.57	22.77	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.49	22.62
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.34	22.33
CA_2A-7A-12A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.58	22.77	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	22.34	22.52
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.59	22.72
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.33	22.54
CA_2A-7A-13A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 13	10M	751	5230	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.62	22.77	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 13	10M	751	5230	4xMIMO	22.37	22.52
	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.56	22.76
	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.15	22.31
CA_2A-12A-30A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.62	22.77	
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.58	22.72
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.35	22.54
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	22.18	22.34
CA_2A-13A-48A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 13	10M	751	5230	4xMIMO	Band 48	20M	3609	55830	4xMIMO	22.86	22.77	
	Band 13	Ant0	10M	751	23230	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.63	22.75
	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.17	22.31
	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 14	10M	763	5330	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.64	22.77
CA_2A-14A-66A	Band 14	Ant0	10M	793	23330	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.77	22.86
	Band 14	Ant4	10M	793	23330	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.15	22.29
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 14	10M	763	5330	4xMIMO	22.34	22.46
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 14	10M	763	5330	4xMIMO	20.81	21.01
CA_2A-30A-66A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.67	22.77	
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.34	22.46
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.37	22.49
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 30	10M	2355	9820	4xMIMO	20.90	21.01
CA_2A-48A-48A	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	SA	3697.5	56715	4xMIMO	22.56	22.77	
	Band 2	Ant0	20M	1880	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	22.64	22.77	
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	22.63	22.72
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	22.44	22.54
CA_4A-4A-13A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 13	10M	751	5230	4xMIMO	22.30	22.36
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 13	10M	751	5230	4xMIMO	20.82	20.82
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 13	10M	751	5230	4xMIMO	22.22	22.36
	Band 13	Ant0	10M	751	23230	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 13	10M	751	5230	4xMIMO	20.73	20.82
CA_4A-4A-71A	Band 13	Ant4	10M	751	23230	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	22.65	22.75
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 71	20M	683	68786	4xMIMO	22.28	22.36
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 71	20M	683	68786	4xMIMO	20.84	20.82
	Band 71	Ant0	20M	683	133322	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 71	20M	683	68786	4xMIMO	22.45	22.62
CA_4A-5A-30A	Band 71	Ant4	20M	683	133322	QPSK	1	0	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	Band 4	SA	2152.5	2375	4xMIMO	22.39	22.54
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.30	22.36
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 30	10M	2355	9820	4xMIMO	20.89	20.82
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.48	22.62
CA_4A-7A-12A	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.20	22.33
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.23	22.34
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO							

4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power	
	LTE	BW	BW	UL	UL		UL/RB	UL	DL	DL	DL	LTE	BW	BW	UL	UL		UL/RB	UL	DL	DL	DL	LTE	BW	BW	UL	UL		UL/RB	UL	DL	DL	DL	With CA	Without CA							
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	LTE	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	LTE	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)											
CA_2A-2A-4A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 4	5M	1987.5	1175	4x4MMO	22.94	22.77											
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	22.23	22.39											
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	20.69	20.82											
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	22.86	22.77											
CA_2A-2A-4A-5A	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.29	22.39											
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.17	22.33											
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.22	22.33											
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	22.20	22.77											
CA_2A-2A-4A-12A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	22.23	22.39											
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.63	22.72											
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.35	22.54											
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 71	20M	637	68786	4x4MMO	22.26	22.77											
CA_2A-2A-4A-71A	Band 4	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 71	20M	637	68786	4x4MMO	Band 71	20M	637	68786	4x4MMO	22.23	22.39											
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 71	20M	637	68786	4x4MMO	Band 71	20M	637	68786	4x4MMO	20.71	20.82											
	Band 71	Ant0	20M	683	133322	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.46	22.62											
	Band 71	Ant4	20M	683	133322	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	22.36	22.54											
CA_2A-2A-5A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.82	22.77											
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.47	22.62											
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.20	22.33											
	Band 66	Ant4	20M	1745	133222	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	22.35	22.49											
CA_2A-2A-5B	Band 66	Ant4	20M	1745	133222	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	20.87	21.01											
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	886.7	2597	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 5	5M	886.7	2597	4x4MMO	Band 5	5M	886.7	2597	4x4MMO	22.87	22.77											
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	886.7	2597	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	22.41	22.62											
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 5	5M	886.7	2597	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.18	22.33											
CA_2A-2A-7A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.85	22.77											
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.37	22.52											
	Band 66	Ant4	20M	1745	133222	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2655	3100	4x4MMO	22.30	22.45											
	Band 66	Ant4	20M	1745	133222	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	5M	1987.5	1175	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2655	3100	4x4MMO	22.30	22.45											
CA_2A-4A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	22.23	22.39											
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	Band 5	10M	881.5	2525	4x4MMO	20.67	20.82											
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	22.53	22.62											
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	22.22	22.33											
CA_2A-4A-4A-12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	22.61	22.77											
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	20M	1960	900	4x4MMO	22.24	22.39											
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 12	10M	737.5	5095	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 2	20M	1960	900	4x4MMO	20.69	20.82											
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 2	20M	1960	900	4x4MMO	Band 4	20M	2132.5	2175</																								



CA_2A-7A-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 66	5M	2687.5	3425	4xMMQ	Band 66	20M	2155	66886	4xMMQ	22.66	22.77
	Band 7	An1	2040	2535	2110	GPSK	1	0	4xMMQ	Band 7	5M	2687.5	3425	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	5M	2687.5	3425	4xMMQ	Band 7	5M	2687.5	3425	4xMMQ	22.32	22.49
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	5M	2687.5	3425	4xMMQ	Band 7	5M	2687.5	3425	4xMMQ	20.86	21.01
CA_2A-7A-66A-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 7	An1	2040	2535	2110	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.32	22.52
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	22.32	22.49
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	20.81	21.01
CA_2A-7C-13A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	2554.8	3298	4xMMQ	Band 13	10M	751	5230	4xMMQ	22.64	22.77
	Band 7	An1	2040	2535	2110	GPSK	1	0	4xMMQ	Band 7	20M	2554.8	3298	4xMMQ	Band 13	10M	751	5230	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.42	22.52
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	254.8	3298	4xMMQ	22.64	22.75
	Band 13	An4	10M	782	2320	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	254.8	3298	4xMMQ	22.15	22.31
CA_2A-7C-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	2554.8	3298	4xMMQ	Band 66	20M	2155	66886	4xMMQ	22.66	22.77
	Band 7	An1	2040	2535	2110	GPSK	1	0	4xMMQ	Band 7	20M	2554.8	3298	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.42	22.52
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	254.8	3298	4xMMQ	22.32	22.49
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 7	20M	2655	3100	4xMMQ	Band 7	20M	254.8	3298	4xMMQ	20.84	21.01
CA_2A-12A-66A-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 12	An0	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 12	An4	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	22.26	22.32
CA_2A-12A-66C	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 12	An0	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 12	An4	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	22.26	22.32
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	22.26	22.32
CA_2A-12B-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 12	10M	737.5	5095	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 12	An0	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 12	5M	742.3	5143	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.61	22.72
	Band 12	An4	10M	707.5	23095	GPSK	1	0	4xMMQ	Band 12	5M	742.3	5143	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 12	5M	742.3	5143	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
CA_2A-13A-48C	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 13	10M	751	5230	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	20M	3628.8	56028	4xMMQ	20.87	21.01
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	48M	3628.8	56028	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 13	An4	10M	782	2320	GPSK	1	0	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	48M	3628.8	56028	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.17	22.31
	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 13	10M	751	5230	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.62	22.77
CA_2A-13A-66A-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.15	22.31
	Band 13	An4	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.15	22.31
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 13	10M	751	5230	4xMMQ	22.27	22.49
CA_2A-13A-66B	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 13	10M	751	5230	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 13	An4	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.15	22.31
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 13	10M	751	5230	4xMMQ	22.27	22.49
CA_2A-13A-66C	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 13	10M	751	5230	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
	Band 13	An4	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.16	22.31
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	22.26	22.32
CA_2A-48A-48C	Band 2	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	20M	2154.3	66894	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 13	10M	751	5230	4xMMQ	22.26	22.49
	Band 13	An0	10M	782	2320	GPSK	1	0	4xMMQ	Band 66	20M	2154.3	66894	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 13	10M	751	5230	4xMMQ	22.26	22.49
	Band 66	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	48M	3628.8	56028	4xMMQ	Band 48	20M	3609	56040	4xMMQ	22.27	22.77
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	48M	3628.8	56028	4xMMQ	Band 48	20M	3609	56040	4xMMQ	22.27	22.77
CA_2A-48A-66A-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 66	20M	2155	66886	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	Band 66	20M	2197.5	67311	4xMMQ	22.66	22.77
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 48	20M	3609	55830	4xMMQ	22.26	22.49
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 48	20M	3609	55830	4xMMQ	22.26	22.49
	Band 66	An4	2040	1745	12322	GPSK	1	0	4xMMQ	Band 66	5M	2197.5	67311	4xMMQ	Band 2	20M	1960	900	4xMMQ	Band 48	20M	3609	55830	4xMMQ	22.26	22.49
CA_2A-48C-66A	Band 2	An0	2040	1880	1890	GPSK	1	0	4xMMQ	Band 48	48M	3609	55830	4xMMQ	Band 48	48M	3628.8	56028	4xMMQ	Band 66	20M	2155	66886	4xMMQ	22.62	22.77
	Band 66	An0	2040	1745	12322	GPSK	1	0	4xMMQ																	

CA_5B-66A-66A	Band 5	An10	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.50	22.62
	Band 5	An14	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.12	22.33
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.40	22.49
	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		20.84	21.01
CA_5B-66B	Band 5	An10	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	15M	2155	66886	4x4MMO	Band 66	5M	2164.3	66979	4x4MMO	22.45	22.62
	Band 5	An14	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	15M	2155	66886	4x4MMO	Band 66	5M	2164.3	66979	4x4MMO	22.22	22.33
	Band 66	An10	15M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2154.3	66879	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.31	22.49
	Band 66	An14	15M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2154.3	66879	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		20.81	21.01
CA_5B-66C	Band 5	An10	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2174.8	67084	4x4MMO	22.42	22.62
	Band 5	An14	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2174.8	67084	4x4MMO	22.12	22.33
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	20M	2164.8	66984	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.29	22.49
	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	20M	2164.8	66984	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		20.81	21.01
CA_7A-7A-13A-66A	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MMO	22.39	22.52
	Band 13	An10	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	22.65	22.75
	Band 13	An14	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	22.13	22.31
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 13	10M	751	5230		22.39	22.49
CA_7A-7A-25A-66A	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 13	10M	751	5230		20.82	21.01
	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.32	22.52
	Band 25	An10	20M	1880	26340	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	22.64	22.79
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	21.10	21.27
CA_7A-7A-25A-25A	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	22.29	22.49
	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	20.84	21.01
	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 25	20M	1960	8340	4x4MMO	Band 25	20M	1960	8340	4x4MMO	22.37	22.52
	Band 25	An10	20M	1880	26340	QPSK	1	0	4x4MMO	Band 25	20M	1985	8590	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	22.68	22.79
CA_7A-25A-25A-66A	Band 25	An10	20M	1880	26340	QPSK	1	0	4x4MMO	Band 25	20M	1985	8590	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	21.08	21.27
	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 25	20M	1960	8340	4x4MMO	Band 25	20M	1985	8590	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.32	22.52
	Band 25	An10	20M	1880	26340	QPSK	1	0	4x4MMO	Band 25	20M	1985	8590	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.61	22.79
	Band 25	An14	20M	1880	26340	QPSK	1	0	4x4MMO	Band 25	20M	1985	8590	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 66	20M	2155	66886	4x4MMO	21.14	21.27
CA_7A-7A-66A-66A	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 25	20M	1960	8340	4x4MMO	Band 25	20M	1985	8590	4x4MMO	20.88	21.01
	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.37	22.52
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	22.31	22.49
	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	20.84	21.01
CA_7C-13A-66A	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MMO	22.35	22.52
	Band 13	An10	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	22.63	22.75
	Band 13	An14	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	22.16	22.31
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 13	10M	751	5230		Band 13	10M	751	5230		22.32	22.49
CA_7C-66A-66A	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 13	10M	751	5230		Band 13	10M	751	5230		20.88	21.01
	Band 7	An11	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.35	22.52
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	22.35	22.49
	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 7	20M	2655	3100	4x4MMO	Band 7	20M	2554.8	3298	4x4MMO	20.80	21.01
CA_12A-30A-66A-66A	Band 12	An10	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.56	22.72
	Band 12	An14	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.37	22.54
	Band 30	An11	10M	2310	27710	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		22.18	22.34
	Band 66	An10	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMO	22.29	22.49
CA_12B-66A-66A	Band 66	An14	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMO	20.89	21.01
	Band 12	An10	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	22.56	22.72
	Band 12	An14	5M	70																						

Uplink CA Power

CA_SB Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.53	24.00
20476	20575	QPSK	1	49	1	0	22.59	24.00
20600	20501	QPSK	1	0	1	49	22.42	24.00

CA_66B Ant0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.33	24.00
132322	132415	QPSK	1	74	1	0	22.41	24.00
132597	132504	QPSK	1	0	1	74	22.37	24.00

CA_66C Ant0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.36	24.00
132322	132520	QPSK	1	99	1	0	22.45	24.00
132572	132374	QPSK	1	0	1	99	22.38	24.00

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	22.33	24
39750	39948	QPSK	1	99	1	0	22.35	24
40185	40383	QPSK	1	99	1	0	22.45	24
40620	40818	QPSK	1	99	1	0	22.52	24
41055	41253	QPSK	1	99	1	0	22.48	24
41490	41292	QPSK	1	0	1	99	22.39	24

CA_41C HPUE Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	25.25	27
39750	39948	QPSK	1	99	1	0	25.21	27
40185	40383	QPSK	1	99	1	0	25.41	27
40620	40818	QPSK	1	99	1	0	25.43	27
41055	41253	QPSK	1	99	1	0	25.31	27
41490	41292	QPSK	1	0	1	99	25.27	27

CA_48B Ant5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.31	24
55820	55913	QPSK	1	74	1	0	22.39	24
56150	56243	QPSK	1	74	1	0	22.22	24
56665	56572	QPSK	1	0	1	74	22.33	24

CA_48C Ant5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.34	24
55830	56028	QPSK	1	99	1	0	22.48	24
56150	56348	QPSK	1	99	1	0	22.43	24
56640	56442	QPSK	1	0	1	99	22.37	24

Uplink CA Power

CA_5B Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.53	24.00
20476	20575	QPSK	1	49	1	0	22.59	24.00
20600	20501	QPSK	1	0	1	49	22.42	24.00

CA_66B Ant0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.33	24.00
132322	132415	QPSK	1	74	1	0	22.41	24.00
132597	132504	QPSK	1	0	1	74	22.37	24.00

CA_66C Ant0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.36	24.00
132322	132520	QPSK	1	99	1	0	22.45	24.00
132572	132374	QPSK	1	0	1	99	22.38	24.00

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	22.33	24
39750	39948	QPSK	1	99	1	0	22.35	24
40185	40383	QPSK	1	99	1	0	22.45	24
40620	40818	QPSK	1	99	1	0	22.52	24
41055	41253	QPSK	1	99	1	0	22.48	24
41490	41292	QPSK	1	0	1	99	22.39	24

CA_41C HPUE Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	25.25	27
39750	39948	QPSK	1	99	1	0	25.21	27
40185	40383	QPSK	1	99	1	0	25.41	27
40620	40818	QPSK	1	99	1	0	25.43	27
41055	41253	QPSK	1	99	1	0	25.31	27
41490	41292	QPSK	1	0	1	99	25.27	27

CA_48B Ant5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	15.53	17.5
55820	55913	QPSK	1	74	1	0	15.69	17.5
56150	56243	QPSK	1	74	1	0	15.64	17.5
56665	56572	QPSK	1	0	1	74	15.64	17.5

CA_48C Ant5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.69	18.5
55830	56028	QPSK	1	99	1	0	16.87	18.5
56150	56348	QPSK	1	99	1	0	16.79	18.5
56640	56442	QPSK	1	0	1	99	16.83	18.5

Uplink CA Power

CA_SB Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	20.85	22.50
20476	20575	QPSK	1	49	1	0	20.95	22.50
20600	20501	QPSK	1	0	1	49	20.92	22.50

CA_66B Ant0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.24	18.00
132322	132415	QPSK	1	74	1	0	16.39	18.00
132597	132504	QPSK	1	0	1	74	16.35	18.00

CA_66C Ant0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.36	18.00
132322	132520	QPSK	1	99	1	0	16.48	18.00
132572	132374	QPSK	1	0	1	99	16.38	18.00

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	19.43	21
39750	39948	QPSK	1	99	1	0	19.35	21
40185	40383	QPSK	1	99	1	0	19.45	21
40620	40818	QPSK	1	99	1	0	19.52	21
41055	41253	QPSK	1	99	1	0	19.48	21
41490	41292	QPSK	1	0	1	99	19.39	21

CA_41C HPUE Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	22.36	24
39750	39948	QPSK	1	99	1	0	22.21	24
40185	40383	QPSK	1	99	1	0	22.41	24
40620	40818	QPSK	1	99	1	0	22.43	24
41055	41253	QPSK	1	99	1	0	22.31	24
41490	41292	QPSK	1	0	1	99	22.27	24

CA_48B Ant5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	14.63	16.5
55820	55913	QPSK	1	74	1	0	14.79	16.5
56150	56243	QPSK	1	74	1	0	14.72	16.5
56665	56572	QPSK	1	0	1	74	14.74	16.5

CA_48C Ant5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	14.69	16.5
55830	56028	QPSK	1	99	1	0	14.87	16.5
56150	56348	QPSK	1	99	1	0	14.83	16.5
56640	56442	QPSK	1	0	1	99	14.83	16.5

Uplink CA Power

CA_SB Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	20.35	22.00
20476	20575	QPSK	1	49	1	0	20.41	22.00
20600	20501	QPSK	1	0	1	49	20.38	22.00

CA_66B Ant0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	14.80	16.50
132322	132415	QPSK	1	74	1	0	14.95	16.50
132597	132504	QPSK	1	0	1	74	14.91	16.50

CA_66C Ant0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	14.92	16.50
132322	132520	QPSK	1	99	1	0	15.04	16.50
132572	132374	QPSK	1	0	1	99	14.94	16.50

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	18.29	20
39750	39948	QPSK	1	99	1	0	18.20	20
40185	40383	QPSK	1	99	1	0	18.30	20
40620	40818	QPSK	1	99	1	0	18.37	20
41055	41253	QPSK	1	99	1	0	18.33	20
41490	41292	QPSK	1	0	1	99	18.24	20

CA_41C HPUE Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	21.16	23
39750	39948	QPSK	1	99	1	0	21.06	23
40185	40383	QPSK	1	99	1	0	21.26	23
40620	40818	QPSK	1	99	1	0	21.28	23
41055	41253	QPSK	1	99	1	0	21.16	23
41490	41292	QPSK	1	0	1	99	21.12	23

CA_48B Ant5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	13.19	15
55820	55913	QPSK	1	74	1	0	13.35	15
56150	56243	QPSK	1	74	1	0	13.34	15
56665	56572	QPSK	1	0	1	74	13.30	15

CA_48C Ant5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	13.39	15
55830	56028	QPSK	1	99	1	0	13.57	15
56150	56348	QPSK	1	99	1	0	13.52	15
56640	56442	QPSK	1	0	1	99	13.53	15

Uplink CA Power

CA_SB Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.35	23.00
20476	20575	QPSK	1	49	1	0	21.45	23.00
20600	20501	QPSK	1	0	1	49	21.38	23.00

CA_66B Ant0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.38	21.00
132322	132415	QPSK	1	74	1	0	19.51	21.00
132597	132504	QPSK	1	0	1	74	19.49	21.00

CA_66C Ant0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.50	21.00
132322	132520	QPSK	1	99	1	0	19.69	21.00
132572	132374	QPSK	1	0	1	99	19.52	21.00

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	20.89	22.5
39750	39948	QPSK	1	99	1	0	20.76	22.5
40185	40383	QPSK	1	99	1	0	20.86	22.5
40620	40818	QPSK	1	99	1	0	20.93	22.5
41055	41253	QPSK	1	99	1	0	20.89	22.5
41490	41292	QPSK	1	0	1	99	20.80	22.5

CA_41C HPUE Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39790	39988	QPSK	1	99	1	0	23.68	25.5
39750	39948	QPSK	1	99	1	0	23.62	25.5
40185	40383	QPSK	1	99	1	0	23.82	25.5
40620	40818	QPSK	1	99	1	0	23.84	25.5
41055	41253	QPSK	1	99	1	0	23.72	25.5
41490	41292	QPSK	1	0	1	99	23.68	25.5

CA_48B Ant5								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.31	22
55820	55913	QPSK	1	74	1	0	20.47	22
56150	56243	QPSK	1	74	1	0	20.43	22
56665	56572	QPSK	1	0	1	74	20.42	22

CA_48C Ant5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.53	22
55830	56028	QPSK	1	99	1	0	20.71	22
56150	56348	QPSK	1	99	1	0	20.59	22
56640	56442	QPSK	1	0	1	99	20.67	22

n41 Ant2 PC3&PC2

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	518998	526000	24.0	0.0
Frequency (MHz)				2568.02	2569.99	2569.99		
100	PI2 BPSK	1	1	22.16	22.27	22.10	24.0	0.0
100	PI2 BPSK	1	137	23.35	23.51	23.29		
100	PI2 BPSK	1	271	22.23	22.30	22.27	24.0	0.0
100	PI2 BPSK	135	0	23.33	23.34	23.31		
100	PI2 BPSK	135	69	23.28	23.36	23.27	24.0	0.0
100	PI2 BPSK	135	138	23.22	23.35	23.23		
100	PI2 BPSK	270	0	23.31	23.40	23.18	24.0	0.0
100	QPSK	1	1	21.97	22.34	22.72		
100	QPSK	1	137	23.30	23.53	23.13	24.0	0.0
100	QPSK	1	271	22.26	22.20	22.19		
100	QPSK	135	0	23.19	23.46	23.10	24.0	0.0
100	QPSK	135	69	23.31	23.47	23.30		
100	QPSK	135	138	23.09	23.22	23.19	24.0	0.0
100	QPSK	270	0	23.05	23.36	23.09		
100	16QAM	1	1	22.06	22.17	22.04	24.0	0.0
100	16QAM	1	1	22.35	22.07	22.02		
100	256QAM	1	1	21.12	21.31	21.19	22.5	1.5
Channel				508000	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.13	23.45	23.10	24.0	0.0
Channel				507004	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	23.23	23.38	23.06	24.0	0.0
Channel				505200	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2522.02	2562.99	2658.99	(dBm)	(dB)
70	QPSK	1	1	23.18	23.39	23.13	24.0	0.0
Channel				505000	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2667.99	(dBm)	(dB)
60	QPSK	1	1	23.15	23.50	23.08	24.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	23.25	23.46	23.15	24.0	0.0
Channel				503200	518998	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2562.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.21	23.42	23.12	24.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	23.23	23.38	23.07	24.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	23.21	23.39	23.14	24.0	0.0
Channel				500700	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	23.24	23.38	23.11	24.0	0.0
Channel				500200	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2562.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.15	23.43	23.10	24.0	0.0

Part270 n77 Ant2 PC3&PC2

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				650000	650000	650000	16.5	0.0
Frequency (MHz)				3700	3840	3960		
100	PI2 BPSK	1	1	14.84	14.93	14.83	16.5	0.0
100	PI2 BPSK	1	137	15.65	15.78	15.70		
100	PI2 BPSK	1	271	14.76	14.73	14.70	16.5	0.0
100	PI2 BPSK	135	0	15.53	15.71	15.67		
100	PI2 BPSK	135	69	15.77	15.76	15.71	16.5	0.0
100	PI2 BPSK	135	138	15.54	15.56	15.48		
100	PI2 BPSK	270	0	15.53	15.68	15.59	16.5	0.0
100	QPSK	1	1	15.03	15.05	14.77		
100	QPSK	1	137	15.77	15.84	15.80	16.5	0.0
100	QPSK	1	271	14.74	14.82	14.75		
100	QPSK	135	0	15.65	15.73	15.61	16.5	0.0
100	QPSK	135	69	15.70	15.62	15.76		
100	QPSK	135	138	15.56	15.68	15.56	16.5	0.0
100	QPSK	270	0	15.67	15.76	15.54		
100	16QAM	1	1	14.64	14.75	14.71	16.5	0.0
100	16QAM	1	1	14.62	14.66	14.61		
100	256QAM	1	1	14.78	14.82	14.73	16.5	0.0
Channel				646968	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	15.57	15.66	15.55	16.5	0.0
Channel				646334	650000	660968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.59	15.65	15.57	16.5	0.0
Channel				646000	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	15.58	15.63	15.56	16.5	0.0
Channel				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3840	3948.01	(dBm)	(dB)
60	QPSK	1	1	15.57	15.64	15.56	16.5	0.0
Channel				646334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	15.57	15.63	15.56	16.5	0.0
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	15.59	15.65	15.57	16.5	0.0
Channel				645668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.02	3840	3963.01	(dBm)	(dB)
30	QPSK	1	1	15.59	15.64	15.56	16.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	15.58	15.66	15.54	16.5	0.0
Channel				647168	650000	664934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	15.58	15.67	15.57	16.5	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	15.56	15.65	15.56	16.5	0.0

Part27Q n77 Ant2 PC3&PC2

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				630000		633334	16.5	0.0
Frequency (MHz)				3500.01		3500.01		
100	PI2 BPSK	1	1	14.65		14.65	16.5	0.0
100	PI2 BPSK	1	137	15.61		15.61		
100	PI2 BPSK	1	271	15.14		15.14	16.5	0.0
100	PI2 BPSK	135	0	15.44		15.44		
100	PI2 BPSK	135	69	15.56		15.56	16.5	0.0
100	PI2 BPSK	135	138	15.43		15.43		
100	PI2 BPSK	270	0	15.46		15.46	16.5	0.0
100	QPSK	1	1	14.99		14.99		
100	QPSK	1	137	15.69		15.69	16.5	0.0
100	QPSK	1	271	15.13		15.13		
100	QPSK	135	0	15.40		15.40	16.5	0.0
100	QPSK	135	69	15.63		15.63		
100	QPSK	135	138	15.51		15.51	16.5	0.0
100	QPSK	270	0	15.58		15.58		
100	16QAM	1	1	14.66		14.66	16.5	0.0
100	16QAM	1	1	14.35		14.35		
100	256QAM	1	1	14.54		14.54	16.5	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.61	15.64	15.60	16.5	0.0
Channel				630998	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.60	15.62	15.58	16.5	0.0
Channel				632234	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.62	15.62	15.59	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.60	15.63	15.58	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.61	15.62	15.59	16.5	0.0
Channel				631325	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.62	15.64	15.61	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545	(dBm)	(dB)
30	QPSK	1	1	15.60	15.60	15.58	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.61	15.63	15.60	16.5	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.03	3500.01	3542.82	(dBm)	(dB)
15	QPSK	1	1	15.59	15.63	15.67	16.5	0.0
Channel				630078	633334	636584	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	3500.01	3549.01	(dBm)	(dB)
10	QPSK	1	1	15.61	15.61	15.60	16.5	0.0



Part270 n78 Ant2 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				650000	3790	650000			
Frequency (MHz)									
100	PI2 BPSK	1	1		14.65				
100	PI2 BPSK	1	137		15.51		16.5	0.0	
100	PI2 BPSK	1	271		14.63				
100	PI2 BPSK	135	0		15.30		16.5	0.0	
100	PI2 BPSK	135	69		15.46		16.5	0.0	
100	PI2 BPSK	135	138		15.35		16.5	0.0	
100	PI2 BPSK	270	0		15.50				
100	QPSK	1	1		14.55				
100	QPSK	1	137		15.00		16.5	0.0	
100	QPSK	1	271		14.54				
100	QPSK	135	0		15.41		16.5	0.0	
100	QPSK	135	69		15.45		16.5	0.0	
100	QPSK	135	138		15.43		16.5	0.0	
100	QPSK	270	0		15.43				
100	16QAM	1	1		14.58		16.5	0.0	
100	64QAM	1	1		14.67		16.5	0.0	
100	256QAM	1	1		14.56		16.5	0.0	
Channel				646968	650000	650334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3790	3795.01			
90	QPSK	1	1		15.39	15.39	16.5	0.0	
Channel				649334	650000	650668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3790	3760.02			
80	QPSK	1	1		15.41	15.41	15.35	16.5	
Channel				649060	650000	651000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3735	3790	3795			
70	QPSK	1	1		15.41	15.42	15.35	16.5	
Channel				648968	650000	651334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3729.02	3790	3793.01			
60	QPSK	1	1		15.37	15.33	15.34	16.5	
Channel				648334	650000	651668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3790	3775.02			
50	QPSK	1	1		15.40	15.39	15.37	16.5	
Channel				645000	650000	652000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3720	3790	3780			
40	QPSK	1	1		15.39	15.40	15.35	16.5	
Channel				647668	650000	652334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3719.02	3790	3781.01			
30	QPSK	1	1		15.38	15.40	15.35	16.5	
Channel				647334	650000	652668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3715.01	3790	3790.02			
20	QPSK	1	1		15.39	15.39	15.36	16.5	
Channel				647168	650000	652834	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3790	3762.61			
15	QPSK	1	1		15.38	15.42	15.38	16.5	
Channel				647000	650000	653000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3705	3790	3795			
10	QPSK	1	1		15.39	15.40	15.38	16.5	

Part27Q n78 Ant2 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		14.16				
100	PI2 BPSK	1	137		15.33		16.5	0.0	
100	PI2 BPSK	1	271		15.06				
100	PI2 BPSK	135	0		14.59		16.5	0.0	
100	PI2 BPSK	135	69		15.12		16.5	0.0	
100	PI2 BPSK	135	138		15.09		16.5	0.0	
100	PI2 BPSK	270	0		15.20				
100	QPSK	1	1		14.24				
100	QPSK	1	137		15.43		16.5	0.0	
100	QPSK	1	271		15.07				
100	QPSK	135	0		14.73		16.5	0.0	
100	QPSK	135	69		15.17		16.5	0.0	
100	QPSK	135	138		15.21		16.5	0.0	
100	QPSK	270	0		15.15				
100	16QAM	1	1		15.03		16.5	0.0	
100	64QAM	1	1		14.19		16.5	0.0	
100	256QAM	1	1		14.18		16.5	0.0	
Channel				633900	633334	633668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		15.22	15.25	15.24	16.5	
Channel				632568	633334	634000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		15.20	15.24	15.24	16.5	
Channel				632234	633334	634333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		15.19	15.27	15.23	16.5	
Channel				632000	633334	634668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		15.22	15.24	15.25	16.5	
Channel				631668	633334	635000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		15.20	15.26	15.24	16.5	
Channel				631334	633334	635333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		15.20	15.25	15.24	16.5	
Channel				631000	633334	635668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3536.02			
30	QPSK	1	1		15.23	15.25	15.23	16.5	
Channel				630668	633334	636000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		15.20	15.27	15.25	16.5	
Channel				630500	633334	636168	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		15.20	15.27	15.24	16.5	
Channel				630234	633334	636333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		15.20	15.26	15.24	16.5	

n41 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	23.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.64	20.71	20.57	23.0	0.0	
100	PI/2 BPSK	1	137	21.79	21.87	21.77			
100	PI/2 BPSK	1	271	20.81	20.85	20.78			
100	PI/2 BPSK	135	0	21.69	21.73	21.63			
100	PI/2 BPSK	135	69	21.68	21.80	21.73	23.0	0.0	
100	PI/2 BPSK	135	138	21.62	21.68	21.55	23.0	0.0	
100	PI/2 BPSK	270	0	21.66	21.74	21.62			
100	QPSK	1	1	20.11	20.75	20.67	23.0	0.0	
100	QPSK	1	137	21.64	21.93	21.77			
100	QPSK	1	271	20.83	20.92	20.85			
100	QPSK	135	0	21.74	21.80	21.73			
100	QPSK	135	69	21.56	21.85	21.73	23.0	0.0	
100	QPSK	135	138	21.66	21.71	21.56	23.0	0.0	
100	QPSK	270	0	21.51	21.78	21.64			
100	16QAM	1	1	20.57	20.64	20.52	23.0	0.0	
100	64QAM	1	1	20.52	20.57	20.48	23.0	0.0	
100	256QAM	1	1	19.69	19.73	19.70	21.5	1.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.0	0.0	
90	QPSK	1	1	21.54	21.80	21.62	23.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	23.0	0.0	
80	QPSK	1	1	21.50	21.81	21.63	23.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	23.0	0.0	
70	QPSK	1	1	21.51	21.88	21.68	23.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	23.0	0.0	
60	QPSK	1	1	21.54	21.83	21.70	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	23.0	0.0	
50	QPSK	1	1	21.60	21.79	21.62	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.0	0.0	
40	QPSK	1	1	21.59	21.89	21.72	23.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	23.0	0.0	
30	QPSK	1	1	21.50	21.78	21.68	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	23.0	0.0	
20	QPSK	1	1	21.57	21.87	21.66	23.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	23.0	0.0	
15	QPSK	1	1	21.53	21.80	21.68	23.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	23.0	0.0	
10	QPSK	1	1	21.54	21.85	21.66	23.0	0.0	

n41 Ant7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.76	22.87	22.80	25.0	0.0	
100	PI/2 BPSK	1	137	23.86	23.97	23.92			
100	PI/2 BPSK	1	271	22.73	22.84	22.77			
100	PI/2 BPSK	135	0	23.28	23.41	23.32			
100	PI/2 BPSK	135	69	23.81	23.95	23.83	25.0	0.0	
100	PI/2 BPSK	135	138	23.16	23.27	23.21	25.0	0.0	
100	PI/2 BPSK	270	0	23.26	23.36	23.24			
100	QPSK	1	1	22.78	22.94	22.88	25.0	0.0	
100	QPSK	1	137	23.92	24.05	23.86			
100	QPSK	1	271	22.83	22.92	22.80			
100	QPSK	135	0	22.85	22.94	22.87			
100	QPSK	135	69	23.87	23.98	23.92	25.0	0.0	
100	QPSK	135	138	22.63	22.76	22.70	25.0	0.0	
100	QPSK	270	0	23.02	23.11	23.09			
100	16QAM	1	1	22.06	22.18	22.13	25.0	0.0	
100	64QAM	1	1	20.35	20.46	20.39	23.5	1.5	
100	256QAM	1	1	17.14	17.24	17.11	21.5	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	25.0	0.0	
90	QPSK	1	1	23.70	23.85	23.63	25.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	25.0	0.0	
80	QPSK	1	1	23.68	23.87	23.63	25.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	25.0	0.0	
70	QPSK	1	1	23.71	23.80	23.68	25.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	25.0	0.0	
60	QPSK	1	1	23.72	23.83	23.62	25.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	25.0	0.0	
50	QPSK	1	1	23.68	23.87	23.67	25.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.0	0.0	
40	QPSK	1	1	23.68	23.86	23.62	25.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	25.0	0.0	
30	QPSK	1	1	23.72	23.81	23.63	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	25.0	0.0	
20	QPSK	1	1	23.68	23.86	23.66	25.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	25.0	0.0	
15	QPSK	1	1	23.74	23.81	23.62	25.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	25.0	0.0	
10	QPSK	1	1	23.73	23.83	23.63	25.0	0.0	

[illegible]

Part27Q n77 Ant8 PC3&PC2							
Alt	Alt 2016	Modulation	BS Size	BS Offset	Power Class Tx Power [dBm]	Power Class Rx Power [dBm]	Power Class Tx Power [dBm]
		Channel					Time slot [ms]
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	1	80	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	PC3	PC3	270	0	15.45		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	1	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	271	15.50		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	1	80	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	QPC3	QPC3	270	0	15.45		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	1	15.50		20.0
100	PC3	PC3	1	271	15.50		20.0
100	PC3	PC					

[illegible][illegible]



Default Power

n2 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	22.80	22.85	22.75		
30	PI2 BPSK	1	80	23.08	23.15	23.10	24.0	0.0
30	PI2 BPSK	1	158	22.91	22.95	22.89		
30	PI2 BPSK	80	0	22.58	22.62	22.56	23.5	0.5
30	PI2 BPSK	80	40	22.58	23.10	23.00	24.0	0.0
30	PI2 BPSK	80	80	22.51	22.61	22.57		
30	PI2 BPSK	160	0	22.60	22.69	22.65	23.5	0.5
30	QPSK	1	1	22.82	22.84	22.91		
30	QPSK	1	80	23.11	23.15	23.15	24.0	0.0
30	QPSK	1	158	22.95	22.98	22.87		
30	QPSK	80	0	22.57	22.57	22.26	23.0	1.0
30	QPSK	80	40	23.06	23.17	23.13	24.0	0.0
30	QPSK	80	80	22.79	22.51	22.21	23.0	1.0
30	QPSK	160	0	22.17	22.35	22.32		
30	16QAM	1	1	21.69	21.79	21.72	23.0	1.0
30	64QAM	1	1	20.17	20.28	20.13	21.5	2.5
30	256QAM	1	1	18.76	18.82	18.78	19.5	4.5
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.83	22.93	22.96	24.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.91	22.92	22.98	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	23.06	23.04	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.07	23.18	23.08	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.98	23.11	23.03	24.0	0.0

n5 Ant0								
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					167500			
Frequency (MHz)					836.5			
25	PI2 BPSK	1	1		22.63			
25	PI2 BPSK	1	67		22.85		24.0	0.0
25	PI2 BPSK	1	131		22.65			
25	PI2 BPSK	64	0		22.28		23.5	0.5
25	PI2 BPSK	64	35		22.87		24.0	0.0
25	PI2 BPSK	64	69		22.30			
25	PI2 BPSK	128	0		22.34		23.5	0.5
25	QPSK	1	1		22.57			
25	QPSK	1	67		22.92		24.0	0.0
25	QPSK	1	131		22.50			
25	QPSK	64	0		21.74		23.0	1.0
25	QPSK	64	35		22.86		24.0	0.0
25	QPSK	64	69		21.78			
25	QPSK	128	0		21.83		23.0	1.0
25	16QAM	1	1		21.32		23.0	1.0
25	64QAM	1	1		20.00		21.5	2.5
25	256QAM	1	1		18.53		19.5	4.5
Channel				166800	167500	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	838		
20	QPSK	1	1	22.84	22.89	22.73	0.0	0.0
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.77	22.86	22.75	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.82	22.88	22.75	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.80	22.75	24.0	0.0

n12 Ant0								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.84	22.98	22.75		
15	PI2 BPSK	1	40	22.75	22.83	22.71	24.0	0.0
15	PI2 BPSK	1	77	22.73	22.80	22.71		
15	PI2 BPSK	36	0	22.58	22.65	22.52	23.5	0.5
15	PI2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0
15	PI2 BPSK	36	43	22.54	22.61	22.50		
15	PI2 BPSK	72	0	22.58	22.64	22.61	23.5	0.5
15	QPSK	1	1	22.87	22.92	22.81		
15	QPSK	1	40	22.83	22.87	22.77	24.0	0.0
15	QPSK	1	77	22.72	22.81	22.68		
15	QPSK	36	0	22.04	22.12	22.08	23.0	1.0
15	QPSK	36	22	22.82	22.85	22.77	24.0	0.0
15	QPSK	36	43	22.02	22.07	21.94	23.0	1.0
15	QPSK	72	0	22.05	22.13	22.00		
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0
Channel				140500	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0

n14 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1		22.57		24.0	0.0	
10	PI2 BPSK	1	26		22.50				
10	PI2 BPSK	1	50		22.50				
10	PI2 BPSK	25	0		22.12		23.5	0.5	
10	PI2 BPSK	25	14		22.56		24.0	0.0	
10	PI2 BPSK	25	27		22.07		23.5	0.5	
10	PI2 BPSK	50	0		22.14		24.0	0.0	
10	QPSK	1	1		22.64				
10	QPSK	1	26		22.58				
10	QPSK	1	50		22.55		23.0	1.0	
10	QPSK	25	0		21.73				
10	QPSK	25	14		22.60				
10	QPSK	25	27		21.66		23.0	1.0	
10	QPSK	50	0		21.76		23.0	1.0	
10	16QAM	1	1		21.36		23.0	1.0	
10	64QAM	1	1		19.91		21.5	2.5	
10	256QAM	1	1		18.43		19.5	4.5	
Channel				159100	159000	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5 <td></td> <th colspan="2"></th>			
5	QPSK	1	1	22.53	22.52	22.49	24.0	0.0	

n25 Ant0									
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)									
45	PI2 BPSK	1	1	187.2	186.5	186.5	24.0	0.0	
45	PI2 BPSK	1	1	22.23	22.37	22.30			
45	PI2 BPSK	1	61	22.97	23.11	22.98			
45	PI2 BPSK	1	121	22.36	22.45	22.31	24.0	0.0	
45	PI2 BPSK	121	0	22.41	22.51	22.37			
45	PI2 BPSK	121	61	22.92	23.06	23.00			
45	PI2 BPSK	121	121	22.54	22.58	22.51	23.5	0.5	
45	PI2 BPSK	242	0	22.50	22.62	22.55			
45	QPSK	1	1	22.35	22.42	22.40			
45	QPSK	1	61	23.09	23.17	23.11	24.0	0.0	
45	QPSK	1	121	22.40	22.48	22.43			
45	QPSK	121	0	22.10	22.16	22.02			
45	QPSK	121	61	23.02	23.11	23.07	24.0	0.0	
45	QPSK	121	121	22.12	22.18	22.03			
45	QPSK	242	0	22.09	22.25	22.01			
45	16QAM	1	1	21.21	21.33	21.25	23.0	1.0	
45	64QAM	1	1	19.75	19.84	19.79			
45	256QAM	1	1	18.27	18.41	18.28			
Channel									
Frequency (MHz)									
40	QPSK	1	1	1870	1862.5	1865	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.89	23.02	23.04	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.03	23.10	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.99	23.09	23.03	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.97	23.04	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.98	23.11	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.95	23.04	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.96	23.13	22.99	24.0	0.0	

n26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq	Power Mode Ch./ Freq	Power High Ch./ Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.74	804	831.5	839	24.0	0.0
30	PI2 BPSK	1	53	22.63	22.68	22.81	22.78		
30	PI2 BPSK	1	104	22.61	22.71	22.67	22.57		
30	PI2 BPSK	50	0	22.30	22.35	22.21	22.19	23.5	0.5
30	PI2 BPSK	50	28	22.76	22.80	22.71	22.64	24.0	0.0
30	PI2 BPSK	50	56	22.20	22.31	22.19	22.19	23.5	0.5
30	PI2 BPSK	100	0	22.23	22.37	22.28	22.28	24.0	0.0
30	QPSK	1	1	22.80	22.91	22.82	22.82		
30	QPSK	1	53	22.69	22.75	22.65	22.65		
30	QPSK	1	104	22.62	22.69	22.59	22.59	23.0	1.0
30	QPSK	50	0	21.81	21.84	21.81	21.81		
30	QPSK	50	28	22.78	22.87	22.80	22.80		
30	QPSK	50	56	21.66	21.80	21.71	21.71	23.0	1.0
30	QPSK	100	0	21.84	21.86	21.81	21.81	23.0	1.0
30	16QAM	1	1	21.36	21.43	21.30	21.30	23.0	1.0
30	64QAM	1	1	19.95	20.06	19.99	19.99	21.5	2.5
30	256QAM	1	1	18.51	18.62	18.57	18.57	19.5	4.5
Channel				164300	166300	165300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.74	22.82	22.73	24.0	0.0	
Channel				163800	166300	165800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.68	22.78	22.67	24.0	0.0	
Channel				163300	166300	165900	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.74	22.87	22.75	24.0	0.0	

n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	22.23	22.31	22.15			
45	PI2 BPSK	1	61	22.78	22.88	22.77	24.0	0.0	
45	PI2 BPSK	1	121	22.17	22.23	22.10			
45	PI2 BPSK	121	0	22.52	22.59	22.47	23.5	0.5	
45	PI2 BPSK	121	61	22.71	22.85	22.80	24.0	0.0	
45	PI2 BPSK	121	121	22.48	22.55	22.41			
45	PI2 BPSK	242	0	22.48	22.62	22.54	23.5	0.5	
45	QPSK	1	1	22.30	22.34	22.23			
45	QPSK	1	61	22.87	22.93	22.81	24.0	0.0	
45	QPSK	1	121	22.14	22.25	22.17			
45	QPSK	121	0	21.98	22.02	21.90	23.0	1.0	
45	QPSK	121	61	22.82	22.89	22.81	24.0	0.0	
45	QPSK	121	121	21.94	22.04	21.87	23.0	1.0	
45	QPSK	242	0	21.99	22.11	22.07			
45	16QAM	1	1	21.17	21.24	21.20	23.0	1.0	
45	64QAM	1	1	19.60	19.73	19.65	21.5	2.5	
45	256QAM	1	1	18.34	18.37	18.33	19.5	4.5	
Channel				349000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.85	22.83	22.62	24.0	0.0	
Channel				349500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	22.61	22.80	22.62	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
30	QPSK	1	1	22.72	22.87	22.78	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.74	22.79	22.77	24.0	0.0	
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1770			
20	QPSK	1	1	22.82	22.88	22.78	24.0	0.0	
Channel				345500	349500	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.79	22.80	22.85	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	22.74	22.85	22.85	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.81	22.81	22.77	24.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500	340500				
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	22.53					
15	PI2 BPSK	1	40		22.80		24.0	0.0	
15	PI2 BPSK	1	77		22.86				
15	PI2 BPSK	36	0		22.48		23.5	0.5	
15	PI2 BPSK	36	22		22.80		24.0	0.0	
15	PI2 BPSK	36	43		22.48		23.5	0.5	
15	PI2 BPSK	75	0		22.52				
15	QPSK	1	1		22.58				
15	QPSK	1	40		22.89		24.0	0.0	
15	QPSK	1	77		22.81				
15	QPSK	36	0		22.15		23.0	1.0	
15	QPSK	36	22		22.62		24.0	0.0	
15	QPSK	36	43		22.14		23.0	1.0	
15	QPSK	75	0		22.17				
15	16QAM	1	1		21.78		23.0	1.0	
15	64QAM	1	1		20.25		21.5	2.5	
15	256QAM	1	1		18.86		18.5	4.5	
Channel				340000	349000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.80	22.87	22.77	24.0	0.0	
Channel				340500	349000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.78	22.89	22.82	24.0	0.0	

n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	690.5	707.5			
20	PI2 BPSK	1	1	22.92	23.05	22.97			
20	PI2 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	PI2 BPSK	1	104	22.73	22.83	22.79			
20	PI2 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	PI2 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.52	22.38	23.5	0.5	
20	PI2 BPSK	100	0	22.50	22.58	22.52			
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.90	22.95	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.05	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.98	22.00	21.81	23.0	1.0	
20	QPSK	100	0	22.01	22.04	21.97			
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	18.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	690.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	690.5	693			
10	QPSK	1	1	22.93	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	690.5	695.5			
5	QPSK	1	1	22.92	23.08	22.96	24.0	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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	23.10	23.18	23.04			
50	PI2 BPSK	1	135	23.00	23.07	22.98			
50	PI2 BPSK	1	268	22.83	22.86	22.82	23.5	0.5	
50	PI2 BPSK	135	0	22.65	22.78	22.74			
50	PI2 BPSK	135	68	23.01	23.14	23.09			
50	PI2 BPSK	135	135	22.53	22.58	22.52			
50	PI2 BPSK	270	0	22.51	22.66	22.61	23.5	0.5	
50	QPSK	1	1	23.17	23.23	23.12			
50	QPSK	1	135	23.06	23.11	23.00			
50	QPSK	1	268	22.73	22.82	22.70			
50	QPSK	135	0	22.20	22.23	22.08	23.0	1.0	
50	QPSK	135	68	23.12	23.16	23.05			
50	QPSK	135	135	22.04	22.09	22.01			
50	QPSK	270	0	22.08	22.13	22.01			
50	16QAM	1	1	21.78	21.84	21.72	23.0	1.0	
50	64QAM	1	1	20.25	20.37	20.22			
50	256QAM	1	1	18.89	18.92	18.84			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24.0	0.0	
40	QPSK	1	1	23.07	23.15	23.00	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.14	23.20	23.07		24.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	23.03	23.19	23.04	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	23.06	23.18	22.98		24.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	QPSK	1	1	23.04	23.10	23.07	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.04	23.11	23.05		24.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	QPSK	1	1	23.02	23.16	23.04	24.0		

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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						462000	24.0	0.0	
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1			23.22			
10	PI/2 BPSK	1	26			23.16			
10	PI/2 BPSK	1	50			22.86	23.5	0.5	
10	PI/2 BPSK	25	0			22.79			
10	PI/2 BPSK	25	14			23.18			
10	PI/2 BPSK	25	27			22.53			
10	PI/2 BPSK	50	0			22.61	23.5	0.5	
10	QPSK	1	1			23.28			
10	QPSK	1	26			23.19			
10	QPSK	1	50			22.95			
10	QPSK	25	0			22.24	23.0	1.0	
10	QPSK	25	14			23.21			
10	QPSK	25	27			22.05			
10	QPSK	50	0			22.12			
10	16QAM	1	1			22.06	23.0	1.0	
10	64QAM	1	1			20.39			
10	256QAM	1	1			18.89			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.15	23.22	23.12	24.0		

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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				506202	518598	526000			
Frequency (MHz)				2568.01	2569.99	2600			
100	Pi/2 BPSK	1	1	22.17	22.21	22.10	24.0	0.0	
100	Pi/2 BPSK	1	137	23.19	23.25	23.16			
100	Pi/2 BPSK	1	271	22.03	22.09	22.10			
100	Pi/2 BPSK	135	0	23.12	23.18	23.07			
100	Pi/2 BPSK	135	69	23.11	23.20	23.06	24.0	0.0	
100	Pi/2 BPSK	135	138	23.01	23.05	22.95	24.0	0.0	
100	Pi/2 BPSK	270	0	23.07	23.17	23.03			
100	QPSK	1	1	22.01	22.30	22.14	24.0	0.0	
100	QPSK	1	137	23.15	23.32	23.08			
100	QPSK	1	271	22.05	22.16	22.08			
100	QPSK	135	0	23.14	23.21	23.14		0.0	
100	QPSK	135	69	23.14	23.22	23.03	24.0	0.0	
100	QPSK	135	138	22.94	23.04	23.01	24.0	0.0	
100	QPSK	270	0	22.97	23.12	22.89			
100	16QAM	1	1	22.04	22.09	22.02	24.0	0.0	
100	16QAM	1	1	22.01	22.05	22.01	24.0	0.0	
100	256QAM	1	1	21.06	21.16	21.11	22.5	1.5	
Channel				508000	518598	538998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2581	2592.99	2644.98	(dBm)	(dBm)	
90	QPSK	1	1	23.07	23.24	23.01	24.0	0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dBm)	
80	QPSK	1	1	23.01	23.21	22.99	24.0	0.0	
Channel				506202	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dBm)	
70	QPSK	1	1	23.04	23.23	22.95	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.07	23.19	22.98	24.0	0.0	
60	QPSK	1	1	23.07	23.19	22.98	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dBm)	
50	QPSK	1	1	23.05	23.20	23.01	24.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dBm)	
40	QPSK	1	1	23.04	23.20	23.00	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.05	23.22	23.00	24.0	0.0	
30	QPSK	1	1	23.05	23.22	23.00	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dBm)	
20	QPSK	1	1	22.05	22.15	22.08	24.0	0.0	
Channel				500200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2692.48	(dBm)	(dBm)	
15	QPSK	1	1	23.01	23.18	23.01	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dBm)	
10	QPSK	1	1	23.02	23.02	23.01	24.0	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				506202	518598	526000			
Frequency (MHz)				2568.01	2569.99	2600			
100	Pi/2 BPSK	1	1	25.11	25.15	25.07	27.0	0.0	
100	Pi/2 BPSK	1	137	25.99	26.06	25.97			
100	Pi/2 BPSK	1	271	25.01	25.06	25.02			
100	Pi/2 BPSK	135	0	25.63	25.72	25.63		0.5	
100	Pi/2 BPSK	135	69	25.95	26.03	25.97	27.0	0.0	
100	Pi/2 BPSK	135	138	25.39	25.46	25.35	28.5	0.5	
100	Pi/2 BPSK	270	0	25.38	25.52	25.48			
100	QPSK	1	1	25.06	25.18	25.12	27.0	0.0	
100	QPSK	1	137	26.09	26.14	25.94			
100	QPSK	1	271	24.99	25.02	24.91			
100	QPSK	135	0	25.02	25.13	25.08	28.0	1.0	
100	QPSK	135	69	26.03	26.10	25.87	27.0	0.0	
100	QPSK	135	138	24.99	25.04	24.92	28.0	1.0	
100	QPSK	270	0	24.98	25.11	24.83			
100	16QAM	1	1	24.25	24.30	24.22	28.0	1.0	
100	64QAM	1	1	22.76	22.84	22.78	24.5	2.5	
100	256QAM	1	1	19.28	19.38	19.31	22.5	4.5	
Channel				508000	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2581	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	25.84	26.11	25.79	27.0	0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	25.97	26.00	25.83	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	26.05	26.02	25.86	27.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	25.95	26.10	25.89	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.98	(dBm)	(dB)	
50	QPSK	1	1	25.98	26.03	25.90	27.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	26.03	26.02	25.80	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2609.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	25.99	26.08	25.86	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	22.99	23.03	22.82	27.0	0.0	
Channel				500200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2692.48	(dBm)	(dB)	
15	QPSK	1	1	26.04	26.00	25.88	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	25.99	26.05	25.80	27.0	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				650000	650000	662000			
Frequency (MHz)				3700	3840	3900			
100	Pi/2 BPSK	1	1	19.12	19.22	19.17	21.0	0.0	
100	Pi/2 BPSK	1	137	19.98	20.03	19.96			
100	Pi/2 BPSK	1	271	19.05	19.11	19.05			
100	Pi/2 BPSK	135	0	19.84	19.97	19.90		21.0	0.0
100	Pi/2 BPSK	135	69	19.94	20.04	19.98	21.0	0.0	
100	Pi/2 BPSK	135	138	19.80	19.88	19.82			
100	Pi/2 BPSK	270	0	19.81	19.95	19.88	21.0	0.0	
100	QPSK	1	1	19.34	19.37	19.19			
100	QPSK	1	137	20.08	20.25	20.01			
100	QPSK	1	271	18.91	19.02	18.87	21.0	0.0	
100	QPSK	135	0	19.86	20.00	19.87			
100	QPSK	135	69	20.17	20.21	19.95			
100	QPSK	135	138	19.87	19.88	19.81	21.0	0.0	
100	QPSK	270	0	19.91	20.07	19.84			
100	16QAM	1	1	19.01	19.08	19.84	21.0	0.0	
100	64QAM	1	1	18.86	19.04	19.84			
100	256QAM	1	1	18.70	19.14	17.99	21.0	1.5	
Channel				648668	650000	662334			
Frequency (MHz)				3745.02	3840	3905.01			
90	QPSK	1	1	20.03	20.34	19.97	21.0	0.0	
90	QPSK	1	137	20.83	20.95	20.83			
90	QPSK	1	271	19.91	20.00	19.91			
90	QPSK	135	0	19.87	19.98	19.87		21.0	0.0
80	QPSK	1	1	20.01	20.21	19.93	21.0	0.0	
80	QPSK	1	137	20.81	20.94	20.81			
80	QPSK	1	271	19.99	20.08	19.99			
80	QPSK	135	0	19.89	19.99	19.89		21.0	0.0
70	QPSK	1	1	20.04	20.23	19.91	21.0	0.0	
70	QPSK	1	137	20.84	20.97	20.84			
70	QPSK	1	271	19.97	20.06	19.97			
70	QPSK	135	0	19.91	20.01	19.91		21.0	0.0
Channel				648668	650000	662334			
Frequency (MHz)				3770.12	3840	3920.01			
60	QPSK	1	1	20.09	20.17	19.94	21.0	0.0	
60	QPSK	1	137	20.89	21.00	20.89			
60	QPSK	1	271	19.95	20.04	19.95			
60	QPSK	135	0	19.93	20.03	19.93		21.0	0.0
Channel				648334	650000	662668			
Frequency (MHz)				3725.01	3840	3965.02			
50	QPSK	1	1	20.01	20.25	19.95	21.0	0.0	
50	QPSK	1	137	20.81	20.94	20.81			
50	QPSK	1	271	19.99	20.08	19.99			
50	QPSK	135	0	19.91	20.01	19.91		21.0	0.0
Channel				647668	650000	664334			
Frequency (MHz)				3740	3840	3965.01			
40	QPSK	1	1	19.96	20.16	19.90	21.0	0.0	
40	QPSK	1	137	20.86	20.98	20.86			
40	QPSK	1	271	19.96	20.04	19.91			
40	QPSK	135	0	19.96	20.06	19.96		21.0	0.0
Channel				647334	650000	664668			
Frequency (MHz)				3705.01	3840	3970.02			
30	QPSK	1	1	19.94	20.16	19.84	21.0	0.0	
30	QPSK	1	137	20.84	20.96	20.84			
30	QPSK	1	271	19.94	20.04	19.94			
30	QPSK	135	0	19.94	20.04	19.94		21.0	0.0
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3970			
15	QPSK	1	1	19.94	20.19	19.88	21.0	0.0	
15	QPSK	1	137	20.84	20.96	20.84			
15	QPSK	1	271	19.94	20.04	19.94			
15	QPSK	135	0	19.94	20.04	19.94		21.0	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				650000	650000	650000	633334	
Frequency (MHz)				3350	3400	3400		
100	Pi/2 BPSK	1	1	19.68	19.74	19.62	21.0	0.0
100	Pi/2 BPSK	1	137	20.51	20.47	20.44		
100	Pi/2 BPSK	1	271	19.51	19.60	19.52		
100	Pi/2 BPSK	135	0	20.38	20.41	20.35		
100	Pi/2 BPSK	135	69	20.46	20.52	20.48	21.0	0.0
100	Pi/2 BPSK	135	138	20.35	20.37	20.35	21.0	0.0
100	Pi/2 BPSK	270	0	20.38	20.48	20.35		
100	QPSK	1	1	19.91	19.77	19.75	21.0	0.0
100	QPSK	1	137	20.58	20.78	20.51		
100	QPSK	1	271	19.34	19.48	19.43		
100	QPSK	135	0	20.38	20.45	20.41		
100	QPSK	135	69	20.67	20.74	20.39	21.0	0.0
100	QPSK	135	138	20.44	20.52	20.25	21.0	0.0
100	QPSK	270	0	20.34	20.58	20.41		
100	16QAM	1	1	19.53	19.56	19.50	21.0	0.0
100	64QAM	1	1	19.40	19.53	19.46	21.0	0.0
100	256QAM	1	1	18.23	18.33	18.34	19.5	1.5
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3905.01	(dBm)	(dB)
90	QPSK	1	1	20.35	20.45	20.27	21.0	0.0
Channel				649334	650000	660668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.33	20.49	20.30	21.0	0.0
Channel				648000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01	(dBm)	(dB)
70	QPSK	1	1	20.34	20.53	20.34	21.0	0.0
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01	(dBm)	(dB)
60	QPSK	1	1	20.39	20.53	20.35	21.0	0.0
Channel				648334	650000	660668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3965.02	(dBm)	(dB)
50	QPSK	1	1	20.34	20.43	20.28	21.0	0.0
Channel				647000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.43	20.44	20.28	21.0	0.0
Channel				647668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.38	20.45	20.28	21.0	0.0
Channel				647334	650000	660668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.41	20.47	20.34	21.0	0.0
Channel				647168	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.40	20.52	20.29	21.0	0.0
Channel				647000	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.32	20.48	20.29	21.0	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				633334			3500.01	
Frequency (MHz)				6300.02				
100	Pi/2 BPSK	1	1		19.26		21.0	0.0
100	Pi/2 BPSK	1	137		20.28			
100	Pi/2 BPSK	1	271		19.41			
100	Pi/2 BPSK	135	0		20.12			
100	Pi/2 BPSK	135	69		20.24		21.0	0.0
100	Pi/2 BPSK	135	136		20.19		21.0	0.0
100	Pi/2 BPSK	270	0		20.11			
100	QPSK	1	1		19.33		21.0	0.0
100	QPSK	1	137		20.34			
100	QPSK	1	271		19.46			
100	QPSK	135	0		20.15		21.0	0.0
100	QPSK	135	69		20.29		21.0	0.0
100	QPSK	135	136		20.16		21.0	0.0
100	QPSK	270	0		20.08			
100	16QAM	1	1		19.18		21.0	0.0
100	64QAM	1	1		19.13		21.0	0.0
100	256QAM	1	1		18.21		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.11	20.19	20.16	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.13	20.24	20.17	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.20	20.27	20.19	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	20.21	20.29	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.12	20.31	20.12	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.14	20.21	20.19	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02	(dBm)	(dB)
30	QPSK	1	1	20.11	20.20	20.14	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3545	(dBm)	(dB)
20	QPSK	1	1	20.14	20.26	20.19	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.14	20.29	20.18	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.21	20.30	20.20	21.0	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				633334			3500.01	
Frequency (MHz)				3400.02				
100	Pi/2 BPSK	1	1		19.71		21.0	0.0
100	Pi/2 BPSK	1	137		20.72			
100	Pi/2 BPSK	1	271		19.90			
100	Pi/2 BPSK	135	0		20.68			
100	Pi/2 BPSK	135	69		20.79		21.0	0.0
100	Pi/2 BPSK	135	138		20.65		21.0	0.0
100	Pi/2 BPSK	270	0		20.62			
100	QPSK	1	1		19.88		21.0	0.0
100	QPSK	1	137		20.89			
100	QPSK	1	271		19.98			
100	QPSK	135	0		20.59		21.0	0.0
100	QPSK	135	69		20.62		21.0	0.0
100	QPSK	135	138		20.64		21.0	0.0
100	QPSK	270	0		20.58			
100	16QAM	1	1		19.64		21.0	0.0
100	64QAM	1	1		19.60		21.0	0.0
100	256QAM	1	1		18.73		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.06	20.63	20.60	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.63	20.76	20.64	21.0	0.0
Channel				632334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486	3500.01	3510.01	(dBm)	(dB)
70	QPSK	1	1	20.56	20.63	20.69	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	20.62	20.68	20.72	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.66	20.70	20.67	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.57	20.63	20.61	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02	(dBm)	(dB)
30	QPSK	1	1	20.55	20.72	20.64	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.58	20.62	20.67	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.82	(dBm)	(dB)
15	QPSK	1	1	20.60	20.75	20.69	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3548.01	(dBm)	(dB)
10	QPSK	1	1	20.59	20.65	20.64	21.0	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				650000					
Frequency (MHz)				19.37					
100	PI2 BPSK	1	1		20.31		21.0	0.0	
100	PI2 BPSK	1	137		20.14		21.0	0.0	
100	PI2 BPSK	1	271		20.29		21.0	0.0	
100	PI2 BPSK	135	0		20.31		21.0	0.0	
100	PI2 BPSK	135	69		20.09		21.0	0.0	
100	PI2 BPSK	135	136		20.03		21.0	0.0	
100	PI2 BPSK	270	0		20.09		21.0	0.0	
100	QPSK	1	1		19.42		21.0	0.0	
100	QPSK	1	137		20.37		21.0	0.0	
100	QPSK	1	271		19.93		21.0	0.0	
100	QPSK	135	0		20.19		21.0	0.0	
100	QPSK	135	69		20.33		21.0	0.0	
100	QPSK	135	136		20.14		21.0	0.0	
100	QPSK	270	0		20.06		21.0	0.0	
100	16QAM	1	1		19.21		21.0	0.0	
100	16QAM	1	1		19.15		21.0	0.0	
100	256QAM	1	1		18.27		19.5	1.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.29	20.32	20.21	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.25	20.30	20.24	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.05	3750	3765.05	21.0	0.0	
70	QPSK	1	1		20.20	20.33	20.16	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	21.0	0.0	
60	QPSK	1	1		20.25	20.26	20.17	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.25	20.28	20.21	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.20	20.26	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	21.0	0.0	
30	QPSK	1	1		20.28	20.22	20.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	21.0	0.0	
20	QPSK	1	1		20.24	20.25	20.21	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	21.0	0.0	
15	QPSK	1	1		20.30	20.30	20.25	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.25	20.32	20.22	21.0	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.	Time-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				19.61					
100	PI2 BPSK	1	1		20.49		21.0	0.0	
100	PI2 BPSK	1	137		19.55		21.0	0.0	
100	PI2 BPSK	1	271		20.34		21.0	0.0	
100	PI2 BPSK	135	0		20.53		21.0	0.0	
100	PI2 BPSK	135	69		20.26		21.0	0.0	
100	PI2 BPSK	135	138		20.18		21.0	0.0	
100	PI2 BPSK	270	0		19.62		21.0	0.0	
100	QPSK	1	1		19.48		21.0	0.0	
100	QPSK	1	137		20.42		21.0	0.0	
100	QPSK	1	271		20.53		21.0	0.0	
100	QPSK	135	0		20.27		21.0	0.0	
100	QPSK	135	69		20.26		21.0	0.0	
100	QPSK	135	138		19.36		21.0	0.0	
100	QPSK	270	0		19.34		21.0	0.0	
100	16QAM	1	1		19.34		21.0	0.0	
100	256QAM	1	1		18.43		19.5	1.5	
Channel				649968	650000	650033	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.47	20.48	20.47	21.0	0.0
Channel				649334	650000	650668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.48	20.46	20.45	21.0	0.0
Channel				649000	650000	651000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.05	3750	3765.05	21.0	0.0	
70	QPSK	1	1		20.44	20.49	20.38	21.0	0.0
Channel				648668	650000	651334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.05	3750	3770.01	21.0	0.0	
60	QPSK	1	1		20.49	20.45	20.45	21.0	0.0
Channel				648334	650000	651668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.51	20.51	20.43	21.0	0.0
Channel				648000	650000	652000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.52	20.53	20.38	21.0	0.0
Channel				647668	650000	652334	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	21.0	0.0	
30	QPSK	1	1		20.52	20.51	20.40	21.0	0.0
Channel				647334	650000	652668	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	21.0	0.0	
20	QPSK	1	1		20.48	20.47	20.40	21.0	0.0
Channel				647168	650000	652834	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	21.0	0.0	
15	QPSK	1	1		20.54	20.52	20.47	21.0	0.0
Channel				647000	650000	653000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.48	20.54	20.46	21.0	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				633334		3400.01	21.0	0.0	
Frequency (MHz)				19.18					
100	PI2 BPSK	1	1		20.06		21.0	0.0	
100	PI2 BPSK	1	137		19.44		21.0	0.0	
100	PI2 BPSK	1	271		19.74		21.0	0.0	
100	PI2 BPSK	135	0		19.69		21.0	0.0	
100	PI2 BPSK	135	69		19.82		21.0	0.0	
100	PI2 BPSK	135	138		19.74		21.0	0.0	
100	PI2 BPSK	270	0		18.24		21.0	0.0	
100	QPSK	1	1		19.52		21.0	0.0	
100	QPSK	1	137		19.89		21.0	0.0	
100	QPSK	1	271		19.82		21.0	0.0	
100	QPSK	135	0		19.69		21.0	0.0	
100	QPSK	135	69		20.04		21.0	0.0	
100	QPSK	135	138		19.87		21.0	0.0	
100	QPSK	270	0		19.95		21.0	0.0	
100	16QAM	1	1		18.83		21.0	0.0	
100	64QAM	1	1		18.79		21.0	0.0	
100	256QAM	1	1		18.25		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	21.0	0.0	
90	QPSK	1	1		20.04	20.06	19.69	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510.01	21.0	0.0	
80	QPSK	1	1		19.99	20.01	19.92	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3500.01	3515.01	21.0	0.0	
70	QPSK	1	1		19.96	20.07	19.87	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3520.02	21.0	0.0	
60	QPSK	1	1		20.04	20.01	19.93	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	1		20.01	20.08	19.86	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0	
40	QPSK	1	1		20.00	20.03	19.86	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3545.01	21.0	0.0	
30	QPSK	1	1		19.99	19.98	19.86	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.02	3500.01	3540	21.0	0.0	
20	QPSK	1	1		19.97	20.09	19.94	21.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3451.5	3500.01	3542.52	21.0	0.0	
15	QPSK	1	1		19.96	19.99	19.93	21.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3549.01	21.0	0.0	
10	QPSK	1	1		19.97	20.04	19.89	21.0	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				633334				
Frequency (MHz)				3600.01				
100	PI2 BPSK	1	1		19.42		21.0	0.0
100	PI2 BPSK	1	137		20.38			
100	PI2 BPSK	1	271		19.82		21.0	0.0
100	PI2 BPSK	135	0		19.97			
100	PI2 BPSK	135	69		20.11		21.0	0.0
100	PI2 BPSK	135	138		20.19			
100	PI2 BPSK	270	0		20.04		21.0	0.0
100	QPSK	1	1		19.90			
100	QPSK	1	137		20.45		21.0	0.0
100	QPSK	1	271		19.87			
100	QPSK	135	0		19.97		21.0	0.0
100	QPSK	135	69		20.35			
100	QPSK	135	138		20.20		21.0	0.0
100	QPSK	270	0		20.21			
100	16QAM	1	1		19.15		21.0	0.0
100	64QAM	1	1		19.14			
100	256QAM	1	1		18.55		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3505.02		
90	QPSK	1	1	20.38	20.35	20.13	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3510		
80	QPSK	1	1	20.38	20.31	20.15	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.01	3500.01	3515.01		
70	QPSK	1	1	20.37	20.38	20.16	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3503.01	3508.02		
60	QPSK	1	1	20.30	20.12	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.35	20.33	20.24	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.39	20.36	20.16	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3503.01	3535.02		
30	QPSK	1	1	20.33	20.37	20.23	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.32	20.37	20.25	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500.01	3542.52		
15	QPSK	1	1	20.32	20.42	20.25	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3458.01	3500.01	3545.01		
10	QPSK	1	1	20.29	20.39	20.17	21.0	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				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	22.27	22.35	22.23	24.0	0.0	
100	Pl2 BPSK	1	137	23.45	23.52	23.41			
100	Pl2 BPSK	1	271	22.33	22.42	22.37			
100	Pl2 BPSK	135	0	23.41	23.44	23.31			
100	Pl2 BPSK	135	69	23.38	23.48	23.38	24.0	0.0	
100	Pl2 BPSK	135	138	23.26	23.38	23.32	24.0	0.0	
100	Pl2 BPSK	270	0	23.32	23.41	23.31			
100	QPSK	1	1	22.38	22.42	22.74	24.0	0.0	
100	QPSK	1	137	23.31	23.60	23.26			
100	QPSK	1	271	22.30	22.34	22.21			
100	QPSK	135	0	23.44	23.52	23.41			
100	QPSK	135	69	23.23	23.56	23.18	24.0	0.0	
100	QPSK	135	138	23.19	23.32	23.21	24.0	0.0	
100	QPSK	270	0	23.06	23.42	23.21			
100	16QAM	1	1	22.17	22.23	22.14	24.0	0.0	
100	16QAM	1	1	22.38	22.18	22.04	24.0	0.0	
100	256QAM	1	1	21.26	21.36	21.32	22.5	1.5	
Channel				508200	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dBm)		
90	QPSK	1	1	23.25	23.50	23.19	24.0	0.0	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	23.24	23.47	23.21	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.99	(dBm)		
70	QPSK	1	1	23.20	23.48	23.23	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.01	2562.99	2659.99	(dBm)		
60	QPSK	1	1	23.27	23.56	23.16	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.99	(dBm)		
50	QPSK	1	1	23.21	23.51	23.20	24.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dBm)		
40	QPSK	1	1	23.17	23.45	23.13	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	23.19	23.53	23.13	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99	(dBm)		
20	QPSK	1	1	23.18	23.54	23.21	24.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	23.19	23.51	23.16	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dBm)		
10	QPSK	1	1	23.27	23.48	23.13	24.0	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				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	24.46	24.55	24.41	27.0	0.0	
100	Pl2 BPSK	1	137	25.42	25.52	25.38			
100	Pl2 BPSK	1	271	24.37	24.49	24.37			
100	Pl2 BPSK	135	0	25.11	25.14	25.00			
100	Pl2 BPSK	135	69	25.43	25.47	25.32	27.0	0.0	
100	Pl2 BPSK	135	138	24.83	24.92	24.78	26.5	0.5	
100	Pl2 BPSK	270	0	24.93	24.96	24.85			
100	QPSK	1	1	24.26	24.60	24.57	27.0	0.0	
100	QPSK	1	137	25.53	25.58	25.45			
100	QPSK	1	271	24.48	24.57	24.51			
100	QPSK	135	0	24.37	24.50	24.39	26.0	1.0	
100	QPSK	135	69	25.49	25.52	25.40	27.0	0.0	
100	QPSK	135	138	24.40	24.43	24.36			
100	QPSK	270	0	24.35	24.55	24.26	26.0	1.0	
100	16QAM	1	1	23.60	23.72	23.64	26.0	1.0	
100	64QAM	1	1	22.20	22.27	22.22	24.5	2.5	
100	256QAM	1	1	18.68	18.81	18.70	22.5	4.5	
Channel				508200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dBm)		
90	QPSK	1	1	25.48	25.51	25.31	27.0	0.0	
Channel				507204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	25.41	25.45	25.32	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.99	(dBm)		
70	QPSK	1	1	25.39	25.48	25.38	27.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.99	(dBm)		
60	QPSK	1	1	25.46	25.50	25.33	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.99	(dBm)		
50	QPSK	1	1	25.44	25.47	25.37	27.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dBm)		
40	QPSK	1	1	25.45	25.50	25.40	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	25.46	25.45	25.36	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99	(dBm)		
20	QPSK	1	1	25.49	25.58	25.31	27.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	25.39	25.50	25.41	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dBm)		
10	QPSK	1	1	25.44	25.53	25.32	27.0	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				650000	650000	662000					
Frequency (MHz)				3760	3840	3960					
100	Pl2 BPSK	1	1	19.59	19.63	19.48	21.0	0.0			
100	Pl2 BPSK	1	137	20.43	20.45	20.39					
100	Pl2 BPSK	1	271	19.34	19.47	19.44					
100	Pl2 BPSK	135	0	20.25	20.41	20.31					
100	Pl2 BPSK	135	69	20.38	20.48	20.34	21.0	0.0			
100	Pl2 BPSK	135	138	20.23	20.38	20.27	21.0	0.0			
100	Pl2 BPSK	270	0	20.25	20.44	20.26					
100	QPSK	1	1	19.74	19.70	19.52	21.0	0.0			
100	QPSK	1	137	20.53	20.54	20.29					
100	QPSK	1	271	19.40	19.49	19.34					
100	QPSK	135	0	20.30	20.44	20.38	21.0	0.0			
100	QPSK	135	69	20.36	20.50	20.40	21.0	0.0			
100	QPSK	135	138	20.36	20.37	20.28					
100	QPSK	270	0	20.37	20.47	20.32	21.0	0.0			
100	16QAM	1	1	19.33	19.44	19.38	21.0	0.0			
100	64QAM	1	1	19.62	19.75	19.66	21.0	0.0			
100	256QAM	1	1	18.78	18.82	18.73	19.5	1.5			
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR			
50	Frequency (MHz)			3745.00	3840	3935.01	21.0	0.0			
	QPSK	1	1	20.43	20.48	20.28					
	Channel <td>647334</td> <td>650000</td> <td>662334</td> <td>Tune-up limit (dBm)</td> <td>MPR</td>			647334	650000	662334				Tune-up limit (dBm)	MPR
	Frequency (MHz)			3740.01	3840	3940.02					
80	Channel <td>648668</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			648668	650000	663334	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.49	20.47	20.16	21.0	0.0			
	Channel <td>648668</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			648668	650000	663334	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3731.02	3840	3920.01					
70	Channel <td>648668</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			648668	650000	663334	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.48	20.40	20.29	21.0	0.0			
	Channel <td>648668</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			648668	650000	663334	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3726.01	3840	3965.02					
60	Channel <td>647334</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647334	650000	663334	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.52	20.45	20.18	21.0	0.0			
	Channel <td>647334</td> <td>650000</td> <td>663334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647334	650000	663334	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3720	3840	3960					
40	Channel <td>647668</td> <td>650000</td> <td>664334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647668	650000	664334	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.46	20.51	20.16	21.0	0.0			
	Channel <td>647668</td> <td>650000</td> <td>664334</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647668	650000	664334	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3710.01	3840	3970.02					
30	Channel <td>647334</td> <td>650000</td> <td>664668</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647334	650000	664668	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.47	20.47	20.24	21.0	0.0			
	Channel <td>647334</td> <td>650000</td> <td>664668</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647334	650000	664668	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3705.01	3840	3972.01					
15	Channel <td>647000</td> <td>650000</td> <td>665000</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647000	650000	665000	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.49	20.49	20.23	21.0	0.0			
	Channel <td>647000</td> <td>650000</td> <td>665000</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			647000	650000	665000	Tune-up limit (dBm)	MPR			
	Frequency (MHz)			3700	3840	3975					
10	Channel <td>646768</td> <td>650000</td> <td>664834</td> <td>Tune-up limit (dBm)</td> <td colspan="2">MPR</td>			646768	650000	664834	Tune-up limit (dBm)	MPR			
	QPSK	1	1	20.47	20.46	20.25	21.0	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				650000	650000	650000		
Frequency (MHz)				3350	3400	3400		
100	Pi/2 BPSK	1	1	19.90	19.95	19.81	21.0	0.0
100	Pi/2 BPSK	1	137	20.70	20.81	20.75		
100	Pi/2 BPSK	1	271	19.89	19.79	19.75		
100	Pi/2 BPSK	135	0	20.59	20.71	20.64		
100	Pi/2 BPSK	135	69	20.70	20.76	20.66	21.0	0.0
100	Pi/2 BPSK	135	138	20.56	20.62	20.51	21.0	0.0
100	Pi/2 BPSK	270	0	20.58	20.70	20.60		
100	QPSK	1	1	19.97	20.02	19.79	21.0	0.0
100	QPSK	1	137	20.81	20.87	20.65		
100	QPSK	1	271	19.72	19.84	19.69		
100	QPSK	135	0	20.83	20.77	20.65		
100	QPSK	135	69	20.75	20.82	20.76	21.0	0.0
100	QPSK	135	138	20.83	20.87	20.61	21.0	0.0
100	QPSK	270	0	20.89	20.74	20.56		
100	16QAM	1	1	19.70	19.79	19.66	21.0	0.0
100	64QAM	1	1	19.82	19.75	19.66	21.0	0.0
100	256QAM	1	1	19.31	18.43	18.30	19.5	1.5
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.74	20.75	20.52	21.0	0.0
Channel				649334	650000	660368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.69	20.81	20.60	21.0	0.0
Channel				648000	650000	660300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3940.01	(dBm)	(dB)
70	QPSK	1	1	20.72	20.82	20.56	21.0	0.0
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3940.01	(dBm)	(dB)
60	QPSK	1	1	20.77	20.79	20.52	21.0	0.0
Channel				648334	650000	660368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.71	20.62	20.51	21.0	0.0
Channel				648000	650000	660300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.74	20.80	20.53	21.0	0.0
Channel				647668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.68	20.77	20.55	21.0	0.0
Channel				647334	650000	660368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.71	20.80	20.53	21.0	0.0
Channel				647000	650000	660300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.73	20.76	20.55	21.0	0.0
Channel				646334	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.67	20.79	20.53	21.0	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				630334				
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	19.16			21.0	0.0
100	Pi/2 BPSK	1	137	20.23				
100	Pi/2 BPSK	1	271	19.77				
100	Pi/2 BPSK	135	0	19.96				
100	Pi/2 BPSK	135	69	20.15			21.0	0.0
100	Pi/2 BPSK	135	138	20.09			21.0	0.0
100	Pi/2 BPSK	270	0	20.17				
100	QPSK	1	1	19.23			21.0	0.0
100	QPSK	1	137	20.30				
100	QPSK	1	271	19.84				
100	QPSK	135	0	19.88				
100	QPSK	135	69	20.22			21.0	0.0
100	QPSK	135	138	20.05			21.0	0.0
100	QPSK	270	0	20.16				
100	16QAM	1	1	19.01			21.0	0.0
100	64QAM	1	1	18.95			21.0	0.0
100	256QAM	1	1	18.59			19.5	1.5
Channel				630000	630334	630668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.11	20.20	20.02	21.0	0.0
Channel				630668	630334	630000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.18	20.27	20.06	21.0	0.0
Channel				630334	630334	630334	Tune-up limit	MPR
Frequency (MHz)				3486.01	3500.01	3500.02	(dBm)	(dB)
70	QPSK	1	1	20.09	20.21	20.03	21.0	0.0
Channel				630000	630334	630668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	20.18	20.23	20.02	21.0	0.0
Channel				631668	630334	630000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.13	20.17	20.02	21.0	0.0
Channel				631334	630334	630334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.08	20.19	20.07	21.0	0.0
Channel				631000	630334	630668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.14	20.21	20.06	21.0	0.0
Channel				630668	630334	630000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.19	20.26	20.05	21.0	0.0
Channel				630300	630334	630668	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.17	20.18	20.03	21.0	0.0
Channel				630334	630334	630334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.14	20.16	20.10	21.0	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				630334				
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	18.61			21.0	0.0
100	Pi/2 BPSK	1	137	20.59				
100	Pi/2 BPSK	1	271	20.15				
100	Pi/2 BPSK	135	0	20.38				
100	Pi/2 BPSK	135	69	20.58			21.0	0.0
100	Pi/2 BPSK	135	138	20.44			21.0	0.0
100	Pi/2 BPSK	270	0	20.63				
100	QPSK	1	1	19.87			21.0	0.0
100	QPSK	1	137	20.66				
100	QPSK	1	271	20.17				
100	QPSK	135	0	20.33				
100	QPSK	135	69	20.60			21.0	0.0
100	QPSK	135	138	20.49			21.0	0.0
100	QPSK	270	0	20.53				
100	16QAM	1	1	19.42			21.0	0.0
100	64QAM	1	1	19.37			21.0	0.0
100	256QAM	1	1	18.98			19.5	1.5
Channel				630000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.37	20.45	20.28	21.0	0.0
Channel				630668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.37	20.47	20.32	21.0	0.0
Channel				630334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486.01	3500.01	3510.01	(dBm)	(dB)
70	QPSK	1	1	20.34	20.45	20.32	21.0	0.0
Channel				630000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	20.36	20.48	20.25	21.0	0.0
Channel				631668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.47	20.44	20.32	21.0	0.0
Channel				631334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.44	20.47	20.26	21.0	0.0
Channel				631000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.45	20.49	20.38	21.0	0.0
Channel				630668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.47	20.54	20.37	21.0	0.0
Channel				630500	630334	630168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.49	20.53	20.33	21.0	0.0
Channel				630334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.35	20.47	20.36	21.0	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				650000	650000	650000	3760		
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		19.43		21.0	0.0	
100	Pi/2 BPSK	1	137		20.36				
100	Pi/2 BPSK	1	271		19.30		21.0	0.0	
100	Pi/2 BPSK	135	0		20.16				
100	Pi/2 BPSK	135	69		20.36		21.0	0.0	
100	Pi/2 BPSK	135	136		20.26				
100	Pi/2 BPSK	270	0		20.26		21.0	0.0	
100	QPSK	1	1		19.43				
100	QPSK	1	137		20.36		21.0	0.0	
100	QPSK	1	271		19.36				
100	QPSK	135	0		20.28		21.0	0.0	
100	QPSK	135	69		20.31				
100	QPSK	135	136		20.24		21.0	0.0	
100	QPSK	270	0		20.31				
100	16QAM	1	1		19.25		21.0	0.0	
100	64QAM	1	1		19.20				
100	256QAM	1	1		18.82		19.5	1.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.25	20.31	20.14	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.16	20.28	20.12	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
70	QPSK	1	1		20.23	20.23	20.12	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
60	QPSK	1	1		20.22	20.23	20.12	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.27	20.21	20.19	21.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.28	20.20	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.02	3750	3768.01	21.0	0.0	
30	QPSK	1	1		20.25	20.19	20.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0	
20	QPSK	1	1		20.22	20.21	20.15	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.51	21.0	0.0	
15	QPSK	1	1		20.24	20.29	20.13	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.24	20.23	20.20	21.0	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				650000	650000	650000	3760		
Frequency (MHz)									
100	Pi/2 BPSK	1	1		19.82		21.0	0.0	
100	Pi/2 BPSK	1	137		20.68				
100	Pi/2 BPSK	1	271		19.64		21.0	0.0	
100	Pi/2 BPSK	135	0		20.58				
100	Pi/2 BPSK	135	69		20.64		21.0	0.0	
100	Pi/2 BPSK	135	138		20.49				
100	Pi/2 BPSK	270	0		20.62		21.0	0.0	
100	QPSK	1	1		19.76				
100	QPSK	1	137		20.82		21.0	0.0	
100	QPSK	1	271		19.71				
100	QPSK	135	0		20.64		21.0	0.0	
100	QPSK	135	69		20.68				
100	QPSK	135	138		20.56		21.0	0.0	
100	QPSK	270	0		20.59				
100	16QAM	1	1		19.63		21.0	0.0	
100	64QAM	1	1		19.66				
100	256QAM	1	1		19.57		19.5	1.5	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.58	20.48	20.53	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.55	20.54	20.55	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
70	QPSK	1	1		20.55	20.50	20.52	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
60	QPSK	1	1		20.49	20.59	20.43	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.54	20.59	20.49	21.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.48	20.52	20.49	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.02	3750	3768.01	21.0	0.0	
30	QPSK	1	1		20.53	20.61	20.55	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0	
20	QPSK	1	1		20.58	20.49	20.51	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3762.51	21.0	0.0	
15	QPSK	1	1		20.48	20.52	20.46	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.51	20.61	20.44	21.0	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					633334		3600.01		
Frequency (MHz)									
100	Pi/2 BPSK	1	1		19.82		21.0	0.0	
100	Pi/2 BPSK	1	137		20.03				
100	Pi/2 BPSK	1	271		19.68		21.0	0.0	
100	Pi/2 BPSK	135	0		19.43				
100	Pi/2 BPSK	135	69		19.89		21.0	0.0	
100	Pi/2 BPSK	135	138		19.83				
100	Pi/2 BPSK	270	0		19.91		21.0	0.0	
100	QPSK	1	1		19.87				
100	QPSK	1	137		20.08		21.0	0.0	
100	QPSK	1	271		19.73				
100	QPSK	135	0		19.49		21.0	0.0	
100	QPSK	135	69		19.54				
100	QPSK	135	138		19.82		21.0	0.0	
100	QPSK	270	0		19.89				
100	16QAM	1	1		18.68		21.0	0.0	
100	64QAM	1	1		18.62				
100	256QAM	1	1		18.53		19.5	1.5	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3695	3690.01	3696.02	21.0	0.0	
90	QPSK	1	1		19.98	19.95	19.87	21.0	0.0
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3690.02	3690.01	3691.00	21.0	0.0	
80	QPSK	1	1		19.93	19.98	19.85	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3685.01	3690.01	3691.01	21.0	0.0	
70	QPSK	1	1		19.95	19.99	19.84	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3680.00	3690.01	3691.02	21.0	0.0	
60	QPSK	1	1		19.91	20.03	19.95	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3675.02	3690.01	3695.00	21.0	0.0	
50	QPSK	1	1		19.91	20.04	19.88	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3670.01	3690.01	3691.01	21.0	0.0	
40	QPSK	1	1		19.99	20.01	19.91	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.00	3690.01	3691.02	21.0	0.0	
30	QPSK	1	1		19.89	19.96	19.85	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.02	3690.01	3691.00	21.0	0.0	
20	QPSK	1	1		19.86	19.91	19.86	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.50	3690.01	3692.52	21.0	0.0	
15	QPSK	1	1		19.97	20.01	19.84	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655.01	3690.01	3691.01	21.0	0.0	
10	QPSK	1	1		19.94	19.93	19.89	21.0	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				633334			21.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	19.16			21.0	0.0
100	PI2 BPSK	1	137	20.36				
100	PI2 BPSK	1	271	20.00			21.0	0.0
100	PI2 BPSK	135	0	19.66				
100	PI2 BPSK	135	69	20.14			21.0	0.0
100	PI2 BPSK	135	138	20.07				
100	PI2 BPSK	270	0	20.24			21.0	0.0
100	QPSK	1	1	19.22				
100	QPSK	1	137	20.41			21.0	0.0
100	QPSK	1	271	20.04				
100	QPSK	135	0	19.77			21.0	0.0
100	QPSK	135	69	20.16				
100	QPSK	135	138	20.17			21.0	0.0
100	QPSK	270	0	20.20				
100	16QAM	1	1	20.00			21.0	0.0
100	64QAM	1	1	18.97				
100	256QAM	1	1	18.34			19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3505.02		
90	QPSK	1	1	20.13	20.16	20.11	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3510		
80	QPSK	1	1	20.22	20.09	20.08	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3483.01	3500.01	3515.01		
70	QPSK	1	1	20.17	20.19	20.05	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3525.02		
60	QPSK	1	1	20.15	20.16	20.08	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.18	20.16	20.07	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.12	20.16	20.07	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.13	20.21	20.00	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.13	20.21	20.02	21.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500.01	3542.52		
15	QPSK	1	1	20.20	20.19	20.02	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3458.01	3500.01	3545.01		
10	QPSK	1	1	20.21	20.13	20.02	21.0	0.0

n2 Ant4								
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				375000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	Pl2 BPSK	1	1	22.01	22.12	22.02		
30	Pl2 BPSK	1	80	21.89	21.93	21.82	23.0	0.0
30	Pl2 BPSK	1	158	21.78	21.91	21.78		
30	Pl2 BPSK	80	0	21.49	21.59	21.56	22.5	0.5
30	Pl2 BPSK	80	40	22.07	22.11	21.97	23.0	0.0
30	Pl2 BPSK	80	80	21.48	21.57	21.47	22.5	0.5
30	Pl2 BPSK	160	0	21.47	21.62	21.49		
30	QPSK	1	1	22.11	22.17	22.13		
30	QPSK	1	80	21.83	21.97	21.91	23.0	0.0
30	QPSK	1	158	21.81	21.88	21.84		
30	QPSK	80	0	21.17	21.27	21.23	22.0	1.0
30	QPSK	80	40	22.06	22.14	22.11	23.0	0.0
30	QPSK	80	80	21.15	21.23	21.19	22.0	1.0
30	QPSK	160	0	21.15	21.25	21.24		
30	16QAM	1	1	20.72	20.77	20.65	22.0	1.0
30	64QAM	1	1	19.15	19.29	19.19	20.5	2.5
30	256QAM	1	1	17.80	17.87	17.73	18.5	4.5
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1897.5		
25	QPSK	1	1	21.87	22.07	21.96	23.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	21.88	21.95	21.98	23.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1877.5	1880	1922.5		
15	QPSK	1	1	21.99	22.07	22.00	23.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	22.09	22.10	22.06	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1907.5		
5	QPSK	1	1	22.06	22.03	22.03	23.0	0.0

n5 Ant4								
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					167500			
Frequency (MHz)					836.5			
25	Pl2 BPSK	1	1		22.84			
25	Pl2 BPSK	1	87		22.57		24.0	0.0
25	Pl2 BPSK	1	131		22.51			
25	Pl2 BPSK	64	0		22.29		23.5	0.5
25	Pl2 BPSK	64	35		22.80		24.0	0.0
25	Pl2 BPSK	64	89		22.24		23.5	0.5
25	Pl2 BPSK	128	0		22.32			
25	QPSK	1	1		22.90			
25	QPSK	1	87		22.64		24.0	0.0
25	QPSK	1	131		22.53			
25	QPSK	64	0		21.78		23.0	1.0
25	QPSK	64	35		22.82		24.0	0.0
25	QPSK	64	89		21.73		23.0	1.0
25	QPSK	128	0		21.75			
25	16QAM	1	1		21.28		23.0	1.0
25	64QAM	1	1		19.95		21.5	2.5
25	256QAM	1	1		18.92		19.5	4.5
Channel				169000	167500	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.74	22.78	22.68	0.0	0.0
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	845.5	841.5		
15	QPSK	1	1	22.75	22.78	22.65	24.0	0.0
Channel				165800	167500	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	845.5	844		
10	QPSK	1	1	22.98	22.83	22.96	24.0	0.0
Channel				165300	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.80	22.66	24.0	0.0

n12 Ant4								
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				141500	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	Pl2 BPSK	1	1	22.83	22.92	22.86		
15	Pl2 BPSK	1	40	22.78	22.86	22.75	24.0	0.0
15	Pl2 BPSK	1	77	22.76	22.80	22.68		
15	Pl2 BPSK	36	0	22.82	22.68	22.58	23.5	0.5
15	Pl2 BPSK	36	22	22.78	22.99	22.77	24.0	0.0
15	Pl2 BPSK	36	43	22.47	22.82	22.55	23.5	0.5
15	Pl2 BPSK	75	0	22.60	22.66	22.58		
15	QPSK	1	1	22.90	22.97	22.86		
15	QPSK	1	40	22.87	22.93	22.80	24.0	0.0
15	QPSK	1	77	22.73	22.84	22.71		
15	QPSK	36	0	22.15	22.19	22.12	23.0	1.0
15	QPSK	36	22	22.83	22.92	22.87	24.0	0.0
15	QPSK	36	43	22.10	22.14	22.00	23.0	1.0
15	QPSK	75	0	22.10	22.15	22.14		
15	16QAM	1	1	21.72	21.82	21.76	23.0	1.0
15	64QAM	1	1	20.20	20.31	20.20	21.5	2.5
15	256QAM	1	1	18.78	18.93	18.80	19.5	4.5
Channel				140500	141500	142500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.78	22.93	22.80	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	22.88	22.75	24.0	0.0

n14 Ant4								
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				793				
Frequency (MHz)				793				
10	PI2 BPSK	1	1	22.46			24.0	0.0
10	PI2 BPSK	1	26	22.51				
10	PI2 BPSK	1	50	22.48				
10	PI2 BPSK	25	0	22.11			23.5	0.5
10	PI2 BPSK	25	14	22.32			24.0	0.0
10	PI2 BPSK	25	27	21.99			23.5	0.5
10	PI2 BPSK	50	0	22.06				
10	QPSK	1	1	22.61			24.0	0.0
10	QPSK	1	26	22.54				
10	QPSK	1	50	22.50				
10	QPSK	25	0	21.66			23.0	1.0
10	QPSK	25	14	22.57			24.0	0.0
10	QPSK	25	27	21.61			23.0	1.0
10	QPSK	50	0	21.65			23.0	1.0
10	16QAM	1	1	21.44				
10	64QAM	1	1	19.87				
10	256QAM	1	1	18.45			19.5	4.5
Channel				158100	159100		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.50	22.58	22.41	24.0	0.0

n25 Ant4								
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				374500	376500	378500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	21.30	21.37	21.28	23.0	0.0
45	PI2 BPSK	1	61	21.98	22.01	21.94		
45	PI2 BPSK	1	121	21.24	21.35	21.24		
45	PI2 BPSK	121	0	21.25	21.31	21.20	22.5	0.5
45	PI2 BPSK	121	61	21.94	21.98	21.91	23.0	0.0
45	PI2 BPSK	121	121	21.26	21.36	21.24	22.5	0.5
45	PI2 BPSK	242	0	21.39	21.43	21.40		
45	QPSK	1	1	21.27	21.41	21.31	23.0	0.0
45	QPSK	1	61	21.99	22.02	21.92		
45	QPSK	1	121	21.31	21.39	21.25		
45	QPSK	121	0	20.94	21.02	20.94	22.0	1.0
45	QPSK	121	61	21.95	22.00	21.92	23.0	0.0
45	QPSK	121	121	20.89	20.98	20.83	22.0	1.0
45	QPSK	242	0	21.01	21.04	20.97	22.0	1.0
45	16QAM	1	1	20.23	20.27	20.16		
45	64QAM	1	1	18.73	18.84	18.69		
45	256QAM	1	1	17.23	17.44	17.29	18.5	4.5
Channel				374500	376500	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	21.55	22.01	22.01	0.0	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.90	21.92	21.88	23.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1866	1882.5	1903		
30	QPSK	1	1	21.90	21.97	21.83	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.84	22.03	21.89	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.90	21.98	21.87	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860.5	1882.5	1907.5		
15	QPSK	1	1	21.86	22.01	21.89	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1859	1882.5	1910		
10	QPSK	1	1	21.86	21.94	21.85	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1912.5		
5	QPSK	1	1	21.84	22.00	21.86	23.0	0.0

n26 Ant4								
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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.78	22.83	22.71	24.0	0.0
20	PI2 BPSK	1	53	22.63	22.75	22.63		
20	PI2 BPSK	1	104	22.68	22.63	22.56		
20	PI2 BPSK	50	0	22.35	22.39	22.28	23.5	0.5
20	PI2 BPSK	50	25	22.69	22.80	22.71	24.0	0.0
20	PI2 BPSK	50	56	22.23	22.33	22.26	23.5	0.5
20	PI2 BPSK	100	0	22.28	22.38	22.34		
20	QPSK	1	1	22.85	22.88	22.79	24.0	0.0
20	QPSK	1	53	22.72	22.81	22.70		
20	QPSK	1	104	22.80	22.72	22.61		
20	QPSK	50	0	21.84	21.87	21.77	23.0	1.0
20	QPSK	50	25	22.80	22.84	22.77	24.0	0.0
20	QPSK	50	56	21.75	21.82	21.79	23.0	1.0
20	QPSK	100	0	21.77	21.85	21.81	23.0	1.0
20	16QAM	1	1	21.29	21.42	21.32		
20	64QAM	1	1	19.97	20.04	19.94		
20	256QAM	1	1	18.51	18.62	18.59	19.5	4.5
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.73	22.85	22.79	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	22.75	22.77	22.68	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	840.5		
5	QPSK	1	1	22.80	22.83	22.75	24.0	0.0

n66 Ant4								
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				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PQ2 BPSK	1	1	21.16	21.18	21.11		
45	PQ2 BPSK	1	61	21.71	21.77	21.64	23.0	0.0
45	PQ2 BPSK	1	121	21.03	21.08	21.01		
45	PQ2 BPSK	121	0	21.44	21.58	21.45	22.5	0.5
45	PQ2 BPSK	121	61	21.63	21.71	21.66	23.0	0.0
45	PQ2 BPSK	121	121	21.31	21.42	21.35		
45	PQ2 BPSK	242	0	21.34	21.45	21.41	22.5	0.5
45	QPSK	1	1	21.17	21.23	21.12		
45	QPSK	1	61	21.76	21.82	21.72	23.0	0.0
45	QPSK	1	121	21.02	21.10	21.03		
45	QPSK	121	0	20.92	21.01	20.96	22.0	1.0
45	QPSK	121	61	21.68	21.75	21.70	23.0	0.0
45	QPSK	121	121	20.80	20.91	20.86	22.0	1.0
45	QPSK	242	0	20.93	20.99	20.89		
45	16QAM	1	1	20.07	20.11	20.02	22.0	1.0
45	64QAM	1	1	18.57	18.68	18.56	20.5	2.5
45	256QAM	1	1	17.26	17.33	17.20	18.5	4.5
Channel				347500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	21.73	21.72	21.60	23.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
35	QPSK	1	1	21.73	21.72	21.60	21.5	1.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1721	1745	1769		
30	QPSK	1	1	21.69	21.74	21.57	23.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.72	21.77	21.59	23.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.70	21.68	21.67	23.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.67	21.73	21.65	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.63	21.69	21.67	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.63	21.76	21.67	23.0	0.0

n70 Ant4								
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				346500	349000			
Frequency (MHz)				1702.5				
15	PQ2 BPSK	1	1	21.84				
15	PQ2 BPSK	1	40	21.71			23.0	0.0
15	PQ2 BPSK	1	77	21.68				
15	PQ2 BPSK	36	0	21.34			22.5	0.5
15	PQ2 BPSK	36	22	21.70			23.0	0.0
15	PQ2 BPSK	36	43	21.36				
15	PQ2 BPSK	75	0	21.44			22.5	0.5
15	QPSK	1	1	21.67				
15	QPSK	1	40	21.79			23.0	0.0
15	QPSK	1	77	21.75				
15	QPSK	36	0	21.03			22.0	1.0
15	QPSK	36	22	21.81			23.0	0.0
15	QPSK	36	43	21.08			22.0	1.0
15	QPSK	75	0	21.15				
15	16QAM	1	1	20.57			22.0	1.0
15	64QAM	1	1	19.08			20.5	2.5
15	256QAM	1	1	17.65			18.5	4.5
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.69	21.79	21.64	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.70	21.82	21.72	23.0	0.0

n71 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PQ2 BPSK	1	1	23.10	23.19	23.07		
20	PQ2 BPSK	1	53	22.93	23.01	22.88	24.0	0.0
20	PQ2 BPSK	1	104	22.74	22.87	22.78		
20	PQ2 BPSK	50	0	22.54	22.68	22.60	23.5	0.5
20	PQ2 BPSK	50	25	23.12	23.16	23.13	24.0	0.0
20	PQ2 BPSK	50	56	22.59	22.62	22.58		
20	PQ2 BPSK	100	0	22.55	22.66	22.61	23.5	0.5
20	QPSK	1	1	23.23	23.26	23.18		
20	QPSK	1	53	23.09	23.08	22.93	24.0	0.0
20	QPSK	1	104	22.75	22.83	22.84		
20	QPSK	50	0	22.03	22.15	22.05	23.0	1.0
20	QPSK	50	25	23.19	23.22	23.15	24.0	0.0
20	QPSK	50	56	21.91	22.05	22.01		
20	QPSK	100	0	22.05	22.11	22.02	23.0	1.0
20	16QAM	1	1	21.70	21.77	21.67	23.0	1.0
20	64QAM	1	1	20.16	20.23	20.11	21.5	2.5
20	256QAM	1	1	18.75	18.83	18.70	18.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				676.5	680.5	680.5		
15	QPSK	1	1	23.09	23.13	23.11	24.0	0.0
Channel				133950	136100	138050	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				684	680.5	688		
10	QPSK	1	1	23.08	23.21	23.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				680.5	680.5	680.5		
5	QPSK	1	1	23.10	23.15	23.14	24.0	0.0

n41 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.25	19.38	19.26			
100	PI/2 BPSK	1	137	20.68	20.72	20.57			
100	PI/2 BPSK	1	271	19.81	19.89	19.82	21.0	0.0	
100	PI/2 BPSK	135	0	20.38	20.51	20.41			
100	PI/2 BPSK	135	69	20.66	20.77	20.73			
100	PI/2 BPSK	135	138	20.56	20.66	20.59			
100	PI/2 BPSK	270	0	20.68	20.73	20.58	21.0	0.0	
100	QPSK	1	1	19.12	19.43	20.02			
100	QPSK	1	137	20.32	20.83	20.54			
100	QPSK	1	271	19.79	19.93	19.81			
100	QPSK	135	0	20.52	20.59	20.54	21.0	0.0	
100	QPSK	135	69	20.26	20.78	20.49			
100	QPSK	135	138	20.60	20.65	20.52			
100	QPSK	270	0	19.99	20.71	20.45			
100	16QAM	1	1	19.17	19.23	19.20	21.0	0.0	
100	64QAM	1	1	19.11	19.17	19.13			
100	256QAM	1	1	18.28	18.32	18.21			
Channel				508200	518598	528996	21.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.22	20.70	20.43		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	20.24	20.75	20.44	21.0	0.0	
Channel				508202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.20	20.73	20.46		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.29	20.74	20.49	21.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.27	20.70	20.50		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.24	20.73	20.48	21.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.18	20.78	20.46		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.21	20.71	20.51	21.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.23	20.70	20.49		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.27	20.79	20.42		0.0	

n41 Ant4 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.74	21.82	21.69			
100	PI/2 BPSK	1	137	23.18	23.21	23.10			
100	PI/2 BPSK	1	271	22.28	22.41	22.32	23.5	0.5	
100	PI/2 BPSK	135	0	22.20	22.27	22.16			
100	PI/2 BPSK	135	69	22.98	23.04	22.97			
100	PI/2 BPSK	135	138	22.34	22.43	22.32			
100	PI/2 BPSK	270	0	22.54	22.67	22.59	24.0	0.0	
100	QPSK	1	1	21.54	21.80	21.88			
100	QPSK	1	137	22.77	23.29	23.11			
100	QPSK	1	271	22.37	22.50	22.45			
100	QPSK	135	0	21.81	21.85	21.78	23.0	1.0	
100	QPSK	135	69	22.72	23.23	23.07			
100	QPSK	135	138	21.92	22.06	22.03			
100	QPSK	270	0	21.69	22.28	22.23			
100	16QAM	1	1	20.91	20.98	20.88	23.0	1.0	
100	64QAM	1	1	19.47	19.52	19.45			
100	256QAM	1	1	17.58	17.66	17.55			
Channel				508200	518598	528996	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.68	23.14	23.03		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	22.72	23.20	23.05	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.84	23.17	23.08		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.70	23.25	23.05	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.64	23.18	22.99		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.65	23.23	23.07	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.69	23.14	23.03		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.74	23.26	22.96	24.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.63	23.18	23.06		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.62	23.24	23.00		0.0	

n48 Ant5 Part96									
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				636000	641666	646332			
Frequency (MHz)				320	362.499	367.98			
40	Pi2 BPSK	1	1	21.41	21.54	21.43			
40	Pi2 BPSK	1	53	21.40	21.47	21.45	23.0	0.0	
40	Pi2 BPSK	1	104	21.42	21.52	21.39			
40	Pi2 BPSK	50	0	20.58	20.66	20.61	22.5	0.5	
40	Pi2 BPSK	50	26	21.41	22.01	21.45	23.0	0.0	
40	Pi2 BPSK	50	96	21.31	21.67	21.47	22.5	0.5	
40	Pi2 BPSK	100	0	20.70	20.85	20.59			
40	QPSK	1	1	21.46	21.53	21.41			
40	QPSK	1	53	21.37	21.56	21.38	23.0	0.0	
40	QPSK	1	104	21.36	21.49	21.32			
40	QPSK	50	0	20.50	20.63	20.43	22.0	1.0	
40	QPSK	50	26	21.45	22.03	21.46	23.0	0.0	
40	QPSK	50	96	21.33	21.67	21.45	22.0	1.0	
40	QPSK	100	0	20.56	20.80	20.58			
40	16QAM	1	1	20.50	20.57	20.55	22.0	1.0	
40	64QAM	1	1	19.31	19.49	19.33	20.5	2.5	
40	256QAM	1	1	18.46	18.49	18.47	18.5	4.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	21.46	21.44	21.40	23.0	0.0	
Channel				637168	641666	646180	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3652.52	3624.98	3662.48			
15	QPSK	1	1	21.41	21.50	21.35	23.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3664.98			
10	QPSK	1	1	21.37	21.59	21.38	23.0	0.0	

15.08

Part270 n77 Ant5									
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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	22.04	22.07	21.92			
100	Pi2 BPSK	1	137	23.00	23.08	22.96	24.0	0.0	
100	Pi2 BPSK	1	271	21.86	22.01	21.95			
100	Pi2 BPSK	135	0	22.78	22.88	22.81	24.0	0.0	
100	Pi2 BPSK	135	69	23.00	23.04	22.96	24.0	0.0	
100	Pi2 BPSK	135	138	22.71	22.82	22.77	24.0	0.0	
100	Pi2 BPSK	270	0	22.83	22.90	22.78			
100	QPSK	1	1	22.19	22.12	22.04			
100	QPSK	1	137	23.10	23.15	23.06	24.0	0.0	
100	QPSK	1	271	22.00	22.06	21.92			
100	QPSK	135	0	22.83	22.93	22.86	24.0	0.0	
100	QPSK	135	69	23.05	23.08	23.01	24.0	0.0	
100	QPSK	135	138	22.80	22.89	22.77	24.0	0.0	
100	QPSK	270	0	22.89	22.97	22.92			
100	16QAM	1	1	21.84	22.09	22.05	24.0	0.0	
100	64QAM	1	1	21.91	22.05	21.93	24.0	0.0	
100	256QAM	1	1	20.82	20.95	20.86	22.5	1.5	
Channel				649688	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.99	23.05	23.00	24.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.05	23.10	22.91	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	22.97	23.01	22.93	24.0	0.0	
Channel				648968	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.05	23.07	22.95	24.0	0.0	
Channel				648334	656000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.07	23.02	22.95	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.08	23.11	22.91	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.97	23.04	22.91	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.06	23.09	22.94	24.0	0.0	
Channel				647168	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.00	23.05	23.01	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.06	23.08	22.97	24.0	0.0	

Part270 n77 Ant5 PC2									
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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	24.99	25.09	25.03			
100	Pi2 BPSK	1	137	25.96	26.01	25.97	27.0	0.0	
100	Pi2 BPSK	1	271	24.93	25.02	24.88			
100	Pi2 BPSK	135	0	25.32	25.42	25.28	26.5	0.5	
100	Pi2 BPSK	135	69	25.86	25.98	25.91	27.0	0.0	
100	Pi2 BPSK	135	138	25.29	25.34	25.20	26.5	0.5	
100	Pi2 BPSK	270	0	25.37	25.42	25.28			
100	QPSK	1	1	25.10	25.14	25.04			
100	QPSK	1	137	26.01	26.07	25.96	27.0	0.0	
100	QPSK	1	271	24.98	25.06	25.03			
100	QPSK	135	0	24.76	24.85	24.75	26.0	1.0	
100	QPSK	135	69	25.98	26.02	25.90	27.0	0.0	
100	QPSK	135	138	24.73	24.81	24.76	26.0	1.0	
100	QPSK	270	0	24.91	24.95	24.88			
100	16QAM	1	1	24.31	24.42	24.38	26.0	1.0	
100	64QAM	1	1	22.67	22.76	22.65	24.5	2.5	
100	256QAM	1	1	18.61	18.72	18.59	22.5	4.5	
Channel				648668	650000	662334			
Frequency (MHz)				3745.02	3840	3935.01			
50	QPSK	1	1	25.93	26.02	25.87	27.0	0.0	
Channel				648334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.94	25.98	25.86	27.0	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.90	25.97	25.89	27.0	0.0	
Channel				648968	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.87	26.00	25.88	27.0	0.0	
Channel				645334	650000	655968			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.87	26.03	25.84	27.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.89	25.92	25.88	27.0	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	25.90	25.95	25.88	27.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3950.02			
20	QPSK	1	1	25.88	26.01	25.90	27.0	0.0	
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3952.51			
15	QPSK	1	1	25.94	25.95	25.88	27.0	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.97	25.94	25.93	27.0	0.0	

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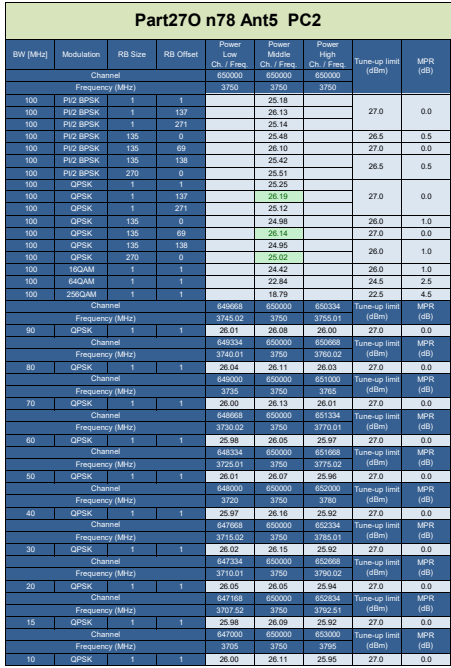
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	22.24	3500.01		24.0	0.0
100	P12 BPSK	1	137	23.16				
100	P12 BPSK	1	271	22.18				
100	P12 BPSK	135	0	23.05			24.0	0.0
100	P12 BPSK	135	69	23.11			24.0	0.0
100	P12 BPSK	135	138	22.97			24.0	0.0
100	P12 BPSK	270	0	23.00			24.0	0.0
100	QPSK	1	1	22.29				
100	QPSK	1	137	22.21				
100	QPSK	1	271	22.50				
100	QPSK	135	0	23.13			24.0	0.0
100	QPSK	135	69	23.15			24.0	0.0
100	QPSK	135	138	22.97			24.0	0.0
100	QPSK	270	0	23.02			24.0	0.0
100	16QAM	1	1	22.08			24.0	0.0
100	64QAM	1	1	22.02			24.0	0.0
100	256QAM	1	1	21.12			22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.03	23.15	23.06	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.04	23.10	23.08	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.07	23.09	23.07	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.01	23.16	23.09	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.01	23.09	23.08	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.05	23.07	23.00	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.06	23.06	23.00	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.07	23.13	23.03	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.08	22.98	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.05	23.12	23.00	24.0	0.0

Part27Q n77 Ant5 PC2

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	P12 BPSK	1	1	25.13	3500.01		27.0	0.0
100	P12 BPSK	1	137	26.06				
100	P12 BPSK	1	271	25.14				
100	P12 BPSK	135	0	25.53			26.5	0.5
100	P12 BPSK	135	69	26.02			27.0	0.0
100	P12 BPSK	135	138	25.49			26.5	0.5
100	P12 BPSK	270	0	25.55			27.0	0.0
100	QPSK	1	1	25.25				
100	QPSK	1	137	26.15				
100	QPSK	1	271	25.19				
100	QPSK	135	0	24.97			26.0	1.0
100	QPSK	135	69	26.09			27.0	0.0
100	QPSK	135	138	24.94			26.0	1.0
100	QPSK	270	0	25.01			26.0	1.0
100	16QAM	1	1	24.42			26.0	1.0
100	64QAM	1	1	22.84			24.5	2.5
100	256QAM	1	1	18.84			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.97	26.00	25.93	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.06	26.10	25.96	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.04	26.05	25.95	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.97	26.03	26.02	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.02	26.07	25.95	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.05	26.05	25.97	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.99	26.09	25.98	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.96	26.10	25.98	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.03	26.09	25.98	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.02	26.11	25.95	27.0	0.0

Part27O n78 Ant5

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	P12 BPSK	1	1	3750	3750	3750	24.0	0.0
100	P12 BPSK	1	137	22.18				
100	P12 BPSK	1	271	22.12				
100	P12 BPSK	135	0	22.98			24.0	0.0
100	P12 BPSK	135	69	23.05			24.0	0.0
100	P12 BPSK	135	138	22.91			24.0	0.0
100	P12 BPSK	270	0	22.96			24.0	0.0
100	QPSK	1	1	22.21				
100	QPSK	1	137	23.15				
100	QPSK	1	271	22.16				
100	QPSK	135	0	23.03			24.0	0.0
100	QPSK	135	69	23.10			24.0	0.0
100	QPSK	135	138	22.94			24.0	0.0
100	QPSK	270	0	22.99			24.0	0.0
100	16QAM	1	1	22.17			24.0	0.0
100	64QAM	1	1	22.12			24.0	0.0
100	256QAM	1	1	21.07			22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.01	23.07	22.98	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.95	23.04	22.99	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.01	23.09	22.99	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.96	23.08	23.03	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.99	23.01	23.04	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.05	23.06	22.97	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.01	23.11	23.05	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.01	23.04	23.00	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.98	23.02	23.04	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.94	23.11	23.00	24.0	0.0



Part27Q n78 Ant5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Qn, Pk	Power Middle Qn, Pk	Power High Qn, Pk	Time-up limit (dBm)	MPR (db)
	Channel	Frequency (MHz)			633334	633334	3600.01	
100	PQ2 BPSK	1	1	22.29	22.29			
100	PQ2 BPSK	1	137	23.26	23.26	24.0	0.0	
100	PQ2 BPSK	1	271	22.25	22.25			
100	PQ2 BPSK	135	0	23.11	23.11	24.0	0.0	
100	PQ2 BPSK	135	69	23.11	23.11	24.0	0.0	
100	PQ2 BPSK	135	135	22.98	22.98			
100	PQ2 BPSK	270	0	23.02	23.02			
100	QPSK	1	1	22.34	22.34			
100	QPSK	1	137	23.27	23.27	24.0	0.0	
100	QPSK	1	271	22.26	22.26			
100	QPSK	135	0	23.14	23.14	24.0	0.0	
100	QPSK	135	69	23.22	23.22	24.0	0.0	
100	QPSK	135	135	22.98	22.98			
100	QPSK	270	0	23.07	23.07			
100	16QAM	1	1	22.17	22.17			
100	16QAM	1	137	22.12	22.12	24.0	0.0	
100	16QAM	1	271	22.12	22.12			
100	256QAM	1	1	21.34	21.34	22.5	1.5	
	Channel	Frequency (MHz)		633000	633334	633008	Time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.17	23.19	23.20	24.0	0.0
	Channel	Frequency (MHz)		636968	633334	634000	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3490.02	3500.01	3510	24.0	0.0
	Channel	Frequency (MHz)		632533	633334	631534	Time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.08	23.12	23.15	24.0	0.0
	Channel	Frequency (MHz)		632000	633334	634968	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.18	23.22	23.13	24.0	0.0
	Channel	Frequency (MHz)		631668	633334	633000	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	24.72	3500.01	3525	24.0	0.0
	Channel	Frequency (MHz)		23.13	23.21	23.18	24.0	0.0
40	QPSK	1	1	23.13	23.13	23.13	24.0	0.0
	Channel	Frequency (MHz)		3495	3500.01	3535.02	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.15	23.22	23.11	24.0	0.0
	Channel	Frequency (MHz)		636668	633334	636000	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.13	23.17	23.12	24.0	0.0
	Channel	Frequency (MHz)		630500	633334	630168	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.13	23.05	23.15	24.0	0.0
	Channel	Frequency (MHz)		633333	633333	633333	Time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.11	23.00	23.19	24.0	0.0

Part27Q n78 Ant5 PC2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P22 BPSK	1	1	25.22	36.001			
100	P22 BPSK	1	137	26.08	36.001		27.0	0.0
100	P22 BPSK	1	271	25.05	36.001			
100	P22 BPSK	135	0	26.54	36.001		26.5	0.5
100	P22 BPSK	135	69	26.08	36.001		27.0	0.0
100	P22 BPSK	135	138	26.42	36.001			
100	P22 BPSK	270	0	25.46	36.001		26.5	0.5
100	QPSK	1	1	25.28	36.001			
100	QPSK	1	137	26.15	36.001		27.0	0.0
100	QPSK	1	271	25.26	36.001			
100	QPSK	135	0	26.58	36.001		26.0	1.0
100	QPSK	135	69	26.10	36.001		27.0	0.0
100	QPSK	135	138	24.97	36.001		26.0	1.0
100	QPSK	270	0	25.95	36.001		26.0	1.0
100	16QAM	1	1	21.48	36.001		24.5	2.5
100	64QAM	1	1	22.03	36.001		24.5	2.5
100	256QAM	1	1	18.91	36.001		22.5	4.5
Channel								
Frequency (MHz)								
60	QPSK	1	1	633000	633334	633668	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	26.04	36.001	36.001	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3490.02	3500.01	3510	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	26.01	36.001	36.001	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3725.95	3735.93	3745.91	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3485.01	3500.01	3515.01	Time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	26.02	36.001	36.001	Time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	632000	633334	634668	Time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3495.12	3500.01	3505	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	26.06	36.001	36.001	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	26.06	36.001	36.001	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3486.68	633334	635000	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3493.12	3500.01	3505	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.97	36.001	36.001	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	331334	633334	633334	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3470.01	3500.01	3500.01	Time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	26.00	36.001	36.001	Time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	631000	633334	635668	Time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3485	3500.01	3535.02	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	26.03	36.001	36.001	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	636668	633334	638000	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3490.02	3500.01	3500	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	26.07	36.001	36.001	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	635000	633334	636168	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3487.56	3500.01	3542.52	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	26.08	36.001	36.001	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	633334	633334	633334	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3485.01	3500.01	3545.01	Time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	26.01	36.001	36.001	Time-up limit (dBm)	MPR (dB)

n41 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	23.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.64	20.71	20.57			
100	PI/2 BPSK	1	137	21.79	21.87	21.77			
100	PI/2 BPSK	1	271	20.81	20.85	20.78	23.0	0.0	
100	PI/2 BPSK	135	0	21.69	21.73	21.63			
100	PI/2 BPSK	135	69	21.68	21.80	21.73			
100	PI/2 BPSK	135	138	21.62	21.68	21.55			
100	PI/2 BPSK	270	0	21.66	21.74	21.62	23.0	0.0	
100	QPSK	1	1	20.11	20.75	20.67			
100	QPSK	1	137	21.64	21.93	21.77			
100	QPSK	1	271	20.83	20.92	20.85			
100	QPSK	135	0	21.74	21.80	21.73	23.0	0.0	
100	QPSK	135	69	21.56	21.85	21.73			
100	QPSK	135	138	21.66	21.71	21.56			
100	QPSK	270	0	21.51	21.78	21.64			
100	16QAM	1	1	20.57	20.64	20.52	23.0	0.0	
100	64QAM	1	1	20.52	20.57	20.48			
100	256QAM	1	1	19.69	19.73	19.70			
100	256QAM	1	1	19.69	19.73	19.70			
Channel				508200	518598	528996	21.5	1.5	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.54	21.80	21.62		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	21.50	21.81	21.63	23.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.51	21.88	21.68		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.54	21.83	21.70	23.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.60	21.79	21.62		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.59	21.89	21.72	23.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.50	21.78	21.68		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.57	21.87	21.66	23.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.53	21.89	21.68		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.54	21.85	21.66		0.0	

19.94
21.17

n41 Ant7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	26.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.06	23.17	23.10			
100	PI/2 BPSK	1	137	24.16	24.27	24.22			
100	PI/2 BPSK	1	271	23.03	23.14	23.07	25.5	0.5	
100	PI/2 BPSK	135	0	23.58	23.71	23.62			
100	PI/2 BPSK	135	69	24.11	24.25	24.13			
100	PI/2 BPSK	135	138	23.46	23.57	23.51			
100	PI/2 BPSK	270	0	23.56	23.86	23.54	25.5	0.5	
100	QPSK	1	1	23.08	23.24	23.18			
100	QPSK	1	137	24.22	24.35	24.16			
100	QPSK	1	271	23.13	23.22	23.10			
100	QPSK	135	0	23.15	23.24	23.17	25.0	1.0	
100	QPSK	135	69	24.17	24.28	24.22			
100	QPSK	135	138	22.93	23.06	23.00			
100	QPSK	270	0	23.02	23.15	23.10			
100	16QAM	1	1	22.36	22.48	22.43	25.0	1.0	
100	64QAM	1	1	20.65	20.76	20.69			
100	256QAM	1	1	17.44	17.54	17.41			
100	256QAM	1	1	17.44	17.54	17.41			
Channel				508200	518598	528996	21.5	1.5	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.18	24.24	24.07		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	24.09	24.30	24.05	26.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	24.13	24.25	24.05		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	24.09	24.20	24.10	26.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	24.19	24.29	24.08		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.12	24.32	24.02	26.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.13	24.21	24.11		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.13	24.27	24.13	26.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	24.11	24.23	24.05		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	24.07	24.29	24.03		0.0	

Part270 n77 Ant8

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)				3750	3840	3930		
100	Pi2 BPSK	1	1	20.68	20.77	20.73		
100	Pi2 BPSK	1	137	21.84	21.87	21.77	23.0	0.0
100	Pi2 BPSK	1	271	20.77	20.83	20.76		
100	Pi2 BPSK	135	0	21.46	21.56	21.46	23.0	0.0
100	Pi2 BPSK	135	69	21.59	21.70	21.66	23.0	0.0
100	Pi2 BPSK	135	138	21.43	21.58	21.47	23.0	0.0
100	Pi2 BPSK	270	0	21.80	21.63	21.52		
100	QPSK	1	1	20.92	20.83	20.76		
100	QPSK	1	137	21.83	21.91	21.80	23.0	0.0
100	QPSK	1	271	20.93	20.90	20.87		
100	QPSK	135	0	21.50	21.63	21.57	22.0	1.0
100	QPSK	135	69	21.79	21.88	21.74	23.0	0.0
100	QPSK	135	138	21.97	21.62	21.50	22.0	1.0
100	QPSK	270	0	21.71	21.77	21.65		
100	16QAM	1	1	20.99	20.63	20.56	23.0	0.0
100	64QAM	1	1	20.92	20.56	20.49	23.0	0.0
100	256QAM	1	1	19.98	19.66	19.57	21.5	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.77	21.76	21.67	23.0	0.0
Channel								
Frequency (MHz)				648334	656000	665068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.77	21.87	21.67	23.0	0.0
Channel								
Frequency (MHz)				648000	656000	665000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.80	21.80	21.65	23.0	0.0
Channel								
Frequency (MHz)				648668	656000	665334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.80	21.85	21.67	23.0	0.0
Channel								
Frequency (MHz)				648334	656000	665000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.79	21.78	21.76	23.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.73	21.76	21.68	23.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.79	21.79	21.68	23.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.79	21.81	21.66	23.0	0.0
Channel								
Frequency (MHz)				647168	656000	664334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.78	21.86	21.66	23.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.77	21.80	21.71	23.0	0.0

Part270 n77 Ant8 PC2

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)				650000	656000	662000		
100	Pi2 BPSK	1	1	23.60	23.67	23.54		
100	Pi2 BPSK	1	137	23.91	23.95	23.84	24.5	0.0
100	Pi2 BPSK	1	271	22.90	23.02	22.98		
100	Pi2 BPSK	135	0	23.19	23.27	23.20	24.0	0.5
100	Pi2 BPSK	135	69	23.80	23.92	23.79	24.5	0.0
100	Pi2 BPSK	135	138	23.15	23.20	23.08	24.0	0.5
100	Pi2 BPSK	270	0	23.20	23.31	23.18		
100	QPSK	1	1	23.04	23.13	23.01		
100	QPSK	1	137	24.00	24.03	23.96	24.5	0.0
100	QPSK	1	271	23.00	23.08	23.01		
100	QPSK	135	0	22.72	22.85	22.74	23.5	1.0
100	QPSK	135	69	23.91	23.97	23.84	24.5	0.0
100	QPSK	135	138	22.70	22.78	22.64	23.5	1.0
100	QPSK	270	0	22.82	22.86	22.80		
100	16QAM	1	1	22.28	22.34	22.25	23.5	1.0
100	64QAM	1	1	20.88	20.91	20.82	22.0	2.5
100	256QAM	1	1	16.98	17.02	16.91	20.0	4.5
Channel								
Frequency (MHz)				649668	656000	665334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.88	23.92	23.87	24.5	0.0
Channel								
Frequency (MHz)				648334	656000	665068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.88	23.96	23.82	24.5	0.0
Channel								
Frequency (MHz)				648000	656000	665000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.88	23.89	23.81	24.5	0.0
Channel								
Frequency (MHz)				648668	656000	665334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.94	23.88	23.89	24.5	0.0
Channel								
Frequency (MHz)				648334	656000	665000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.90	23.97	23.88	24.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.96	23.88	23.87	24.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.87	23.93	23.83	24.5	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.93	23.99	23.91	24.5	0.0
Channel								
Frequency (MHz)				647168	656000	664334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.86	23.90	23.82	24.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.93	23.88	23.86	24.5	0.0

Part27Q n77 Ant8

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)					630001			
100	Pi2 BPSK	1	1		20.99			
100	Pi2 BPSK	1	137		21.92		23.0	0.0
100	Pi2 BPSK	1	271		20.87			
100	Pi2 BPSK	135	0		21.85		23.0	0.0
100	Pi2 BPSK	135	69		21.87		23.0	0.0
100	Pi2 BPSK	135	138		21.77		23.0	0.0
100	Pi2 BPSK	270	0		21.82			
100	QPSK	1	1		21.05			
100	QPSK	1	137		21.99		23.0	0.0
100	QPSK	1	271		20.94			
100	QPSK	135	0		21.88		23.0	0.0
100	QPSK	135	69		21.94		23.0	0.0
100	QPSK	135	138		21.72		23.0	0.0
100	QPSK	270	0		21.76			
100	16QAM	1	1		20.93		23.0	0.0
100	64QAM	1	1		20.85		23.0	0.0
100	256QAM	1	1		19.87		21.5	1.5
Channel								
Frequency (MHz)				633000	633534	633968	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.80	21.86	21.80	23.0	0.0
Channel								
Frequency (MHz)				632668	633534	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.84	21.90	21.79	23.0	0.0
Channel								
Frequency (MHz)				632334	633534	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.83	21.93	21.80	23.0	0.0
Channel								
Frequency (MHz)				632000	633534	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.80	21.88	21.83	23.0	0.0
Channel								
Frequency (MHz)				631668	633534	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.84	21.92	21.84	23.0	0.0
Channel								
Frequency (MHz)				631334	633534	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.81	21.91	21.83	23.0	0.0
Channel								
Frequency (MHz)				631000	633534	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.88	21.95	21.87	23.0	0.0
Channel								
Frequency (MHz)				630668	633534	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.92	21.87	21.87	23.0	0.0
Channel								
Frequency (MHz)				630334	633534	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.81	21.94	21.76	23.0	0.0
Channel								
Frequency (MHz)				630001	633534	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.85	21.84	21.79	23.0	0.0

Part27Q n77 Ant8 PC2

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	P12 BPSK	1	1	23.18	3500.01		24.5	0.0
100	P12 BPSK	1	137	24.12				
100	P12 BPSK	1	271	23.10				
100	P12 BPSK	135	0	23.49			24.0	0.5
100	P12 BPSK	135	69	24.11			24.5	0.0
100	P12 BPSK	135	138	23.40			24.0	0.5
100	P12 BPSK	270	0	23.48			24.5	0.0
100	QPSK	1	1	23.25				
100	QPSK	1	137	24.18				
100	QPSK	1	271	23.15			23.5	1.0
100	QPSK	135	0	23.01				
100	QPSK	135	69	24.13				
100	QPSK	135	138	22.58			23.5	1.0
100	QPSK	270	0	23.00			23.5	1.0
100	16QAM	1	1	22.53				
100	64QAM	1	1	20.89				
100	256QAM	1	1	16.84			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.10	24.07	24.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.03	24.13	24.01	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.03	24.11	23.97	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.03	24.09	24.07	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.10	24.12	24.00	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.05	24.05	24.03	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.01	24.06	24.05	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.06	24.09	24.00	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.12	24.05	24.01	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.01	24.14	23.95	24.5	0.0

Part27O n78 Ant8

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	P12 BPSK	1	1	23.88	3750	3750	23.0	0.0
100	P12 BPSK	1	137	21.81				
100	P12 BPSK	1	271	20.83				
100	P12 BPSK	135	0	21.67			23.0	0.0
100	P12 BPSK	135	69	21.78			23.0	0.0
100	P12 BPSK	135	138	21.63			23.0	0.0
100	P12 BPSK	270	0	21.65			23.0	0.0
100	QPSK	1	1	20.95				
100	QPSK	1	137	21.69				
100	QPSK	1	271	20.86			23.0	0.0
100	QPSK	135	0	21.74				
100	QPSK	135	69	21.85				
100	QPSK	135	138	21.67			23.0	0.0
100	QPSK	270	0	21.72			23.0	0.0
100	16QAM	1	1	20.76				
100	64QAM	1	1	20.71				
100	256QAM	1	1	19.77			21.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.76	21.82	21.81	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.75	21.86	21.76	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.69	21.74	21.60	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.66	21.80	21.75	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.78	21.77	21.76	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.67	21.75	21.73	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.69	21.78	21.73	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.73	21.81	21.71	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.72	21.82	21.72	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.80	21.70	23.0	0.0

Part27O n78 Ant8 PC2

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	P12 BPSK	1	1	23.23	3750	3750	24.5	0.0
100	P12 BPSK	1	137	24.11				
100	P12 BPSK	1	271	23.15				
100	P12 BPSK	135	0	23.35			24.0	0.5
100	P12 BPSK	135	69	24.06			24.5	0.0
100	P12 BPSK	135	138	23.32			24.0	0.5
100	P12 BPSK	270	0	23.38			24.5	0.0
100	QPSK	1	1	23.28				
100	QPSK	1	137	24.16				
100	QPSK	1	271	23.18			23.5	1.0
100	QPSK	135	0	22.94				
100	QPSK	135	69	24.11				
100	QPSK	135	138	22.88			23.5	1.0
100	QPSK	270	0	23.05			23.5	1.0
100	16QAM	1	1	22.49				
100	64QAM	1	1	21.02				
100	256QAM	1	1	16.84			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.10	24.07	24.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.02	24.06	24.00	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.04	24.09	23.99	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.04	24.08	24.02	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.09	24.12	24.06	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.08	24.03	24.01	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.03	24.08	24.02	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.05	24.01	23.97	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.08	24.07	24.03	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.00	24.04	24.00	24.5	0.0

Part27Q n78 Ant8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	21.66			
100	PI2 BPSK	1	137	21.91		23.0	0.0
100	PI2 BPSK	1	271	21.01			
100	PI2 BPSK	135	0	21.80		23.0	0.0
100	PI2 BPSK	135	69	21.80		23.0	0.0
100	PI2 BPSK	135	138	21.69		23.0	0.0
100	PI2 BPSK	270	0	21.74			
100	QPSK	1	1	21.11			
100	QPSK	1	137	21.05		23.0	0.0
100	QPSK	1	271	21.05			
100	QPSK	135	0	21.83		23.0	0.0
100	QPSK	135	69	21.92		23.0	0.0
100	QPSK	135	138	21.75		23.0	0.0
100	QPSK	270	0	21.61			
100	16QAM	1	1	20.84		23.0	0.0
100	64QAM	1	1	20.76		23.0	0.0
100	256QAM	1	1	19.95		21.5	1.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	21.82	21.91	21.86	23.0 0.0
Channel				632068	633334	634600	
Frequency (MHz)				3480.02	3500.01	3520	
80	QPSK	1	1	21.86	21.85	21.78	23.0 0.0
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	21.82	21.90	21.83	23.0 0.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	21.84	21.82	21.84	23.0 0.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	21.84	21.93	21.76	23.0 0.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	21.81	21.91	21.85	23.0 0.0
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	21.80	21.84	21.80	23.0 0.0
Channel				630500	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	21.88	21.88	21.83	23.0 0.0
Channel				630000	633334	636334	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	21.85	21.90	21.83	23.0 0.0
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	1	21.91	21.85	21.75	23.0 0.0

Part27Q n78 Ant8 PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	23.27			
100	PI2 BPSK	1	137	24.11		24.5	0.0
100	PI2 BPSK	1	271	23.25			
100	PI2 BPSK	135	0	23.50		24.0	0.5
100	PI2 BPSK	135	69	24.65		24.5	0.0
100	PI2 BPSK	135	138	23.48		24.0	0.5
100	PI2 BPSK	270	0	23.54			
100	QPSK	1	1	23.32			
100	QPSK	1	137	24.16		24.5	0.0
100	QPSK	1	271	23.27			
100	QPSK	135	0	23.19		23.5	1.0
100	QPSK	135	69	24.12		24.5	0.0
100	QPSK	135	138	22.89		23.5	1.0
100	QPSK	270	0	23.05			
100	16QAM	1	1	22.49		23.0	1.0
100	64QAM	1	1	20.97		22.0	2.5
100	256QAM	1	1	18.82		20.0	4.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	24.04	24.08	23.99	24.5 0.0
Channel				632068	633334	634000	
Frequency (MHz)				3480.02	3500.01	3515	
80	QPSK	1	1	23.85	23.88	23.82	24.5 0.0
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	23.93	23.93	23.89	24.5 0.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	23.87	23.96	23.84	24.5 0.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	23.90	23.93	23.86	24.5 0.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3528.01	
40	QPSK	1	1	23.87	23.94	23.81	24.5 0.0
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	23.87	23.99	23.87	24.5 0.0
Channel				630500	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	23.84	23.97	23.85	24.5 0.0
Channel				630000	633334	636334	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	23.86	23.95	23.81	24.5 0.0
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	1	23.91	23.85	23.84	24.5 0.0

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	PI2 BPSK	1	1	22.80	22.85	22.75			
30	PI2 BPSK	1	80	23.08	23.15	23.10	24.0	0.0	
30	PI2 BPSK	1	158	22.91	22.95	22.89			
30	PI2 BPSK	80	0	22.58	22.62	22.56	23.5	0.5	
30	PI2 BPSK	80	40	22.58	23.10	23.00	24.0	0.0	
30	PI2 BPSK	80	80	22.51	22.61	22.57	23.5	0.5	
30	PI2 BPSK	160	0	22.60	22.69	22.65			
30	QPSK	1	1	22.82	22.84	22.91			
30	QPSK	1	80	23.11	23.15	23.15	24.0	0.0	
30	QPSK	1	158	22.95	22.98	22.87			
30	QPSK	80	0	22.57	22.57	22.26	23.0	1.0	
30	QPSK	80	40	23.06	23.17	23.13	24.0	0.0	
30	QPSK	80	80	22.79	22.51	22.21	23.0	1.0	
30	QPSK	160	0	22.17	22.35	22.32			
30	16QAM	1	1	21.69	21.79	21.72	23.0	1.0	
30	64QAM	1	1	20.17	20.28	20.13	21.5	2.5	
30	256QAM	1	1	18.76	18.82	18.78	19.5	4.5	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	22.83	22.93	22.96	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	22.91	22.92	22.98	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.97	23.06	23.04	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	23.07	23.18	23.08	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.98	23.11	23.03	24.0	0.0	

ECI2 Power n5 Ant0									
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					167500				
Frequency (MHz)					836.5				
25	PI2 BPSK	1	1		22.63				
25	PI2 BPSK	1	67		22.85		24.0	0.0	
25	PI2 BPSK	1	131		22.65				
25	PI2 BPSK	64	0		22.28		23.5	0.5	
25	PI2 BPSK	64	35		22.87		24.0	0.0	
25	PI2 BPSK	64	69		22.30		23.5	0.5	
25	PI2 BPSK	128	0		22.34				
25	QPSK	1	1		22.57				
25	QPSK	1	67		22.92		24.0	0.0	
25	QPSK	1	131		22.50				
25	QPSK	64	0		21.74		23.0	1.0	
25	QPSK	64	35		22.86		24.0	0.0	
25	QPSK	64	69		21.78		23.0	1.0	
25	QPSK	128	0		21.83				
25	16QAM	1	1		21.32		23.0	1.0	
25	64QAM	1	1		20.00		21.5	2.5	
25	256QAM	1	1		18.53		19.5	4.5	
Channel				166800	167500	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	838			
20	QPSK	1	1	22.84	22.89	22.73	0.0	0.0	
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.77	22.86	22.75	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.82	22.88	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.78	22.89	22.75	24.0	0.0	

n12 Ant0									
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				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.84	22.98	22.75			
15	PI2 BPSK	1	40	22.75	22.83	22.71	24.0	0.0	
15	PI2 BPSK	1	77	22.73	22.80	22.71			
15	PI2 BPSK	36	0	22.58	22.65	22.52	23.5	0.5	
15	PI2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0	
15	PI2 BPSK	36	43	22.54	22.61	22.50	23.5	0.5	
15	PI2 BPSK	75	0	22.58	22.64	22.61			
15	QPSK	1	1	22.87	22.92	22.81			
15	QPSK	1	40	22.83	22.87	22.77	24.0	0.0	
15	QPSK	1	77	22.72	22.81	22.68			
15	QPSK	36	0	22.04	22.12	22.08	23.0	1.0	
15	QPSK	36	22	22.82	22.85	22.77	24.0	0.0	
15	QPSK	36	43	22.02	22.07	21.94	23.0	1.0	
15	QPSK	75	0	22.05	22.13	22.00			
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0	
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5	
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0	
Channel				140300	141000	142100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0	

n14 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1		22.57				
10	PI2 BPSK	1	26		22.50			24.0	0.0
10	PI2 BPSK	1	50		22.50				
10	PI2 BPSK	25	0		22.12		23.5	0.5	
10	PI2 BPSK	25	14		22.55		24.0	0.0	
10	PI2 BPSK	25	27		22.07		23.5	0.5	
10	PI2 BPSK	50	0		22.14				
10	QPSK	1	1		22.64			24.0	0.0
10	QPSK	1	26		22.58				
10	QPSK	1	50		22.55				
10	QPSK	25	0		21.73		23.0	1.0	
10	QPSK	25	14		22.60		24.0	0.0	
10	QPSK	25	27		21.66		23.0	1.0	
10	QPSK	50	0		21.78				
10	16QAM	1	1		21.36		23.0	1.0	
10	64QAM	1	1		19.91		21.5	2.5	
10	256QAM	1	1		18.43		19.5	4.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.53	793	795.5	Tune-up limit (dBm)	MPR (dB)	

n25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbfm)	MPR (db)	
Channel									
Frequency (MHz)									
45	PI2 BPSK	1	1	16.72	16.82	16.85			
45	PI2 BPSK	1	1	22.23	22.37	22.30			
45	PI2 BPSK	1	61	22.97	23.11	22.98	24.0	0.0	
45	PI2 BPSK	1	121	22.36	22.45	22.31			
45	PI2 BPSK	121	0	22.41	22.51	22.37	23.5	0.5	
45	PI2 BPSK	121	61	22.92	23.06	23.00	24.0	0.0	
45	PI2 BPSK	121	121	22.54	22.58	22.51			
45	PI2 BPSK	242	0	22.50	22.62	22.55	23.5	0.5	
45	QPSK	1	1	22.35	22.42	22.40			
45	QPSK	1	61	23.09	23.17	23.11	24.0	0.0	
45	QPSK	1	121	22.40	22.48	22.43			
45	QPSK	121	0	22.10	22.16	22.02	23.0	1.0	
45	QPSK	121	61	23.02	23.11	23.07	24.0	0.0	
45	QPSK	121	121	22.12	22.18	22.03			
45	QPSK	242	0	22.09	22.25	22.01	23.0	1.0	
45	16QAM	1	1	21.21	21.33	21.25	23.0	1.0	
45	64QAM	1	1	19.75	19.84	19.79	21.5	2.5	
45	256QAM	1	1	18.27	18.41	18.28	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.70	16.82	16.86			
Channel				317500	319500	319000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
35	QPSK	1	1	23.03	23.10	23.07	24.0	0.0	
Channel				3173000	3195000	3800000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
30	QPSK	1	1	22.99	23.09	23.03	24.0	0.0	
Channel				3172500	3195000	3805000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
25	QPSK	1	1	23.03	23.07	23.00	24.0	0.0	
Channel				3172000	3195000	3810000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
20	QPSK	1	1	22.97	23.04	23.00	24.0	0.0	
Channel				3171500	3195000	3815000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
15	QPSK	1	1	22.98	23.11	22.98	24.0	0.0	
Channel				3171000	3195000	3820000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
10	QPSK	1	1	22.95	23.04	23.07	24.0	0.0	
Channel				3169500	3195000	3825000	Tune-up limit (dbfm)	MPR (db)	
Frequency (MHz)									
5	QPSK	1	1	22.96	23.13	22.99	24.0	0.0	

n26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq 166300	Power Middle Ch./ Freq 165300	Power High Ch./ Freq 167400	Tune-up limits (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.74	22.81	22.78			
30	PI2 BPSK	1	53	22.63	22.68	22.57	24.0	0.0	
30	PI2 BPSK	1	104	22.61	22.71	22.67			
30	PI2 BPSK	50	0	22.30	22.35	22.21	23.5	0.5	
30	PI2 BPSK	50	28	22.76	22.80	22.71	24.0	0.0	
30	PI2 BPSK	50	56	22.20	22.31	22.19	23.5	0.5	
30	PI2 BPSK	100	0	22.23	22.37	22.28			
30	QPSK	1	1	22.89	22.91	22.82			
30	QPSK	1	53	22.69	22.75	22.65	24.0	0.0	
30	QPSK	1	104	22.62	22.69	22.59			
30	QPSK	50	0	21.81	21.84	21.81	23.0	1.0	
30	QPSK	50	28	22.78	22.87	22.80	24.0	0.0	
30	QPSK	50	56	21.66	21.68	21.71	23.0	1.0	
30	QPSK	100	0	21.84	21.86	21.81			
30	16QAM	1	1	21.36	21.43	21.30	23.0	1.0	
30	64QAM	1	1	19.95	20.06	19.99	21.5	2.5	
30	256QAM	1	1	18.51	18.62	18.57	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.74	22.82	22.73	24.0	0.0	
Channel				163900	165900	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.68	22.78	22.67	24.0	0.0	
Channel				163300	165300	167400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.74	22.87	22.75	24.0	0.0	

n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	22.23	22.31	22.15			
45	PI2 BPSK	1	61	22.78	22.88	22.77	24.0	0.0	
45	PI2 BPSK	1	121	22.17	22.23	22.10			
45	PI2 BPSK	121	0	22.52	22.59	22.47	23.5	0.5	
45	PI2 BPSK	121	61	22.71	22.85	22.80	24.0	0.0	
45	PI2 BPSK	121	121	22.48	22.55	22.41			
45	PI2 BPSK	242	0	22.48	22.62	22.54	23.5	0.5	
45	QPSK	1	1	22.30	22.34	22.23			
45	QPSK	1	61	22.87	22.93	22.81	24.0	0.0	
45	QPSK	1	121	22.14	22.25	22.17			
45	QPSK	121	0	21.98	22.02	21.90	23.0	1.0	
45	QPSK	121	61	22.82	22.89	22.81	24.0	0.0	
45	QPSK	121	121	21.94	22.04	21.87	23.0	1.0	
45	QPSK	242	0	21.99	22.11	22.07			
45	16QAM	1	1	21.17	21.24	21.20	23.0	1.0	
45	64QAM	1	1	19.60	19.73	19.65	21.5	2.5	
45	256QAM	1	1	18.34	18.37	18.33	19.5	4.5	
Channel				349000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.85	22.83	22.62	24.0	0.0	
Channel				349500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	22.85	22.83	22.62	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
30	QPSK	1	1	22.72	22.87	22.78	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.74	22.79	22.77	24.0	0.0	
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1770			
20	QPSK	1	1	22.82	22.88	22.78	24.0	0.0	
Channel				345500	349500	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.79	22.80	22.85	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	22.74	22.85	22.85	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.81	22.81	22.77	24.0	0.0	

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500	340500				
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	22.53					
15	PI2 BPSK	1	40		22.80		24.0	0.0	
15	PI2 BPSK	1	77		22.86				
15	PI2 BPSK	36	0		22.48		23.5	0.5	
15	PI2 BPSK	36	22		22.80		24.0	0.0	
15	PI2 BPSK	36	43		22.48		23.5	0.5	
15	PI2 BPSK	75	0		22.52				
15	QPSK	1	1		22.58				
15	QPSK	1	40		22.89		24.0	0.0	
15	QPSK	1	77		22.81				
15	QPSK	36	0		22.15		23.0	1.0	
15	QPSK	36	22		22.82		24.0	0.0	
15	QPSK	36	43		22.14		23.0	1.0	
15	QPSK	75	0		22.17				
15	16QAM	1	1		21.78		23.0	1.0	
15	64QAM	1	1		20.25		21.5	2.5	
15	256QAM	1	1		18.86		18.5	4.5	
Channel				340000	349000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.80	22.87	22.77	24.0	0.0	
Channel				340500	349000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.78	22.89	22.82	24.0	0.0	

n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	690.5	707.5			
20	PI2 BPSK	1	1	22.92	23.05	22.97			
20	PI2 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	PI2 BPSK	1	104	22.73	22.83	22.79			
20	PI2 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	PI2 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.52	22.38	23.5	0.5	
20	PI2 BPSK	100	0	22.50	22.58	22.52			
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.90	22.95	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.05	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.98	22.00	21.81	23.0	1.0	
20	QPSK	100	0	22.01	22.04	21.97			
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	18.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	690.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	690.5	693			
10	QPSK	1	1	22.93	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	690.5	695.5			
5	QPSK	1	1	22.92	23.08	22.96	24.0	0.0	



n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	23.10	23.18	23.04			
50	PI/2 BPSK	1	135	23.00	23.07	22.98			
50	PI/2 BPSK	1	268	22.83	22.86	22.82	23.5	0.5	
50	PI/2 BPSK	135	0	22.65	22.78	22.74			
50	PI/2 BPSK	135	68	23.01	23.14	23.09			
50	PI/2 BPSK	135	135	22.53	22.58	22.52			
50	PI/2 BPSK	270	0	22.51	22.66	22.61	24.0	0.0	
50	QPSK	1	1	23.17	23.23	23.12			
50	QPSK	1	135	23.06	23.11	23.00			
50	QPSK	1	268	22.73	22.82	22.70			
50	QPSK	135	0	22.20	22.23	22.08	23.0	1.0	
50	QPSK	135	68	23.12	23.16	23.05			
50	QPSK	135	135	22.04	22.09	22.01			
50	QPSK	270	0	22.08	22.13	22.01			
50	16QAM	1	1	21.78	21.84	21.72	23.0	1.0	
50	64QAM	1	1	20.25	20.37	20.22			
50	256QAM	1	1	18.89	18.92	18.84			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24.0	0.0	
40	QPSK	1	1	23.07	23.15	23.00	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.14	23.20	23.07		24.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	23.03	23.19	23.04	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.06	23.18	22.98		24.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	QPSK	1	1	23.04	23.10	23.07	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.04	23.11	23.05		24.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	QPSK	1	1	23.02	23.16	23.04	24.0	0.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n30 Ant1									
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				461500		462000	24.0	0.0	
Frequency (MHz)				2310		2310			
10	PI/2 BPSK	1	1	23.22		23.16			
10	PI/2 BPSK	1	26	23.16		23.16			
10	PI/2 BPSK	1	50	22.86		22.86	23.5	0.5	
10	PI/2 BPSK	25	0	22.79		22.79			
10	PI/2 BPSK	25	14	23.18		23.18			
10	PI/2 BPSK	25	27	22.53		22.53			
10	PI/2 BPSK	50	0	22.61		22.61	24.0	0.0	
10	QPSK	1	1	23.28		23.28			
10	QPSK	1	26	23.19		23.19			
10	QPSK	1	50	22.95		22.95			
10	QPSK	25	0	22.24		22.24	23.0	1.0	
10	QPSK	25	14	23.21		23.21			
10	QPSK	25	27	22.05		22.05			
10	QPSK	50	0	22.12		22.12			
10	16QAM	1	1	22.06		22.06	23.0	1.0	
10	64QAM	1	1	20.39		20.39			
10	256QAM	1	1	18.89		18.89			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.15	23.22	23.12	24.0	0.0	
Channel				461000	462000	463000			
Frequency (MHz)				2310	2310	2310			
Channel				461000	462000	463000			

n41 Ant1 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	21.87	21.71	21.60			
100	Pl2 BPSK	1	137	22.69	22.75	22.66	23.5	0.0	
100	Pl2 BPSK	1	271	21.53	21.59	21.60			
100	Pl2 BPSK	135	0	22.82	22.68	22.57	23.5	0.0	
100	Pl2 BPSK	135	69	22.61	22.70	22.56	23.5	0.0	
100	Pl2 BPSK	135	138	22.51	22.55	22.45	23.5	0.0	
100	Pl2 BPSK	270	0	22.87	22.67	22.53			
100	QPSK	1	1	21.51	21.80	21.84			
100	QPSK	1	137	22.65	22.82	22.59	23.5	0.0	
100	QPSK	1	271	21.55	21.66	21.58			
100	QPSK	135	0	22.84	22.71	22.64	23.5	0.0	
100	QPSK	135	69	22.84	22.72	22.53	23.5	0.0	
100	QPSK	135	138	22.44	22.54	22.51	23.5	0.0	
100	QPSK	270	0	22.47	22.82	22.39			
100	16QAM	1	1	21.54	21.59	21.62	23.5	0.0	
100	16QAM	1	1	21.51	21.55	21.51	23.5	0.0	
100	256QAM	1	1	20.56	20.66	20.61	22.0	1.5	
Channel				508000	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dB)		
90	QPSK	1	1	22.57	22.74	22.51	23.5	0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dB)		
80	QPSK	1	1	22.51	22.71	22.49	23.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2562.99	2651.99	(dB)		
70	QPSK	1	1	22.54	22.73	22.45	23.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2562.99	2659.99	(dB)		
60	QPSK	1	1	22.57	22.69	22.48	23.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2654.99	(dB)		
50	QPSK	1	1	22.58	22.70	22.51	23.5	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dB)		
40	QPSK	1	1	22.54	22.70	22.50	23.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.99	(dB)		
30	QPSK	1	1	22.55	22.72	22.49	23.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99	(dB)		
20	QPSK	1	1	22.56	22.68	22.48	23.5	0.0	
Channel				500200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dB)		
15	QPSK	1	1	22.51	22.68	22.51	23.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dB)		
10	QPSK	1	1	22.52	22.52	22.51	23.5	0.0	

n41 Ant1 PC2 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	24.65	24.65	24.57			
100	Pl2 BPSK	1	137	25.51	25.61	25.51	26.5	0.0	
100	Pl2 BPSK	1	271	24.56	24.55	24.52			
100	Pl2 BPSK	135	0	25.13	25.25	25.16	26.5	0.0	
100	Pl2 BPSK	135	69	25.48	25.56	25.51	26.5	0.0	
100	Pl2 BPSK	135	138	24.93	25.01	24.86	26.5	0.0	
100	Pl2 BPSK	270	0	24.91	25.02	24.97			
100	QPSK	1	1	24.57	24.69	24.66			
100	QPSK	1	137	25.60	25.65	25.46	26.5	0.0	
100	QPSK	1	271	24.52	24.52	24.41			
100	QPSK	135	0	24.56	24.64	24.62	26.0	0.5	
100	QPSK	135	69	26.35	26.63	26.59	26.5	0.0	
100	QPSK	135	138	24.49	24.53	24.42	26.0	0.5	
100	QPSK	270	0	24.47	24.82	24.32			
100	16QAM	1	1	23.78	23.79	23.72	26.0	0.5	
100	16QAM	1	1	22.26	22.29	22.26	24.5	2.0	
100	256QAM	1	1	18.78	18.88	18.83	22.5	4.0	
Channel				508000	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dB)		
90	QPSK	1	1	24.61	25.09	24.84	26.5	0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dB)		
80	QPSK	1	1	24.96	25.05	24.84	26.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.99	(dB)		
70	QPSK	1	1	24.96	25.06	24.80	26.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2654.99	(dB)		
60	QPSK	1	1	24.92	25.05	24.84	25.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2654.99	(dB)		
50	QPSK	1	1	24.92	25.07	24.81	26.5	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dB)		
40	QPSK	1	1	24.92	25.08	24.84	26.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.99	(dB)		
30	QPSK	1	1	24.92	25.07	24.79	26.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99	(dB)		
20	QPSK	1	1	24.94	25.04	24.80	26.5	0.0	
Channel				500200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dB)		
15	QPSK	1	1	24.96	25.04	24.83	26.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dB)		
10	QPSK	1	1	24.92	25.04	24.82	26.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3760	3840	3900			
100	Pl2 BPSK	1	1	19.12	19.22	19.17			
100	Pl2 BPSK	1	137	19.98	20.03	19.96	21.0	0.0	
100	Pl2 BPSK	1	271	19.05	19.11	19.05			
100	Pl2 BPSK	135	0	19.84	19.97	19.90	21.0	0.0	
100	Pl2 BPSK	135	69	19.94	20.04	19.98	21.0	0.0	
100	Pl2 BPSK	135	138	19.80	19.86	19.82	21.0	0.0	
100	Pl2 BPSK	270	0	19.81	19.95	19.88			
100	QPSK	1	1	19.34	19.37	19.19			
100	QPSK	1	137	20.08	20.25	20.01	21.0	0.0	
100	QPSK	1	271	19.91	19.92	19.87			
100	QPSK	135	0	19.86	20.00	19.87	21.0	0.0	
100	QPSK	135	69	20.17	20.21	19.96	21.0	0.0	
100	QPSK	135	138	19.87	19.96	19.81	21.0	0.0	
100	QPSK	270	0	19.91	20.07	19.84			
100	16QAM	1	1	19.01	19.08	18.94	21.0	0.0	
100	64QAM	1	1	18.86	19.01	18.84	21.0	0.0	
100	256QAM	1	1	18.70	19.10	18.70			
Channel				646968	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3905.01			
90	QPSK	1	1	20.03	20.34	19.97	21.0	0.0	
Channel				647334	650000	662601	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.01	20.21	19.93	21.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	20.04	20.23	19.91	21.0	0.0	
Channel				648698	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3840	3950.01			
60	QPSK	1	1	20.19	20.17	19.84	21.0	0.0	
Channel				653334	650000	663606	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.01	20.25	19.95	21.0	0.0	
Channel				647334	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.96	20.16	19.90	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	19.96	20.14	19.91	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.01	20.16	19.94	21.0	0.0	
Channel				647334	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.97	20.18	19.95	21.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3972			
10	QPSK	1	1	19.94	20.19	19.88	21.0	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				650000	656000	662000	633334	
Frequency (MHz)				3760	3840	3900		
100	Pi/2 BPSK	1	1	19.68	19.74	19.62	21.0	0.0
100	Pi/2 BPSK	1	137	20.51	20.47	20.44		
100	Pi/2 BPSK	1	271	19.51	19.60	19.52		
100	Pi/2 BPSK	135	0	20.38	20.41	20.35		
100	Pi/2 BPSK	135	69	20.46	20.52	20.48	21.0	0.0
100	Pi/2 BPSK	135	138	20.35	20.37	20.35	21.0	0.0
100	Pi/2 BPSK	270	0	20.38	20.48	20.35		
100	QPSK	1	1	19.91	19.77	19.75	21.0	0.0
100	QPSK	1	137	20.58	20.78	20.51		
100	QPSK	1	271	19.34	19.48	19.43		
100	QPSK	135	0	20.38	20.45	20.41		
100	QPSK	135	69	20.67	20.74	20.39	21.0	0.0
100	QPSK	135	138	20.44	20.52	20.25	21.0	0.0
100	QPSK	270	0	20.34	20.58	20.41		
100	16QAM	1	1	19.53	19.56	19.50	21.0	0.0
100	64QAM	1	1	19.40	19.53	19.46	21.0	0.0
100	256QAM	1	1	18.23	18.33	18.34	19.5	1.5
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3905.02	(dB)	(dB)
90	QPSK	1	1	20.35	20.45	20.27	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dB)	(dB)
80	QPSK	1	1	20.33	20.49	20.30	21.0	0.0
Channel				649000	656000	662000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735.01	3840	3945	(dB)	(dB)
70	QPSK	1	1	20.34	20.53	20.34	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3732.02	3840	3950.01	(dB)	(dB)
60	QPSK	1	1	20.39	20.53	20.35	21.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dB)	(dB)
50	QPSK	1	1	20.34	20.43	20.28	21.0	0.0
Channel				648000	656000	662000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960	(dB)	(dB)
40	QPSK	1	1	20.43	20.44	20.28	21.0	0.0
Channel				647668	656000	661334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3716.02	3840	3965.01	(dB)	(dB)
30	QPSK	1	1	20.38	20.45	20.35	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dB)	(dB)
20	QPSK	1	1	20.41	20.47	20.34	21.0	0.0
Channel				647000	656000	662000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dB)	(dB)
15	QPSK	1	1	20.40	20.52	20.29	21.0	0.0
Channel				647000	656000	662000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dB)	(dB)
10	QPSK	1	1	20.32	20.48	20.29	21.0	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				633334			3500.01	
Frequency (MHz)				3490.02				
100	Pi/2 BPSK	1	1		19.26		21.0	0.0
100	Pi/2 BPSK	1	137		20.28			
100	Pi/2 BPSK	1	271		19.41			
100	Pi/2 BPSK	135	0		20.12			
100	Pi/2 BPSK	135	69		20.24		21.0	0.0
100	Pi/2 BPSK	135	136		20.19		21.0	0.0
100	Pi/2 BPSK	270	0		20.11			
100	QPSK	1	1		19.33		21.0	0.0
100	QPSK	1	137		20.34			
100	QPSK	1	271		19.46			
100	QPSK	135	0		20.15		21.0	0.0
100	QPSK	135	69		20.29		21.0	0.0
100	QPSK	135	136		20.16		21.0	0.0
100	QPSK	270	0		20.08			
100	16QAM	1	1		19.18		21.0	0.0
100	64QAM	1	1		19.13		21.0	0.0
100	256QAM	1	1		18.21		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	
90	QPSK	1	1	20.11	20.19	20.16	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	
80	QPSK	1	1	20.13	20.24	20.17	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486	3500.01	3515.01	(dBm)	
70	QPSK	1	1	20.20	20.27	20.19	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	
60	QPSK	1	1	20.21	20.29	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	
50	QPSK	1	1	20.12	20.31	20.12	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	
40	QPSK	1	1	20.14	20.21	20.19	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02	(dBm)	
30	QPSK	1	1	20.11	20.20	20.14	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3545	(dBm)	
20	QPSK	1	1	20.14	20.26	20.19	21.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	
15	QPSK	1	1	20.14	20.29	20.18	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	
10	QPSK	1	1	20.21	20.30	20.20	21.0	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				633334			3500.01	
Frequency (MHz)				3490.02				
100	Pi/2 BPSK	1	1		19.71		21.0	0.0
100	Pi/2 BPSK	1	137		20.72			
100	Pi/2 BPSK	1	271		19.90			
100	Pi/2 BPSK	135	0		20.68			
100	Pi/2 BPSK	135	69		20.79		21.0	0.0
100	Pi/2 BPSK	135	138		20.65		21.0	0.0
100	Pi/2 BPSK	270	0		20.62			
100	QPSK	1	1		19.88		21.0	0.0
100	QPSK	1	137		20.89			
100	QPSK	1	271		19.98			
100	QPSK	135	0		20.59		21.0	0.0
100	QPSK	135	69		20.62		21.0	0.0
100	QPSK	135	138		20.64		21.0	0.0
100	QPSK	270	0		20.58			
100	16QAM	1	1		19.64		21.0	0.0
100	64QAM	1	1		19.60		21.0	0.0
100	256QAM	1	1		18.73		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dB)	(dB)
90	QPSK	1	1	20.56	20.63	20.60	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dB)	(dB)
80	QPSK	1	1	20.63	20.76	20.64	21.0	0.0
Channel				632334	633334	632334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486	3500.01	3500.02	(dB)	(dB)
70	QPSK	1	1	20.56	20.63	20.69	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02	(dB)	(dB)
60	QPSK	1	1	20.62	20.68	20.72	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dB)	(dB)
50	QPSK	1	1	20.66	20.70	20.67	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dB)	(dB)
40	QPSK	1	1	20.57	20.63	20.61	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02	(dB)	(dB)
30	QPSK	1	1	20.55	20.72	20.64	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dB)	(dB)
20	QPSK	1	1	20.58	20.62	20.67	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dB)	(dB)
15	QPSK	1	1	20.60	20.75	20.69	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dB)	(dB)
10	QPSK	1	1	20.59	20.65	20.64	21.0	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				650000		3760	21.0	0.0
Frequency (MHz)				19.37		20.31		
100	Pl2 BPSK	1	1			19.37		
100	Pl2 BPSK	1	137			20.31		
100	Pl2 BPSK	1	271			19.29		
100	Pl2 BPSK	135	0			20.14	21.0	0.0
100	Pl2 BPSK	135	69			20.31	21.0	0.0
100	Pl2 BPSK	135	138			20.09	21.0	0.0
100	Pl2 BPSK	270	0			20.03	21.0	0.0
100	QPSK	1	1			19.42	21.0	0.0
100	QPSK	1	137			20.37		
100	QPSK	1	271			19.33	21.0	0.0
100	QPSK	135	0			20.19		
100	QPSK	135	69			20.33	21.0	0.0
100	QPSK	135	138			20.14	21.0	0.0
100	QPSK	270	0			20.06	21.0	0.0
100	16QAM	1	1			19.21	21.0	0.0
100	16QAM	1	1			19.15	21.0	0.0
100	256QAM	1	1			18.27	19.5	1.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0
90	QPSK	1	1			20.29	20.82	20.21
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0
80	QPSK	1	1			20.25	20.30	20.24
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3728.02	3750	3770.01	21.0	0.0
70	QPSK	1	1			20.20	20.33	20.16
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0
60	QPSK	1	1			20.25	20.26	20.17
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0
50	QPSK	1	1			20.25	20.28	20.21
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760	21.0	0.0
40	QPSK	1	1			20.20	20.26	20.19
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01	21.0	0.0
30	QPSK	1	1			20.28	20.22	20.20
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0
20	QPSK	1	1			20.24	20.25	20.21
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51	21.0	0.0
15	QPSK	1	1			20.30	20.30	20.25
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765	21.0	0.0
10	QPSK	1	1			20.25	20.32	20.22

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000		3760	21.0	0.0
Frequency (MHz)				19.61		20.49		
100	Pl2 BPSK	1	1			19.61		
100	Pl2 BPSK	1	137			20.49		
100	Pl2 BPSK	1	271			19.55		
100	Pl2 BPSK	135	0			20.34	21.0	0.0
100	Pl2 BPSK	135	69			20.53	21.0	0.0
100	Pl2 BPSK	135	138			20.26	21.0	0.0
100	Pl2 BPSK	270	0			20.18	21.0	0.0
100	QPSK	1	1			19.62	21.0	0.0
100	QPSK	1	137			20.55		
100	QPSK	1	271			19.46	21.0	0.0
100	QPSK	135	0			20.42		
100	QPSK	135	69			20.53	21.0	0.0
100	QPSK	135	138			20.27	21.0	0.0
100	QPSK	270	0			20.26	21.0	0.0
100	16QAM	1	1			19.36	21.0	0.0
100	16QAM	1	1			19.34	21.0	0.0
100	256QAM	1	1			18.43	19.5	1.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0
90	QPSK	1	1			20.47	20.48	20.47
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0
80	QPSK	1	1			20.48	20.46	20.45
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3750	3770.01	21.0	0.0
70	QPSK	1	1			20.44	20.49	20.38
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3750	3770.01	21.0	0.0
60	QPSK	1	1			20.49	20.45	20.46
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0
50	QPSK	1	1			20.51	20.51	20.43
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760	21.0	0.0
40	QPSK	1	1			20.52	20.53	20.38
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0
30	QPSK	1	1			20.52	20.51	20.40
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0
20	QPSK	1	1			20.45	20.47	20.40
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51	21.0	0.0
15	QPSK	1	1			20.54	20.52	20.47
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765	21.0	0.0
10	QPSK	1	1			20.48	20.54	20.46

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	21.0	0.0
Frequency (MHz)				19.18		20.06		
100	Pl2 BPSK	1	1			19.18		
100	Pl2 BPSK	1	137			20.06		
100	Pl2 BPSK	1	271			19.48		
100	Pl2 BPSK	135	0			19.64	21.0	0.0
100	Pl2 BPSK	135	69			19.79	21.0	0.0
100	Pl2 BPSK	135	138			19.92	21.0	0.0
100	Pl2 BPSK	270	0			19.74	21.0	0.0
100	QPSK	1	1			19.24	21.0	0.0
100	QPSK	1	137			20.13		
100	QPSK	1	271			19.52	21.0	0.0
100	QPSK	135	0			19.69		
100	QPSK	135	69			20.04	21.0	0.0
100	QPSK	135	138			19.87	21.0	0.0
100	QPSK	270	0			19.95	21.0	0.0
100	16QAM	1	1			18.83	21.0	0.0
100	16QAM	1	1			18.79	21.0	0.0
100	256QAM	1	1			18.25	19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	21.0	0.0
90	QPSK	1	1			20.04	20.06	19.69
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510	21.0	0.0
80	QPSK	1	1			19.99	20.01	19.92
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	21.0	0.0
70	QPSK	1	1			19.96	20.07	19.87
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	21.0	0.0
60	QPSK	1	1			20.04	20.01	19.93
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0
50	QPSK	1	1			20.01	20.08	19.86
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0
40	QPSK	1	1			20.00	20.03	19.86
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.01	21.0	0.0
30	QPSK	1	1			19.99	19.98	19.86
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3550	21.0	0.0
20	QPSK	1	1			19.97	20.09	19.94
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3562.52	21.0	0.0
15	QPSK	1	1			19.96	19.99	19.93
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3565.01	21.0	0.0
10	QPSK	1	1			19.97	20.04	19.89

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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				633334			21.0	0.0
Frequency (MHz)				3600.01				
100	PI2 BPSK	1	1	19.42			21.0	0.0
100	PI2 BPSK	1	137	20.38				
100	PI2 BPSK	1	271	19.82			21.0	0.0
100	PI2 BPSK	135	0	19.97				
100	PI2 BPSK	135	69	20.11			21.0	0.0
100	PI2 BPSK	135	138	20.19				
100	PI2 BPSK	270	0	20.04			21.0	0.0
100	QPSK	1	1	19.90				
100	QPSK	1	137	20.45			21.0	0.0
100	QPSK	1	271	19.87				
100	QPSK	135	0	19.97			21.0	0.0
100	QPSK	135	69	20.35				
100	QPSK	135	138	20.20			21.0	0.0
100	QPSK	270	0	20.21				
100	16QAM	1	1	19.15			21.0	0.0
100	64QAM	1	1	18.14				
100	256QAM	1	1	18.55			19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3505.02		
90	QPSK	1	1	20.38	20.35	20.13	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3510		
80	QPSK	1	1	20.38	20.31	20.15	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.01	3500.01	3515.01		
70	QPSK	1	1	20.37	20.38	20.16	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500.01	3520.02		
60	QPSK	1	1	20.30	20.12	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.35	20.33	20.24	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.39	20.36	20.16	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02		
30	QPSK	1	1	20.33	20.37	20.23	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.12	20.17	20.25	21.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500.01	3542.52		
15	QPSK	1	1	20.32	20.42	20.25	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3458.01	3500.01	3545.01		
10	QPSK	1	1	20.29	20.39	20.17	21.0	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				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	22.27	22.35	22.23	24.0	0.0	
100	Pl2 BPSK	1	137	23.45	23.52	23.41			
100	Pl2 BPSK	1	271	22.33	22.42	22.37			
100	Pl2 BPSK	135	0	23.41	23.44	23.31			
100	Pl2 BPSK	135	69	23.38	23.48	23.38	24.0	0.0	
100	Pl2 BPSK	135	138	23.26	23.38	23.32	24.0	0.0	
100	Pl2 BPSK	270	0	23.32	23.41	23.31			
100	QPSK	1	1	22.38	22.42	22.74	24.0	0.0	
100	QPSK	1	137	23.31	23.60	23.26			
100	QPSK	1	271	22.30	22.34	22.21			
100	QPSK	135	0	23.44	23.52	23.41			
100	QPSK	135	69	23.23	23.56	23.18	24.0	0.0	
100	QPSK	135	138	23.19	23.32	23.21	24.0	0.0	
100	QPSK	270	0	23.06	23.42	23.21			
100	16QAM	1	1	22.17	22.23	22.14	24.0	0.0	
100	16QAM	1	1	22.36	22.18	22.04	24.0	0.0	
100	256QAM	1	1	21.26	21.36	21.32	22.5	1.5	
Channel				508200	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dBm)		
90	QPSK	1	1	23.25	23.50	23.19	24.0	0.0	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	23.24	23.47	23.21	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.98	(dBm)		
70	QPSK	1	1	23.20	23.48	23.23	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2669.98	(dBm)		
60	QPSK	1	1	23.27	23.56	23.16	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.98	(dBm)		
50	QPSK	1	1	23.21	23.51	23.20	24.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dBm)		
40	QPSK	1	1	23.17	23.45	23.13	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	23.19	23.53	23.13	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.98	(dBm)		
20	QPSK	1	1	23.18	23.54	23.21	24.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	23.19	23.51	23.16	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dBm)		
10	QPSK	1	1	23.27	23.48	23.13	24.0	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				506202	518598	526000			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	24.46	24.55	24.41	27.0	0.0	
100	Pl2 BPSK	1	137	25.42	25.52	25.38			
100	Pl2 BPSK	1	271	24.37	24.49	24.37			
100	Pl2 BPSK	135	0	25.11	25.14	25.00			
100	Pl2 BPSK	135	69	25.43	25.47	25.32	27.0	0.0	
100	Pl2 BPSK	135	138	24.83	24.92	24.78	26.5	0.5	
100	Pl2 BPSK	270	0	24.93	24.96	24.85			
100	QPSK	1	1	24.26	24.60	24.57	27.0	0.0	
100	QPSK	1	137	25.53	25.58	25.45			
100	QPSK	1	271	24.48	24.57	24.51			
100	QPSK	135	0	24.37	24.50	24.39	26.0	1.0	
100	QPSK	135	69	25.49	25.52	25.40	27.0	0.0	
100	QPSK	135	138	24.40	24.43	24.36	26.0	1.0	
100	QPSK	270	0	24.35	24.55	24.26			
100	16QAM	1	1	23.60	23.72	23.64	26.0	1.0	
100	64QAM	1	1	22.20	22.27	22.22	24.5	2.5	
100	256QAM	1	1	18.68	18.81	18.70	22.5	4.5	
Channel				508200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dBm)		
90	QPSK	1	1	25.48	25.51	25.31	27.0	0.0	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	25.41	25.45	25.32	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2562.99	2659.98	(dBm)		
70	QPSK	1	1	25.39	25.48	25.38	27.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516	2562.99	2669.98	(dBm)		
60	QPSK	1	1	25.46	25.50	25.33	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.98	(dBm)		
50	QPSK	1	1	25.44	25.47	25.37	27.0	0.0	
Channel				503202	518598	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670	(dBm)		
40	QPSK	1	1	25.45	25.50	25.40	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	25.46	25.45	25.36	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.98	(dBm)		
20	QPSK	1	1	25.49	25.58	25.31	27.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	25.39	25.50	25.41	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dBm)		
10	QPSK	1	1	25.44	25.53	25.32	27.0	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				650000	650000	662000			
Frequency (MHz)				3760	3840	3960			
100	Pl2 BPSK	1	1	19.59	19.63	19.48	21.0	0.0	
100	Pl2 BPSK	1	137	20.43	20.45	20.39			
100	Pl2 BPSK	1	271	19.34	19.47	19.41			
100	Pl2 BPSK	135	0	20.25	20.41	20.31			
100	Pl2 BPSK	135	69	20.38	20.48	20.34	21.0	0.0	
100	Pl2 BPSK	135	138	20.23	20.38	20.27	21.0	0.0	
100	Pl2 BPSK	270	0	20.25	20.44	20.26			
100	QPSK	1	1	19.74	19.70	19.52	21.0	0.0	
100	QPSK	1	137	20.53	20.54	20.29			
100	QPSK	1	271	19.40	19.49	19.34			
100	QPSK	135	0	20.30	20.44	20.38	21.0	0.0	
100	QPSK	135	69	20.36	20.50	20.40	21.0	0.0	
100	QPSK	135	138	20.36	20.37	20.28	21.0	0.0	
100	QPSK	270	0	20.37	20.47	20.32			
100	16QAM	1	1	19.33	19.44	19.38	21.0	0.0	
100	64QAM	1	1	19.62	19.75	19.66	21.0	0.0	
100	256QAM	1	1	18.78	18.82	18.73	19.5	1.5	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3744.02	3840	3936.01			
90	QPSK	1	1	20.43	20.48	20.28	21.0	0.0	
Channel				647433	650000	662634	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.49	20.47	20.16	21.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3732	3840	3954			
70	QPSK	1	1	20.45	20.46	20.10	21.0	0.0	
Channel				648868	650000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.32	3840	3960.01			
60	QPSK	1	1	20.48	20.40	20.24	21.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3726.01	3840	3965.02			
50	QPSK	1	1	20.52	20.45	20.18	21.0	0.0	
Channel				648168	650000	663968	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.46	20.51	20.16	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.47	20.47	20.24	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.50	20.48	20.20	21.0	0.0	
Channel				647000	650000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.49	20.49	20.23	21.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3978			
10	QPSK	1	1	20.47	20.46	20.25	21.0	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				650000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3300	3400	3400		
100	Pi/2 BPSK	1	1	19.90	19.95	19.81	21.0	0.0
100	Pi/2 BPSK	1	137	20.70	20.81	20.75		
100	Pi/2 BPSK	1	271	19.89	19.79	19.75		
100	Pi/2 BPSK	135	0	20.59	20.71	20.64		
100	Pi/2 BPSK	135	69	20.70	20.76	20.66	21.0	0.0
100	Pi/2 BPSK	135	138	20.56	20.62	20.51	21.0	0.0
100	Pi/2 BPSK	270	0	20.58	20.70	20.60		
100	QPSK	1	1	19.97	20.02	19.79	21.0	0.0
100	QPSK	1	137	20.81	20.87	20.65		
100	QPSK	1	271	19.72	19.84	19.69		
100	QPSK	135	0	20.83	20.77	20.65		
100	QPSK	135	69	20.75	20.82	20.76	21.0	0.0
100	QPSK	135	138	20.83	20.87	20.61	21.0	0.0
100	QPSK	270	0	20.89	20.74	20.56		
100	16QAM	1	1	19.70	19.79	19.66	21.0	0.0
100	64QAM	1	1	19.82	19.75	19.66	21.0	0.0
100	256QAM	1	1	19.31	18.43	18.30	19.5	1.5
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3905.01	(dBm)	(dB)
90	QPSK	1	1	20.76	20.75	20.52	21.0	0.0
Channel				649334	650000	660368	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.69	20.81	20.60	21.0	0.0
Channel				648000	650000	660000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720.02	3840	3960.01	(dBm)	(dB)
70	QPSK	1	1	20.72	20.82	20.56	21.0	0.0
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720.02	3840	3960.01	(dBm)	(dB)
60	QPSK	1	1	20.77	20.79	20.52	21.0	0.0
Channel				648334	650000	660668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3965.02	(dBm)	(dB)
50	QPSK	1	1	20.71	20.62	20.51	21.0	0.0
Channel				647000	650000	660000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.74	20.80	20.53	21.0	0.0
Channel				647668	650000	661334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.68	20.77	20.55	21.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.71	20.80	20.53	21.0	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.73	20.76	20.55	21.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.67	20.79	20.53	21.0	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				630334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	19.16			21.0	0.0
100	Pi/2 BPSK	1	137	20.23				
100	Pi/2 BPSK	1	271	19.77				
100	Pi/2 BPSK	135	0	19.98				
100	Pi/2 BPSK	135	69	20.15			21.0	0.0
100	Pi/2 BPSK	135	138	20.09			21.0	0.0
100	Pi/2 BPSK	270	0	20.17				
100	QPSK	1	1	19.23			21.0	0.0
100	QPSK	1	137	20.30				
100	QPSK	1	271	19.84				
100	QPSK	135	0	19.88				
100	QPSK	135	69	20.22			21.0	0.0
100	QPSK	135	138	20.05			21.0	0.0
100	QPSK	270	0	20.16				
100	16QAM	1	1	19.01			21.0	0.0
100	64QAM	1	1	18.95			21.0	0.0
100	256QAM	1	1	18.59			19.5	1.5
Channel				630000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.11	20.20	20.02	21.0	0.0
Channel				630668	630334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.18	20.27	20.06	21.0	0.0
Channel				632334	630334	632334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486	3500.01	3500.02	(dBm)	(dB)
70	QPSK	1	1	20.09	20.21	20.03	21.0	0.0
Channel				632000	630334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	20.18	20.23	20.02	21.0	0.0
Channel				631668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.13	20.17	20.02	21.0	0.0
Channel				631334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.08	20.19	20.07	21.0	0.0
Channel				631000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.14	20.21	20.06	21.0	0.0
Channel				630668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.19	20.26	20.05	21.0	0.0
Channel				630300	630334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.17	20.18	20.03	21.0	0.0
Channel				630334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.14	20.16	20.10	21.0	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				630334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	19.81			21.0	0.0
100	Pi/2 BPSK	1	137	20.59				
100	Pi/2 BPSK	1	271	20.15				
100	Pi/2 BPSK	135	0	20.38				
100	Pi/2 BPSK	135	69	20.58			21.0	0.0
100	Pi/2 BPSK	135	138	20.44			21.0	0.0
100	Pi/2 BPSK	270	0	20.63				
100	QPSK	1	1	19.87	19.87		21.0	0.0
100	QPSK	1	137	20.66				
100	QPSK	1	271	20.17				
100	QPSK	135	0	20.33				
100	QPSK	135	69	20.60			21.0	0.0
100	QPSK	135	138	20.49			21.0	0.0
100	QPSK	270	0	20.53				
100	16QAM	1	1	19.42			21.0	0.0
100	64QAM	1	1	19.37			21.0	0.0
100	256QAM	1	1	18.98			19.5	1.5
Channel				630000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.37	20.45	20.28	21.0	0.0
Channel				630668	630334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	20.37	20.47	20.32	21.0	0.0
Channel				632334	630334	632334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486.01	3500.01	3516.01	(dBm)	(dB)
70	QPSK	1	1	20.34	20.45	20.32	21.0	0.0
Channel				632000	630334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	20.36	20.48	20.25	21.0	0.0
Channel				631668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.47	20.44	20.32	21.0	0.0
Channel				631334	630334	630334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.44	20.47	20.26	21.0	0.0
Channel				631000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.45	20.49	20.38	21.0	0.0
Channel				630668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.47	20.54	20.37	21.0	0.0
Channel				630000	630334	630668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.01	3500.01	3546.01	(dBm)	(dB)
15	QPSK	1	1	20.39	20.53	20.33	21.0	0.0
Channel				630668	630334	630000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.35	20.47	20.36	21.0	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				650000	650000	650000	3760		
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		19.43		21.0	0.0	
100	Pi/2 BPSK	1	137		20.36				
100	Pi/2 BPSK	1	271		19.30		21.0	0.0	
100	Pi/2 BPSK	135	0		20.16				
100	Pi/2 BPSK	135	69		20.36		21.0	0.0	
100	Pi/2 BPSK	135	136		20.26				
100	Pi/2 BPSK	270	0		20.26		21.0	0.0	
100	QPSK	1	1		19.43				
100	QPSK	1	137		20.36		21.0	0.0	
100	QPSK	1	271		19.36				
100	QPSK	135	0		20.28		21.0	0.0	
100	QPSK	135	69		20.31				
100	QPSK	135	136		20.24		21.0	0.0	
100	QPSK	270	0		20.31				
100	16QAM	1	1		19.25		21.0	0.0	
100	64QAM	1	1		19.20				
100	256QAM	1	1		18.82		19.5	1.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.25	20.31	20.14	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.16	20.28	20.12	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
70	QPSK	1	1		20.23	20.23	20.12	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
60	QPSK	1	1		20.22	20.23	20.12	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.27	20.21	20.19	21.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.28	20.20	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01	21.0	0.0	
30	QPSK	1	1		20.25	20.19	20.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0	
20	QPSK	1	1		20.22	20.21	20.15	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3752.51	21.0	0.0	
15	QPSK	1	1		20.24	20.29	20.13	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.24	20.23	20.20	21.0	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				650000	650000	650000	3760		
Frequency (MHz)									
100	Pi/2 BPSK	1	1		19.82		21.0	0.0	
100	Pi/2 BPSK	1	137		20.68				
100	Pi/2 BPSK	1	271		19.64		21.0	0.0	
100	Pi/2 BPSK	135	0		20.58				
100	Pi/2 BPSK	135	69		20.64		21.0	0.0	
100	Pi/2 BPSK	135	138		20.49				
100	Pi/2 BPSK	270	0		20.62		21.0	0.0	
100	QPSK	1	1		19.76				
100	QPSK	1	137		20.82		21.0	0.0	
100	QPSK	1	271		19.71				
100	QPSK	135	0		20.64		21.0	0.0	
100	QPSK	135	69		20.68				
100	QPSK	135	138		20.56		21.0	0.0	
100	QPSK	270	0		20.59				
100	16QAM	1	1		19.63		21.0	0.0	
100	64QAM	1	1		19.66				
100	256QAM	1	1		19.57		19.5	1.5	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	1		20.58	20.48	20.53	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	1		20.55	20.54	20.55	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01	21.0	0.0	
70	QPSK	1	1		20.55	20.50	20.52	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
60	QPSK	1	1		20.49	20.59	20.43	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	1		20.54	20.59	20.49	21.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	1		20.48	20.52	20.49	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01	21.0	0.0	
30	QPSK	1	1		20.53	20.61	20.55	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02	21.0	0.0	
20	QPSK	1	1		20.58	20.49	20.51	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3752.51	21.0	0.0	
15	QPSK	1	1		20.48	20.52	20.46	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	1		20.51	20.61	20.44	21.0	0.0

Part270Q n78 Ant2

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					633334		3600.01		
Frequency (MHz)									
100	Pi/2 BPSK	1	1		18.82		21.0	0.0	
100	Pi/2 BPSK	1	137		20.03				
100	Pi/2 BPSK	1	271		19.68		21.0	0.0	
100	Pi/2 BPSK	135	0		19.43				
100	Pi/2 BPSK	135	69		19.89		21.0	0.0	
100	Pi/2 BPSK	135	138		19.83				
100	Pi/2 BPSK	270	0		19.91		21.0	0.0	
100	QPSK	1	1		19.87				
100	QPSK	1	137		20.06		21.0	0.0	
100	QPSK	1	271		19.73				
100	QPSK	135	0		19.49		21.0	0.0	
100	QPSK	135	69		19.54				
100	QPSK	135	138		19.82		21.0	0.0	
100	QPSK	270	0		19.89				
100	16QAM	1	1		18.68		21.0	0.0	
100	64QAM	1	1		18.62				
100	256QAM	1	1		18.53		19.5	1.5	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3695	3690.01	3696.02	21.0	0.0	
90	QPSK	1	1		19.86	19.95	19.87	21.0	0.0
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3690.02	3690.01	36910	21.0	0.0	
80	QPSK	1	1		19.93	19.98	19.85	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3685.01	3690.01	36910.01	21.0	0.0	
70	QPSK	1	1		19.95	19.99	19.84	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3680	3690.01	36910.02	21.0	0.0	
60	QPSK	1	1		19.91	20.03	19.95	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3675.02	3690.01	3695	21.0	0.0	
50	QPSK	1	1		19.91	20.04	19.88	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3670.01	3690.01	36910.01	21.0	0.0	
40	QPSK	1	1		19.99	20.01	19.91	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665	3690.01	36910.02	21.0	0.0	
30	QPSK	1	1		19.99	19.96	19.85	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.02	3690.01	3695	21.0	0.0	
20	QPSK	1	1		19.99	19.88	19.81	21.0	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.5	3690.01	3692.52	21.0	0.0	
15	QPSK	1	1		19.97	20.01	19.84	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655.01	3690.01	3695.01	21.0	0.0	
10	QPSK	1	1		19.94	19.93	19.89	21.0	0.0

Part27Q n78 Ant2 PC2								
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				633334				
Frequency (MHz)				3600.01				
100	PI2 BPSK	1	1		19.16		21.0	0.0
100	PI2 BPSK	1	137		20.36			
100	PI2 BPSK	1	271		20.00		21.0	0.0
100	PI2 BPSK	135	0		19.06			
100	PI2 BPSK	135	69		20.14		21.0	0.0
100	PI2 BPSK	135	138		20.07			
100	PI2 BPSK	270	0		20.24		21.0	0.0
100	QPSK	1	1		19.22			
100	QPSK	1	137		20.41		21.0	0.0
100	QPSK	1	271		20.04			
100	QPSK	135	0		19.77		21.0	0.0
100	QPSK	135	69		20.16			
100	QPSK	135	138		20.17		21.0	0.0
100	QPSK	270	0		20.20			
100	16QAM	1	1		20.00		21.0	0.0
100	64QAM	1	1		18.97			
100	256QAM	1	1		18.34		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3505.02		
90	QPSK	1	1	20.13	20.16	20.11	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3510		
80	QPSK	1	1	20.22	20.09	20.08	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.01	3500.01	3515.01		
70	QPSK	1	1	20.17	20.19	20.05	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500.01	3515.02		
60	QPSK	1	1	20.15	20.16	20.08	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.18	20.16	20.07	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.12	20.16	20.07	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3545.02		
30	QPSK	1	1	20.13	20.21	20.00	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.13	20.21	20.02	21.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500.01	3542.52		
15	QPSK	1	1	20.20	20.19	20.02	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3458.01	3500.01	3545.01		
10	QPSK	1	1	20.21	20.13	20.02	21.0	0.0



n2 Ant4								
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				375000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	Pl2 BPSK	1	1	17.57	17.66	17.62		
30	Pl2 BPSK	1	80	18.32	18.22	18.27	19.5	0.0
30	Pl2 BPSK	1	158	17.55	17.71	17.58		
30	Pl2 BPSK	80	0	17.56	17.61	17.59	19.5	0.0
30	Pl2 BPSK	80	40	18.36	18.41	18.40	19.5	0.0
30	Pl2 BPSK	80	80	17.51	17.71	17.57	19.5	0.0
30	Pl2 BPSK	160	0	17.84	17.74	17.86		
30	QPSK	1	1	18.35	18.51	18.28		
30	QPSK	1	80	17.85	17.63	17.71		
30	QPSK	1	158	17.70	17.70	17.66	19.5	0.0
30	QPSK	80	0	17.51	17.61	17.55	19.5	0.0
30	QPSK	80	40	18.23	18.32	18.24	19.5	0.0
30	QPSK	80	80	17.63	17.80	17.71	19.5	0.0
30	QPSK	160	0	17.65	17.75	17.61	19.5	0.0
30	16QAM	1	1	17.63	17.62	17.58	19.5	0.0
30	64QAM	1	1	17.57	17.72	17.62	19.5	0.0
30	256QAM	1	1	17.24	17.30	17.26	18.5	1.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1897.5		
25	QPSK	1	1	18.37	18.35	18.30	19.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1880	1900		
20	QPSK	1	1	18.30	18.25	18.25	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1877.5	1900	1922.5		
15	QPSK	1	1	18.37	18.25	18.24	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	18.28	18.22	18.22	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	18.29	18.27	18.23	19.5	0.0

n5 Ant4								
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					167500			
Frequency (MHz)					836.5			
25	Pl2 BPSK	1	1		21.59			
25	Pl2 BPSK	1	87		21.63		23.0	0.0
25	Pl2 BPSK	1	131		21.47			
25	Pl2 BPSK	64	0		21.25		23.0	0.0
25	Pl2 BPSK	64	35		21.76		23.0	0.0
25	Pl2 BPSK	64	89		21.26		23.0	0.0
25	Pl2 BPSK	128	0		21.40			
25	QPSK	1	1		21.97			
25	QPSK	1	87		21.68		23.0	0.0
25	QPSK	1	131		21.55			
25	QPSK	64	0		21.25		23.0	0.0
25	QPSK	64	35		21.92		23.0	0.0
25	QPSK	64	89		21.73		23.0	0.0
25	QPSK	128	0		21.75		23.0	0.0
25	16QAM	1	1		21.28		23.0	0.0
25	64QAM	1	1		19.95		21.5	1.5
25	256QAM	1	1		18.92		19.5	3.5
Channel				169000	167500	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	21.76	21.77	21.70	0.0	0.0
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	845.5	841.5		
15	QPSK	1	1	21.68	21.78	21.64	23.0	0.0
Channel				165800	167300	165800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	841.5	844		
10	QPSK	1	1	21.78	21.72	21.84	23.0	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.72	21.72	21.63	23.0	0.0

n12 Ant4								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	Pl2 BPSK	1	1	22.83	22.92	22.86		
15	Pl2 BPSK	1	40	22.78	22.86	22.75	24.0	0.0
15	Pl2 BPSK	1	77	22.76	22.80	22.68		
15	Pl2 BPSK	36	0	22.82	22.68	22.58	23.5	0.5
15	Pl2 BPSK	36	22	22.78	22.89	22.77	24.0	0.0
15	Pl2 BPSK	36	43	22.47	22.82	22.55	23.5	0.5
15	Pl2 BPSK	75	0	22.60	22.66	22.58		
15	QPSK	1	1	22.90	22.97	22.86		
15	QPSK	1	40	22.87	22.93	22.80		
15	QPSK	1	77	22.73	22.84	22.71	24.0	0.0
15	QPSK	36	0	22.15	22.19	22.12	23.0	1.0
15	QPSK	36	22	22.83	22.92	22.87	24.0	0.0
15	QPSK	36	43	22.10	22.14	22.00	23.0	1.0
15	QPSK	35	0	22.10	22.15	22.14		
15	16QAM	1	1	21.72	21.82	21.76	23.0	1.0
15	64QAM	1	1	20.20	20.31	20.20	21.5	2.5
15	256QAM	1	1	18.78	18.93	18.80	19.5	4.5
Channel				140300	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.78	22.93	22.80	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	22.88	22.75	24.0	0.0



n14 Ant4								
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					793			
Frequency (MHz)					793			
10	PI2 BPSK	1	1	22.56			24.0	0.0
10	PI2 BPSK	1	26	22.51				
10	PI2 BPSK	1	50	22.48				
10	PI2 BPSK	25	0	22.11			23.5	0.5
10	PI2 BPSK	25	14	22.32			24.0	0.0
10	PI2 BPSK	25	27	21.99			23.5	0.5
10	PI2 BPSK	50	0	22.06				
10	QPSK	1	1	22.61			24.0	0.0
10	QPSK	1	26	22.54				
10	QPSK	1	50	22.50				
10	QPSK	25	0	21.66			23.0	1.0
10	QPSK	25	14	22.57			24.0	0.0
10	QPSK	25	27	21.61			23.0	1.0
10	QPSK	50	0	21.65			23.0	1.0
10	16QAM	1	1	21.44				
10	64QAM	1	1	19.87				
10	256QAM	1	1	18.45			19.5	2.5
Channel				159100	159100		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.50	22.58	22.41	24.0	0.0

n25 Ant4								
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					374500	376500		
Frequency (MHz)					1872.5	1882.5		
45	PI2 BPSK	1	1	17.67	17.75	17.63	19.5	0.0
45	PI2 BPSK	1	61	18.41	18.36	18.32		
45	PI2 BPSK	1	121	17.69	17.80	17.61		
45	PI2 BPSK	121	0	17.64	17.75	17.69	19.5	0.0
45	PI2 BPSK	121	61	18.38	18.41	18.40	19.5	0.0
45	PI2 BPSK	121	121	17.61	17.81	17.62	19.5	0.0
45	PI2 BPSK	242	0	17.85	17.85	17.87		
45	QPSK	1	1	17.68	17.76	17.74	19.5	0.0
45	QPSK	1	61	18.40	18.59	18.36		
45	QPSK	1	121	17.74	17.81	17.74		
45	QPSK	121	0	17.63	17.76	17.63	19.5	0.0
45	QPSK	121	61	18.33	18.42	18.28	19.5	0.0
45	QPSK	121	121	17.76	17.86	17.79	19.5	0.0
45	QPSK	242	0	17.71	17.71	17.71		
45	16QAM	1	1	17.69	17.69	17.52	19.5	0.0
45	64QAM	1	1	17.70	17.76	17.66	19.5	0.0
45	256QAM	1	1	17.23	17.44	17.29	18.5	1.0
Channel				374500	376500	376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870	1882.5	1886		
40	QPSK	1	1	18.29	18.39	18.22	0.0	0.0
Channel				373500	376500	376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1887.5		
35	QPSK	1	1	18.20	18.44	18.23	19.5	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.15	18.45	18.22	19.5	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.24	18.32	18.14	19.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.28	18.36	18.17	19.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.27	18.43	18.15	19.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.16	18.33	18.15	19.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1912.5		
5	QPSK	1	1	18.26	18.31	18.22	19.5	0.0

n26 Ant4								
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					164800	166300		
Frequency (MHz)					824	831.5	839	
20	PI2 BPSK	1	1	22.78	22.63	22.71	23.5	0.0
20	PI2 BPSK	1	53	22.63	22.75	22.63		
20	PI2 BPSK	1	104	22.58	22.63	22.56		
20	PI2 BPSK	50	0	22.35	22.39	22.28	23.5	0.0
20	PI2 BPSK	50	25	22.69	22.80	22.71	23.5	0.0
20	PI2 BPSK	50	56	22.23	22.33	22.26	23.5	0.0
20	PI2 BPSK	100	0	22.28	22.38	22.34		
20	QPSK	1	1	22.85	22.68	22.79	23.5	0.0
20	QPSK	1	53	22.77	22.61	22.70		
20	QPSK	1	104	22.80	22.72	22.81		
20	QPSK	50	0	21.84	21.87	21.77	23.0	0.5
20	QPSK	50	25	22.80	22.84	22.77	23.5	0.0
20	QPSK	50	56	21.75	21.82	21.79	23.0	0.5
20	QPSK	100	0	21.77	21.85	21.81		
20	16QAM	1	1	21.29	21.42	21.32	23.0	0.5
20	64QAM	1	1	19.97	20.04	19.94	21.5	2.0
20	256QAM	1	1	18.51	18.62	18.59	19.5	4.0
Channel				163300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.73	22.85	22.79	23.5	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				838	831.5	844		
10	QPSK	1	1	22.75	22.77	22.68	23.5	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.80	22.83	22.75	23.5	0.0



n66 Ant4									
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				346500	346000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	17.74	17.91	17.77			
45	PI2 BPSK	1	61	18.49	18.54	18.50	19.5	0.0	
45	PI2 BPSK	1	121	17.71	17.89	17.77			
45	PI2 BPSK	121	0	17.74	17.79	17.77	19.5	0.0	
45	PI2 BPSK	121	61	18.52	18.57	18.41	19.5	0.0	
45	PI2 BPSK	121	121	17.85	17.94	17.74		0.0	
45	PI2 BPSK	242	0	17.96	18.02	17.94			
45	QPSK	1	1	17.83	17.89	17.82			
45	QPSK	1	61	18.54	18.61	18.43		0.0	
45	QPSK	1	121	17.75	17.88	17.74	19.5		
45	QPSK	121	0	17.59	17.61	17.68	19.5	0.0	
45	QPSK	121	61	18.46	18.49	18.47	19.5	0.0	
45	QPSK	121	121	17.67	17.78	17.52		0.0	
45	QPSK	242	0	17.52	17.71	17.54			
45	16QAM	1	1	17.78	17.81	17.69	19.5	0.0	
45	64QAM	1	1	17.75	17.84	17.65	19.5	0.0	
45	256QAM	1	1	17.25	17.40	17.39	18.5	1.0	
Channel				347500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1750	1745	1760			
40	QPSK	1	1	18.41	18.52	18.35	19.5	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	18.41	18.52	18.35	19.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.40	18.54	18.39	19.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.41	18.53	18.34	19.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.40	18.56	18.35	19.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.49	18.54	18.35	19.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.43	18.56	18.41	19.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.46	18.48	18.36	19.5	0.0	

n70 Ant4									
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				341500	340500	339500			
Frequency (MHz)				1707.5	1702.5	1697.5			
15	PI2 BPSK	1	1	18.74	18.81	18.63			
15	PI2 BPSK	1	40	19.39	19.47	19.36	20.5	0.0	
15	PI2 BPSK	1	77	18.66	18.83	18.69			
15	PI2 BPSK	36	0	18.69	18.68	18.63	20.5	0.0	
15	PI2 BPSK	36	22	19.44	19.43	19.38	20.5	0.0	
15	PI2 BPSK	36	43	18.85	18.88	18.63		0.0	
15	PI2 BPSK	75	0	18.86	18.96	18.83			
15	QPSK	1	1	18.79	18.77	18.68			
15	QPSK	1	40	19.40	19.52	19.36	20.5	0.0	
15	QPSK	1	77	18.76	18.86	18.61			
15	QPSK	36	0	18.51	18.51	18.60	20.5	0.0	
15	QPSK	36	22	19.44	19.54	19.45	20.5	0.0	
15	QPSK	36	43	18.63	18.69	18.44		0.0	
15	QPSK	75	0	18.52	18.64	18.52			
15	16QAM	1	1	18.65	18.73	18.64	20.5	0.0	
15	64QAM	1	1	18.65	18.83	18.61	20.5	0.0	
15	256QAM	1	1	18.23	18.35	18.35	18.5	2.0	
Channel				340500	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	19.35	19.53	19.35	20.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.42	19.55	19.25	20.5	0.0	

n71 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				671	680.5	684			
20	PI2 BPSK	1	1	23.16	23.19	23.07			
20	PI2 BPSK	1	53	22.93	23.01	22.88	24.0	0.0	
20	PI2 BPSK	1	104	22.74	22.87	22.78			
20	PI2 BPSK	50	0	22.54	22.68	22.60	23.5	0.5	
20	PI2 BPSK	50	25	23.12	23.16	23.13	24.0	0.0	
20	PI2 BPSK	50	56	22.59	22.62	22.58		0.5	
20	PI2 BPSK	100	0	22.55	22.66	22.61			
20	QPSK	1	1	23.23	23.26	23.18			
20	QPSK	1	53	23.09	23.08	22.93	24.0	0.0	
20	QPSK	1	104	22.75	22.83	22.84			
20	QPSK	50	0	22.03	22.15	22.05	23.0	1.0	
20	QPSK	50	25	23.19	23.22	23.15	24.0	0.0	
20	QPSK	50	56	21.91	22.05	22.01		1.0	
20	QPSK	100	0	22.06	22.11	22.02			
20	16QAM	1	1	21.70	21.77	21.67	23.0	1.0	
20	64QAM	1	1	20.16	20.23	20.11	21.5	2.5	
20	256QAM	1	1	19.75	19.83	19.76	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				676.5	680.5	680.5			
15	QPSK	1	1	23.09	23.13	23.11	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	686			
10	QPSK	1	1	23.08	23.21	23.06	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				660.5	680.5	680.5			
5	QPSK	1	1	23.10	23.15	23.14	24.0	0.0	

n41 Ant4 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	15.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	13.75	13.88	13.76			
100	PI/2 BPSK	1	137	15.18	15.22	15.07			
100	PI/2 BPSK	1	271	14.31	14.39	14.32	15.5	0.0	
100	PI/2 BPSK	135	0	14.88	15.01	14.91			
100	PI/2 BPSK	135	69	15.16	15.27	15.23			
100	PI/2 BPSK	135	138	15.06	15.16	15.09			
100	PI/2 BPSK	270	0	15.18	15.23	15.08	15.5	0.0	
100	QPSK	1	1	13.62	13.93	14.52			
100	QPSK	1	137	14.82	15.33	15.04			
100	QPSK	1	271	14.29	14.43	14.31			
100	QPSK	135	0	15.02	15.09	15.04	15.5	0.0	
100	QPSK	135	69	14.76	15.28	14.99	15.5	0.0	
100	QPSK	135	138	15.10	15.15	15.02	15.5	0.0	
100	QPSK	270	0	14.89	15.21	14.95	15.5	0.0	
100	16QAM	1	1	14.67	14.73	14.70			
100	64QAM	1	1	14.61	14.67	14.63			
100	256QAM	1	1	14.78	14.82	14.71			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	15.5	0.0	
90	QPSK	1	1	14.69	15.30	14.96			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	15.5	0.0	
80	QPSK	1	1	14.73	15.22	14.90			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	15.5	0.0	
70	QPSK	1	1	14.67	15.32	14.96			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	15.5	0.0	
60	QPSK	1	1	14.72	15.27	14.96			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	15.5	0.0	
50	QPSK	1	1	14.77	15.28	14.92			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	15.5	0.0	
40	QPSK	1	1	14.70	15.30	14.97			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	15.5	0.0	
30	QPSK	1	1	14.71	15.26	15.00			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	15.5	0.0	
20	QPSK	1	1	14.70	15.28	15.03			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	15.5	0.0	
15	QPSK	1	1	14.77	15.31	14.91			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	15.5	0.0	
10	QPSK	1	1	14.76	15.32	15.00			



n48 Ant5 Part96									
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				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PV2 BPSK	1	1	15.07	15.16	15.09	16.5	0.0	
40	PV2 BPSK	1	53	14.91	15.06	14.98			
40	PV2 BPSK	1	104	15.08	15.22	14.88			
40	PV2 BPSK	50	0	14.95	15.07	14.90	16.5	0.0	
40	PV2 BPSK	50	28	14.88	15.04	14.91	16.5	0.0	
40	PV2 BPSK	50	56	14.81	15.22	15.13	16.5	0.0	
40	PV2 BPSK	100	0	15.12	15.20	14.91	16.5	0.0	
40	QPSK	1	1	15.11	15.00	15.07			
40	QPSK	1	53	15.04	15.35	15.00			
40	QPSK	1	104	14.95	15.16	14.98	16.5	0.0	
40	QPSK	50	0	14.93	15.15	14.96			
40	QPSK	50	28	14.95	15.00	14.94			
40	QPSK	50	56	14.79	15.16	15.06	16.5	0.0	
40	QPSK	100	0	14.98	15.15	15.08	16.5	0.0	
40	16QAM	1	1	14.97	15.18	15.07	16.5	0.0	
40	16QAM	1	1	14.98	15.04	14.87	16.5	0.0	
40	256QAM	1	1	14.90	15.25	14.97	16.5	0.0	
Channel				637234	641666	646000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	14.99	15.30	15.00	16.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3572.52	3624.99	3692.49			
15	QPSK	1	1	14.93	15.30	14.89	16.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3694.98			
10	QPSK	1	1	14.99	15.33	14.96	16.5	0.0	

Part270 n77 Ant5 PC2&PC3									
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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	15.09	15.13	15.04	17.5	0.0	
100	PV2 BPSK	1	137	15.95	16.01	15.88			
100	PV2 BPSK	1	271	14.99	15.01	14.88			
100	PV2 BPSK	135	0	15.88	15.92	15.90	17.5	0.0	
100	PV2 BPSK	135	69	15.72	15.87	15.75	17.5	0.0	
100	PV2 BPSK	135	138	15.75	15.81	15.72	17.5	0.0	
100	PV2 BPSK	270	0	15.68	15.82	15.75	17.5	0.0	
100	QPSK	1	1	15.04	15.18	15.04			
100	QPSK	1	137	15.93	16.05	15.97			
100	QPSK	1	271	14.98	15.02	14.90	17.5	0.0	
100	QPSK	135	0	15.94	15.94	15.81			
100	QPSK	135	69	15.83	15.87	15.76			
100	QPSK	135	138	15.85	15.76	15.75	17.5	0.0	
100	QPSK	270	0	15.75	15.86	15.82	17.5	0.0	
100	16QAM	1	1	15.10	15.20	15.09	17.5	0.0	
100	64QAM	1	1	15.00	15.13	15.12	17.5	0.0	
100	256QAM	1	1	15.14	15.17	15.10	17.5	0.0	
Channel				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.89	15.94	15.89	17.5	0.0	
Channel				646334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.78	15.94	15.92	17.5	0.0	
Channel				646000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.87	15.96	15.90	17.5	0.0	
Channel				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.90	15.92	15.88	17.5	0.0	
Channel				646334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.92	16.00	15.96	17.5	0.0	
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.80	16.02	15.97	17.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3973.01			
30	QPSK	1	1	15.99	15.90	15.85	17.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.89	15.96	15.96	17.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.89	15.99	15.82	17.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.91	15.94	15.96	17.5	0.0	

Part270Q n77 Ant5 PC2&PC3									
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				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		15.13		17.5	0.0	
100	PV2 BPSK	1	137		15.95				
100	PV2 BPSK	1	271		15.03				
100	PV2 BPSK	135	0		15.85		17.5	0.0	
100	PV2 BPSK	135	69		15.92		17.5	0.0	
100	PV2 BPSK	135	138		15.82		17.5	0.0	
100	PV2 BPSK	270	0		15.76		17.5	0.0	
100	QPSK	1	1		15.16				
100	QPSK	1	137		15.98				
100	QPSK	1	271		14.99		17.5	0.0	
100	QPSK	135	0		15.89				
100	QPSK	135	69		15.91				
100	QPSK	135	138		15.80		17.5	0.0	
100	QPSK	270	0		15.90		17.5	0.0	
100	16QAM	1	1		15.13		17.5	0.0	
100	64QAM	1	1		15.06		17.5	0.0	
100	256QAM	1	1		15.18		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.83	15.83	15.85	17.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.82	15.72	15.73	17.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.84	15.75	15.61	17.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.72	15.81	15.64	17.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.69	15.82	15.74	17.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.72	15.81	15.65	17.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
Channel				630650	633334	636168	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.68	15.82	15.70	17.5	0.0	
Channel				630300	633334	636600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.72	15.75	15.75	17.5	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.57	15.76	15.72	17.5	0.0	
Channel				629234	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	15.71	15.75	15.63	17.5	0.0	

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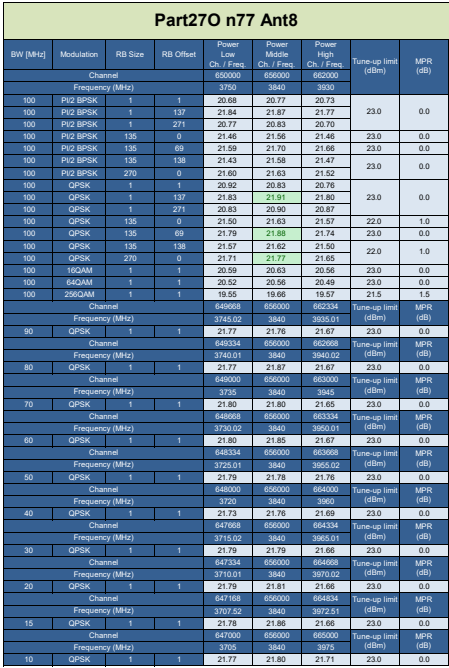
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	17.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.26	15.26	15.26	17.5	0.0
100	PI/2 BPSK	1	137	16.01	16.01	16.01		
100	PI/2 BPSK	1	271	15.10	15.10	15.10	17.5	0.0
100	PI/2 BPSK	135	0	15.91	15.91	15.91		
100	PI/2 BPSK	135	69	16.01	16.01	16.01	17.5	0.0
100	PI/2 BPSK	135	138	15.89	15.89	15.89		
100	PI/2 BPSK	270	0	15.84	15.84	15.84	17.5	0.0
100	QPSK	1	1	15.31	15.31	15.31		
100	QPSK	1	137	15.07	15.07	15.07	17.5	0.0
100	QPSK	1	271	15.12	15.12	15.12		
100	QPSK	135	0	15.98	15.98	15.98	17.5	0.0
100	QPSK	135	69	15.88	15.88	15.88		
100	QPSK	135	138	15.87	15.87	15.87	17.5	0.0
100	QPSK	270	0	15.05	15.05	15.05		
100	16QAM	1	1	15.27	15.27	15.27	17.5	0.0
100	64QAM	1	1	15.17	15.17	15.17		
100	256QAM	1	1	15.37	15.37	15.37	16.0	1.5
Channel				649668	650000	650334	17.5	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.78	15.90	15.87	17.5	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	17.5	0.0
80	QPSK	1	1	15.72	15.84	15.82		
Channel				649000	650000	651000	17.5	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.60	15.72	15.62	17.5	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.03	17.5	0.0
60	QPSK	1	1	15.65	15.68	15.65		
Channel				648334	650000	651668	17.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.55	15.67	15.60	17.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	17.5	0.0
40	QPSK	1	1	15.58	15.72	15.65		
Channel				647668	650000	652334	17.5	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.50	15.67	15.62	17.5	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	17.5	0.0
20	QPSK	1	1	15.58	15.72	15.66		
Channel				647168	650000	652834	17.5	0.0
Frequency (MHz)				3707.52	3750	3792.53		
15	QPSK	1	1	15.61	15.73	15.60	17.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	17.5	0.0
10	QPSK	1	1	15.57	15.72	15.68		

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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				633334	633334	633334	17.5	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	15.23	15.23	15.23	17.5	0.0
100	PI/2 BPSK	1	137	16.00	16.00	16.00		
100	PI/2 BPSK	1	271	15.13	15.13	15.13	17.5	0.0
100	PI/2 BPSK	135	0	16.04	16.04	16.04		
100	PI/2 BPSK	135	69	16.11	16.11	16.11	17.5	0.0
100	PI/2 BPSK	135	138	15.90	15.90	15.90		
100	PI/2 BPSK	270	0	15.90	15.90	15.90	17.5	0.0
100	QPSK	1	1	15.29	15.29	15.29		
100	QPSK	1	137	15.16	15.16	15.16	17.5	0.0
100	QPSK	1	271	15.16	15.16	15.16		
100	QPSK	135	0	15.98	15.98	15.98	17.5	0.0
100	QPSK	135	69	16.01	16.01	16.01		
100	QPSK	135	138	15.92	15.92	15.92	17.5	0.0
100	QPSK	270	0	15.08	15.08	15.08		
100	16QAM	1	1	15.28	15.28	15.28	17.5	0.0
100	64QAM	1	1	15.16	15.16	15.16		
100	256QAM	1	1	15.31	15.31	15.31	16.0	1.5
Channel				633000	633334	633668	17.5	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.61	15.62	15.68	17.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	17.5	0.0
80	QPSK	1	1	15.50	15.65	15.72		
Channel				632334	633334	634334	17.5	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.60	15.66	15.67	17.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	17.5	0.0
60	QPSK	1	1	15.58	15.65	15.69		
Channel				631668	633334	635000	17.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.55	15.64	15.62	17.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	17.5	0.0
40	QPSK	1	1	15.63	15.70	15.84		
Channel				631000	633334	635668	17.5	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.62	15.65	15.69	17.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	17.5	0.0
20	QPSK	1	1	15.59	15.67	15.69		
Channel				630500	633334	636168	17.5	0.0
Frequency (MHz)				3457.5	3500.01	3547.52		
15	QPSK	1	1	15.59	15.68	15.71	17.5	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	17.5	0.0
10	QPSK	1	1	15.59	15.70	15.70		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.14	18.21	18.07		
100	PI/2 BPSK	1	137	19.29	19.37	19.27		
100	PI/2 BPSK	1	271	18.31	18.35	18.28	20.5	0.0
100	PI/2 BPSK	135	0	19.19	19.23	19.13		
100	PI/2 BPSK	135	69	19.18	19.30	19.23		
100	PI/2 BPSK	135	138	19.12	19.18	19.05		
100	PI/2 BPSK	270	0	19.16	19.24	19.12	20.5	0.0
100	QPSK	1	1	17.61	18.25	18.17		
100	QPSK	1	137	19.14	19.43	19.27		
100	QPSK	1	271	18.33	18.42	18.35		
100	QPSK	135	0	19.24	19.30	19.23	20.5	0.0
100	QPSK	135	69	19.06	19.35	19.23		
100	QPSK	135	138	19.16	19.21	19.06		
100	QPSK	270	0	19.01	19.28	19.14		
100	16QAM	1	1	19.07	19.14	19.02	20.5	0.0
100	64QAM	1	1	19.02	19.07	18.98		
100	256QAM	1	1	19.19	19.23	19.20		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	20.5	0.0
90	QPSK	1	1	18.97	19.31	19.17		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	20.5	0.0
80	QPSK	1	1	19.02	19.27	19.13		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	20.5	0.0
70	QPSK	1	1	18.98	19.24	19.08		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	20.5	0.0
60	QPSK	1	1	18.98	19.25	19.12		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	20.5	0.0
50	QPSK	1	1	18.90	19.29	19.15		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	20.5	0.0
40	QPSK	1	1	18.98	19.20	19.08		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	20.5	0.0
30	QPSK	1	1	18.90	19.33	19.11		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	20.5	0.0
20	QPSK	1	1	18.92	19.21	19.15		
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	20.5	0.0
15	QPSK	1	1	18.89	19.19	19.11		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	20.5	0.0
10	QPSK	1	1	19.02	19.29	19.11		



Part270 n77 Ant8 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 665000	Time-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3750	3840	3930			
100	PQ2 BPSK	1	1	23.00	23.07	22.94			
100	PQ2 BPSK	1	137	23.91	23.92	23.84	24.5	0.0	
100	PQ2 BPSK	1	271	22.90	23.02	22.88			
100	PQ2 BPSK	135	0	23.18	23.27	23.20	24.0	0.5	
100	PQ2 BPSK	135	69	23.80	23.92	23.79	24.5	0.0	
100	PQ2 BPSK	135	138	23.16	23.20	23.08			
100	PQ2 BPSK	270	0	23.20	23.31	23.18	24.0	0.5	
100	QPSK	1	1	23.04	23.13	23.01			
100	QPSK	1	137	24.00	24.03	23.96	24.5	0.0	
100	QPSK	1	271	23.00	23.08	22.91			
100	QPSK	135	0	22.72	22.78	22.74	23.5	1.0	
100	QPSK	135	69	23.91	23.97	23.84	24.5	0.0	
100	QPSK	135	138	22.70	22.78	22.64	23.5	1.0	
100	QPSK	270	0	22.82	22.86	22.80			
100	16QAM	1	1	22.84	22.84	22.84	23.8	1.0	
100	64QAM	1	1	20.88	20.91	20.82	22.0	2.5	
100	256QAM	1	1	18.89	17.02	16.91	20.0	4.5	
Channel									
	Frequency (MHz)			649688	656000	662334	Time-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.88	23.92	23.87	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	662668	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.88	23.96	23.82	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	662334	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.88	23.99	23.81	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	663334	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.94	23.88	23.89	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	663668	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.97	23.97	23.97	24.5	0.0	
Channel									
	Frequency (MHz)			649300	656000	664000	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.90	23.90	23.90	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	664668	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.87	23.93	23.83	24.5	0.0	
Channel									
	Frequency (MHz)			649334	656000	665000	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.83	23.99	23.91	24.5	0.0	
Channel									
	Frequency (MHz)			647168	656000	664834	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.86	23.90	23.82	24.5	0.0	
Channel									
	Frequency (MHz)			647000	656000	664834	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.83	23.89	23.86	24.5	0.0	

Part27Q n77 Ant8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
	Channel	Frequency (MHz)			3600.01			
100	P22 BPSK	1	1	20.99				
100	P22 BPSK	1	137	21.50			23.0	0.0
100	P22 BPSK	1	271	20.99				
100	P22 BPSK	135	0	21.85			23.0	0.0
100	P22 BPSK	135	69	21.87			23.0	0.0
100	P22 BPSK	135	138	21.77			23.0	0.0
100	P22 BPSK	270	0	21.52			23.0	0.0
100	QPSK	1	1	21.05				
100	QPSK	1	137	21.99			23.0	0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	21.68			23.0	0.0
100	QPSK	135	69	21.94			23.0	0.0
100	QPSK	135	138	21.76			23.0	0.0
100	QPSK	270	0	20.95			23.0	0.0
100	16QAM	1	1	20.95				
100	16QAM	1	137	21.51			21.5	1.5
100	16QAM	1	271	20.99				
	Channel	Frequency (MHz)		633000	633334	633668	Time-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.80	21.86	21.80	23.0	0.0
	Channel	Frequency (MHz)		636668	633334	634000	Time-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3486.02	3500.01	3510	23.0	0.0
	Channel	Frequency (MHz)		21.84	21.80	21.79	23.0	0.0
	Channel	Frequency (MHz)		3485.01	333333	333333	Time-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.83	21.90	21.80	23.0	0.0
	Channel	Frequency (MHz)		632000	633334	634668	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3486	3400.01	3400.01	23.0	0.0
60	QPSK	1	1	21.80	21.88	21.83	23.0	0.0
	Channel	Frequency (MHz)		631668	633334	635000	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525	23.0	0.0
	Channel	Frequency (MHz)		21.54	21.50	21.54	23.0	0.0
	Channel	Frequency (MHz)		331334	333334	333334	Time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3470.01	3500.01	3530.01	23.0	0.0
	Channel	Frequency (MHz)		21.81	21.81	21.83	23.0	0.0
	Channel	Frequency (MHz)		631000	633334	633668	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485	3300.01	3335.02	23.0	0.0
	Channel	Frequency (MHz)		21.88	21.95	21.87	23.0	0.0
	Channel	Frequency (MHz)		636668	633334	638000	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3482.01	3500.01	3500.01	23.0	0.0
	Channel	Frequency (MHz)		21.82	21.87	21.87	23.0	0.0
	Channel	Frequency (MHz)		635000	633334	636168	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.81	21.94	21.76	23.0	0.0
	Channel	Frequency (MHz)		333333	333334	333334	Time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3455.01	3500.01	3545.01	23.0	0.0
10	QPSK	1	1	21.85	21.84	21.79	23.0	0.0

Part27Q n77 Ant8 PC2

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	P12 BPSK	1	1	23.18	3500.01			
100	P12 BPSK	1	137	24.12			24.5	0.0
100	P12 BPSK	1	271	23.10				
100	P12 BPSK	135	0	23.49			24.0	0.5
100	P12 BPSK	135	69	24.11			24.5	0.0
100	P12 BPSK	135	138	23.40			24.0	0.5
100	P12 BPSK	270	0	23.48				
100	QPSK	1	1	23.25				
100	QPSK	1	137	24.18			24.5	0.0
100	QPSK	1	271	23.15				
100	QPSK	135	0	23.01			23.5	1.0
100	QPSK	135	69	24.13			24.5	0.0
100	QPSK	135	138	22.83			23.5	1.0
100	QPSK	270	0	23.00				
100	16QAM	1	1	22.33			23.5	1.0
100	64QAM	1	1	20.89			22.0	2.5
100	256QAM	1	1	18.84			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.10	24.07	24.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.03	24.13	24.01	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.03	24.11	23.97	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.03	24.09	24.07	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.10	24.12	24.00	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.05	24.05	24.03	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.01	24.06	24.05	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.06	24.09	24.00	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.12	24.05	24.01	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.01	24.14	23.95	24.5	0.0

Part27O n78 Ant8

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	P12 BPSK	1	1	23.88	3750	3750		
100	P12 BPSK	1	137	21.81			23.0	0.0
100	P12 BPSK	1	271	20.83				
100	P12 BPSK	135	0	21.67			23.0	0.0
100	P12 BPSK	135	69	21.78			23.0	0.0
100	P12 BPSK	135	138	21.63			23.0	0.0
100	P12 BPSK	270	0	21.65				
100	QPSK	1	1	20.95				
100	QPSK	1	137	21.89			23.0	0.0
100	QPSK	1	271	20.86				
100	QPSK	135	0	21.74			23.0	0.0
100	QPSK	135	69	21.85			23.0	0.0
100	QPSK	135	138	21.67			23.0	0.0
100	QPSK	270	0	21.72				
100	16QAM	1	1	20.76			23.0	0.0
100	64QAM	1	1	20.71			23.0	0.0
100	256QAM	1	1	19.77			21.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.76	21.82	21.81	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.75	21.86	21.76	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.69	21.74	21.60	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.66	21.80	21.75	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.72	21.77	21.76	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.67	21.75	21.73	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.69	21.78	21.73	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.73	21.81	21.71	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.72	21.82	21.72	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.80	21.70	23.0	0.0

Part27O n78 Ant8 PC2

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	P12 BPSK	1	1	23.23	3750	3750		
100	P12 BPSK	1	137	24.11			24.5	0.0
100	P12 BPSK	1	271	23.15				
100	P12 BPSK	135	0	23.35			24.0	0.5
100	P12 BPSK	135	69	24.06			24.5	0.0
100	P12 BPSK	135	138	23.32			24.0	0.5
100	P12 BPSK	270	0	23.38				
100	QPSK	1	1	23.28				
100	QPSK	1	137	24.16			24.5	0.0
100	QPSK	1	271	23.18				
100	QPSK	135	0	22.94			23.5	1.0
100	QPSK	135	69	24.11			24.5	0.0
100	QPSK	135	138	22.88			23.5	1.0
100	QPSK	270	0	23.05				
100	16QAM	1	1	22.49			23.5	1.0
100	64QAM	1	1	21.02			22.0	2.5
100	256QAM	1	1	18.84			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.10	24.07	24.01	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.02	24.06	24.00	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.04	24.09	23.99	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.04	24.08	24.02	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.09	24.12	24.06	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.08	24.03	24.01	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.03	24.08	24.02	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.05	24.01	23.97	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.08	24.07	24.03	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.00	24.04	24.00	24.5	0.0

Part27Q n78 Ant8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633334		3500.01	
Frequency (MHz)				21.66		21.97	
100	PI2 BPSK	1	1				
100	PI2 BPSK	1	137				23.0
100	PI2 BPSK	1	271				
100	PI2 BPSK	135	0				23.0
100	PI2 BPSK	135	69				23.0
100	PI2 BPSK	135	138				23.0
100	PI2 BPSK	270	0				23.0
100	QPSK	1	1				
100	QPSK	1	137				23.0
100	QPSK	1	271				
100	QPSK	135	0				23.0
100	QPSK	135	69				23.0
100	QPSK	135	138				23.0
100	QPSK	270	0				23.0
100	16QAM	1	1				23.0
100	64QAM	1	1				23.0
100	256QAM	1	1				21.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1				23.0
Channel				632098	633334	634580	
Frequency (MHz)				3480.02	3500.01	3519.01	
80	QPSK	1	1				23.0
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1				23.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1				23.0
Channel				631548	633334	635500	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1				23.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3520.01	
40	QPSK	1	1				23.0
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1				23.0
Channel				630500	633334	635500	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1				23.0
Channel				630000	633334	635768	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1				23.0
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	1				23.0

Part27Q n78 Ant8 PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633334		3500.01	
Frequency (MHz)				23.27		24.11	
100	PI2 BPSK	1	1				24.5
100	PI2 BPSK	1	137				24.0
100	PI2 BPSK	1	271				24.0
100	PI2 BPSK	135	0				24.5
100	PI2 BPSK	135	69				24.5
100	PI2 BPSK	135	138				24.5
100	PI2 BPSK	270	0				24.5
100	QPSK	1	1				24.5
100	QPSK	1	137				24.5
100	QPSK	1	271				24.5
100	QPSK	135	0				24.5
100	QPSK	135	69				24.5
100	QPSK	135	138				24.5
100	QPSK	270	0				24.5
100	16QAM	1	1				24.5
100	64QAM	1	1				24.5
100	256QAM	1	1				24.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1				24.5
Channel				632098	633334	634000	
Frequency (MHz)				3480.02	3500.01	3519.01	
80	QPSK	1	1				24.5
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1				24.5
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1				24.5
Channel				631548	633334	635500	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1				24.5
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3520.01	
40	QPSK	1	1				24.5
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1				24.5
Channel				630500	633334	635500	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1				24.5
Channel				630000	633334	635768	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1				24.5
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	1				24.5

ECI3 Power

n2 Ant0 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000			
Frequency (MHz)				1860	1860	1860			
30	PI2 BPSK	1	1	15.80	15.91	15.74			
30	PI2 BPSK	1	80	15.05	15.19	15.10	17.0	0.0	
30	PI2 BPSK	1	158	15.85	15.02	15.85			
30	PI2 BPSK	80	0	15.86	15.89	15.80	17.0	0.0	
30	PI2 BPSK	80	40	16.02	16.15	16.06	17.0	0.0	
30	PI2 BPSK	80	80	15.85	16.02	15.89	17.0	0.0	
30	PI2 BPSK	160	0	15.84	15.92	15.70			
30	QPSK	1	1	16.02	16.22	16.05			
30	QPSK	1	80	15.92	16.01	15.93	17.0	0.0	
30	QPSK	1	158	15.79	15.86	15.80			
30	QPSK	80	0	16.04	15.89	16.12	17.0	0.0	
30	QPSK	80	40	15.98	16.20	15.88	17.0	0.0	
30	QPSK	80	80	16.80	16.83	16.61	17.0	0.0	
30	QPSK	160	0	16.02	16.16	16.16			
30	16QAM	1	1	15.85	15.98	15.86	17.0	0.0	
30	64QAM	1	1	15.95	15.97	15.92	17.0	0.0	
30	256QAM	1	1	15.96	15.97	15.83	17.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	16.04	16.20	16.14	17.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1900			
20	QPSK	1	1	16.02	16.13	16.03	17.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1861.5	1880	1897.5			
15	QPSK	1	1	15.85	15.95	15.91	17.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	15.94	15.94	15.92	17.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	15.96	16.00	15.92	17.0	0.0	

n5 Ant0 ECI3									
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					167500				
Frequency (MHz)					837.5				
25	PI2 BPSK	1	1		22.10				
25	PI2 BPSK	1	67		22.33		23.5	0.0	
25	PI2 BPSK	1	131		21.96				
25	PI2 BPSK	64	0		22.10		23.5	0.0	
25	PI2 BPSK	64	35		22.43		23.5	0.0	
25	PI2 BPSK	64	69		22.04		23.5	0.0	
25	PI2 BPSK	128	0		22.00				
25	QPSK	1	1		22.46		23.5	0.0	
25	QPSK	1	67		22.02				
25	QPSK	1	131		22.06				
25	QPSK	64	0		21.74		23.0	0.5	
25	QPSK	64	35		22.07		23.5	0.0	
25	QPSK	64	69		21.76		23.0	0.5	
25	QPSK	128	0		21.83				
25	16QAM	1	1		21.32		23.0	0.5	
25	64QAM	1	1		20.00		21.5	2.0	
25	256QAM	1	1		18.53		19.5	4.0	
Channel					166800	167500	167600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					834	836.5	836		
20	QPSK	1	1	22.04	22.11	22.00	0.0	0.0	
Channel					166300	167000	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					831.5	836.5	841.5		
15	QPSK	1	1	22.03	22.09	22.13	23.5	0.0	
Channel					165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					829	836.5	844		
10	QPSK	1	1	22.11	22.08	22.06	23.5	0.0	
Channel					165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					826.5	836.5	846.5		
5	QPSK	1	1	22.10	22.09	22.06	23.5	0.0	

n12 Ant0									
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				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.84	22.98	22.75			
15	PI2 BPSK	1	40	22.75	22.83	22.71	24.0	0.0	
15	PI2 BPSK	1	77	22.73	22.80	22.71			
15	PI2 BPSK	36	0	22.56	22.65	22.52	23.5	0.5	
15	PI2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0	
15	PI2 BPSK	36	43	22.54	22.61	22.50	23.5	0.5	
15	PI2 BPSK	75	0	22.56	22.64	22.61			
15	QPSK	1	1	22.87	22.92	22.81			
15	QPSK	1	40	22.83	22.87	22.77	24.0	0.0	
15	QPSK	1	77	22.72	22.81	22.66			
15	QPSK	36	0	22.04	22.12	22.08	23.0	1.0	
15	QPSK	36	22	22.82	22.85	22.77	24.0	0.0	
15	QPSK	36	43	22.02	22.07	21.94	23.0	1.0	
15	QPSK	75	0	22.05	22.13	22.00			
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0	
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5	
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5	
Channel					140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					704	707.5	711		
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0	
Channel					140500	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					701.5	707.5	713.5		
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0	

n14 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modulo Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1		22.57		24.0	0.0	
10	PI2 BPSK	1	26		22.50				
10	PI2 BPSK	1	50		22.50				
10	PI2 BPSK	25	0		22.12		23.5	0.5	
10	PI2 BPSK	25	14		22.56		24.0	0.0	
10	PI2 BPSK	25	27		22.07		23.5	0.5	
10	PI2 BPSK	50	0		22.14		24.0	0.0	
10	QPSK	1	1		22.64				
10	QPSK	1	26		22.58				
10	QPSK	1	50		22.55		23.0	1.0	
10	QPSK	25	0		21.73				
10	QPSK	25	14		22.60				
10	QPSK	25	27		21.66		23.0	1.0	
10	QPSK	50	0		21.76		23.0	1.0	
10	16QAM	1	1		21.36				
10	64QAM	1	1		19.91		21.5	2.5	
10	256QAM	1	1		18.43		19.5	4.5	
Channel				159100	159500	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	22.53	22.52	22.49	24.0	0.0	

n25 Ant0 ECI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
45	PI2 BPSK	1	1	15.17	15.35	15.32	17.0	0.0			
45	PI2 BPSK	1	61	15.97	16.07	15.95					
45	PI2 BPSK	1	121	15.36	15.51	15.26					
45	PI2 BPSK	121	0	15.18	15.41	15.26	17.0	0.0			
45	PI2 BPSK	121	61	16.02	16.14	15.95	17.0	0.0			
45	PI2 BPSK	121	121	15.43	15.46	15.35	17.0	0.0			
45	PI2 BPSK	242	0	15.19	15.36	15.29	17.0	0.0			
45	QPSK	1	1	15.29	15.44	15.32					
45	QPSK	1	61	16.04	16.21	16.03					
45	QPSK	1	121	15.30	15.44	15.27	17.0	0.0			
45	QPSK	121	0	16.03	16.10	15.96					
45	QPSK	121	61	15.36	16.16	15.36					
45	QPSK	121	121	15.16	15.31	15.29	17.0	0.0			
45	QPSK	242	0	15.96	16.04	15.98	17.0	0.0			
45	16QAM	1	1	15.38	15.50	15.38	17.0	0.0			
45	64QAM	1	1	15.42	15.45	15.35	17.0	0.0			
45	256QAM	1	1	15.37	15.42	15.32	17.0	0.0			
Channel				314000	316000	315000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1610	1662.5	1665					
40	QPSK	1	1	15.36	15.51	15.26	0.0	0.0			
Channel											
Frequency (MHz)											
35	QPSK	1	1	15.32	15.48	15.28	17.0	0.0			
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1864	1862.5	1860					
30	QPSK	1	1	15.40	15.49	15.32	17.0	0.0			
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1862.5	1862.5	1862.5					
25	QPSK	1	1	15.34	15.49	15.34	17.0	0.0			
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1860	1862.5	1865					
20	QPSK	1	1	15.42	15.42	15.32	17.0	0.0			
Channel				317500	319500	317500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1657.5	1662.5	1667.5					
15	QPSK	1	1	15.32	15.50	15.33	17.0	0.0			
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1864	1862.5	1860					
10	QPSK	1	1	15.42	15.40	15.25	17.0	0.0			
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1862.5	1862.5	1912.5					
5	QPSK	1	1	15.39	15.47	15.36	17.0	0.0			

n26 AnT0 EC13										
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)				804	831.5	839				
20	PI2 BPSK	1	1	21.74	21.50	21.67	23.0	0.0		
20	PI2 BPSK	1	53	21.74	21.71	21.68				
20	PI2 BPSK	1	104	21.58	21.72	21.66				
20	PI2 BPSK	50	0	21.77	21.67	21.63	23.0	0.0		
20	PI2 BPSK	50	28	21.67	21.60	21.63	23.0	0.0		
20	PI2 BPSK	50	56	21.60	21.73	21.54	23.0	0.0		
20	PI2 BPSK	100	0	21.66	21.66	21.63	23.0	0.0		
20	QPSK	1	1	21.74	21.62	21.61				
20	QPSK	1	53	21.61	21.67	21.63				
20	QPSK	1	104	21.62	21.66	21.62	23.0	0.0		
20	QPSK	50	0	21.69	21.61	21.59				
20	QPSK	50	28	21.58	21.60	21.62				
20	QPSK	50	56	21.63	21.62	21.76	23.0	0.0		
20	QPSK	100	0	21.73	21.75	21.63	23.0	0.0		
20	16QAM	1	1	21.67	21.69	21.63	23.0	0.0		
20	64QAM	1	1	19.95	20.06	19.99	21.5	1.5		
20	256QAM	1	1	18.51	18.62	18.57	19.5	3.5		
Channel				164300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	21.66	21.73	21.69	23.0	0.0		
Channel				163300	166300	166300	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				816.5	831.5	846.5				
10	QPSK	1	1	21.70	21.77	21.69	23.0	0.0		
Channel				163300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	21.68	21.78	21.60	23.0	0.0	0.0	
16.04	16.24	16.03								

16.04 16.24 16.03

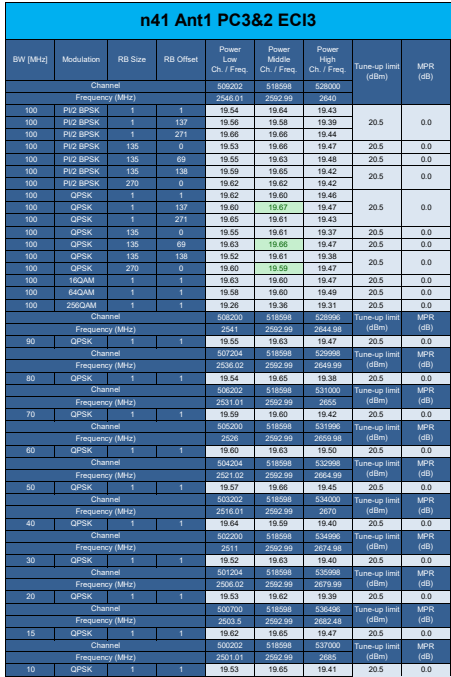
n66 Ant0 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351000			
Frequency (MHz)				1721.5	1724	1725.5			
45	PI2 BPSK	1	1	17.37	17.34	17.25			
45	PI2 BPSK	1	61	17.82	17.93	17.87	19.0	0.0	
45	PI2 BPSK	1	121	17.17	17.21	17.21			
45	PI2 BPSK	121	0	17.28	17.30	17.25	19.0	0.0	
45	PI2 BPSK	121	61	17.83	17.88	17.87	19.0	0.0	
45	PI2 BPSK	121	121	17.15	17.21	17.13	19.0	0.0	
45	PI2 BPSK	242	0	17.36	17.30	17.25			
45	QPSK	1	1	17.13	17.20	17.13			
45	QPSK	1	61	17.86	17.89	17.87	19.0	0.0	
45	QPSK	1	121	17.35	17.27	17.29			
45	QPSK	121	0	17.85	17.90	17.91	19.0	0.0	
45	QPSK	121	61	17.12	17.95	17.20	19.0	0.0	
45	QPSK	121	121	17.31	17.28	17.27			
45	QPSK	242	0	17.89	17.91	17.88	19.0	0.0	
45	16QAM	1	1	17.12	17.26	17.12	19.0	0.0	
45	64QAM	1	1	17.90	17.94	17.95	19.0	0.0	
45	256QAM	1	1	17.83	17.94	17.96	19.0	0.0	
Channel				349000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.84	17.94	17.89	19.0	0.0	
Channel				349500	349500	352500			
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	17.84	17.94	17.89	19.0	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1762.5			
30	QPSK	1	1	17.87	17.95	17.89	19.0	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1762.5			
25	QPSK	1	1	17.80	17.89	17.85	19.0	0.0	
Channel				346000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.85	17.96	17.92	19.0	0.0	
Channel				345500	349500	355000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.90	17.88	17.93	19.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	17.82	17.94	17.88	19.0	0.0	
Channel				342000	349000	355000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.92	17.91	17.91	19.0	0.0	

n70 Ant0 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					340500				
Frequency (MHz)					1922.5				
15	PI2 BPSK	1	1		19.02				
15	PI2 BPSK	1	40		18.94		20.0	0.0	
15	PI2 BPSK	1	77		19.03				
15	PI2 BPSK	36	0		18.92		20.0	0.0	
15	PI2 BPSK	36	22		18.94		20.0	0.0	
15	PI2 BPSK	36	43		18.96		20.0	0.0	
15	PI2 BPSK	75	0		19.01				
15	QPSK	1	1		19.06				
15	QPSK	1	40		18.92		20.0	0.0	
15	QPSK	1	77		18.98				
15	QPSK	36	0		18.94		20.0	0.0	
15	QPSK	36	22		19.05		20.0	0.0	
15	QPSK	36	43		18.96		20.0	0.0	
15	QPSK	75	0		18.97		20.0	0.0	
15	16QAM	1	1		19.01		20.0	0.0	
15	64QAM	1	1		18.95		20.0	0.0	
15	256QAM	1	1		18.86		18.5	0.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	18.86	18.98	19.00	20.0	0.0	
Channel				339500	340500	341500			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	18.93	18.98	19.09	20.0	0.0	

n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.92	23.05	22.97			
20	PI2 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	PI2 BPSK	1	104	22.73	22.83	22.79			
20	PI2 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	PI2 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.52	22.38	23.5	0.5	
20	PI2 BPSK	100	0	22.50	22.58	22.52			
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.90	22.95	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.05	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.96	22.00	21.91			
20	QPSK	100	0	22.01	22.04	21.97	23.0	1.0	
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	18.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.93	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.92	23.08	22.96	24.0	0.0	

n7 Ant1 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.69	19.73	19.60			
50	PI/2 BPSK	1	135	19.57	19.55	19.57	20.5	0.0	
50	PI/2 BPSK	1	268	19.27	19.30	19.26			
50	PI/2 BPSK	135	0	19.65	19.77	19.62			
50	PI/2 BPSK	135	68	19.49	19.60	19.53	20.5	0.0	
50	PI/2 BPSK	135	135	19.19	19.26	19.22	20.5	0.0	
50	PI/2 BPSK	270	0	19.73	19.72	19.66			
50	QPSK	1	1	19.52	19.78	19.55			
50	QPSK	1	135	19.16	19.27	19.24	20.5	0.0	
50	QPSK	1	268	19.70	19.77	19.69			
50	QPSK	135	0	19.53	19.64	19.49			
50	QPSK	135	68	19.18	19.74	19.26	20.5	0.0	
50	QPSK	135	135	19.68	19.64	19.65	20.5	0.0	
50	QPSK	270	0	19.52	19.58	19.47			
50	16QAM	1	1	19.18	19.30	19.17	20.5	0.0	
50	64QAM	1	1	19.53	19.55	19.57	20.5	0.0	
50	256QAM	1	1	18.89	18.92	18.84	19.5	1.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	20.5	0.0	
40	QPSK	1	1	19.62	19.59	19.56			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	20.5	0.0	
30	QPSK	1	1	19.56	19.65	19.48			
Channel				502500	507000	511500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	20.5	0.0	
25	QPSK	1	1	19.49	19.68	19.52			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	20.5	0.0	
20	PI/2 BPSK	1	1	19.56	19.54	19.55			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0	
15	QPSK	1	1	19.61	19.67	19.49			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.5	0.0	
10	QPSK	1	1	19.58	19.63	19.47			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0	
5	QPSK	1	1	19.49	19.56	19.45			

n30 Ant1 ECI3									
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						462000			
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1			20.73			
10	PI/2 BPSK	1	26			20.71	21.5	0.0	
10	PI/2 BPSK	1	50			20.85			
10	PI/2 BPSK	25	0			20.85			
10	PI/2 BPSK	25	14			20.76	21.5	0.0	
10	PI/2 BPSK	25	27			20.71			
10	PI/2 BPSK	50	0			20.82			
10	QPSK	1	1			20.86	21.5	0.0	
10	QPSK	1	26			20.77			
10	QPSK	1	50			20.76			
10	QPSK	25	0			20.76	21.5	0.0	
10	QPSK	25	14			20.81			
10	QPSK	25	27			20.80			
10	QPSK	50	0			20.75	21.5	0.0	
10	16QAM	1	1			20.73			
10	64QAM	1	1			20.39			
10	256QAM	1	1			18.89	19.5	2.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	21.5	0.0	
5	QPSK	1	1	20.79	20.84	20.77			



Part270 n77 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MFR (dB)	
Channel									
	Frequency (MHz)			650000	656000	662000			
100	P12 BPSK	1	1	19.12	19.22	19.17			
100	P12 BPSK	1	137	19.08	20.03	19.96	21.0	0.0	
100	P12 BPSK	1	271	19.05	19.14	19.05			
100	P12 BPSK	135	0	19.05	19.07	19.00	21.0	0.0	
100	P12 BPSK	136	89	19.04	20.04	19.98	21.0	0.0	
100	P12 BPSK	135	136	19.00	19.98	19.92	21.0	0.0	
100	P12 BPSK	270	0	19.81	19.95	19.86			
100	QPSK	1	1	19.24	19.27	19.19			
100	QPSK	1	137	20.08	20.20	20.10	21.0	0.0	
100	QPSK	1	271	19.91	19.92	19.87			
100	QPSK	135	0	19.86	20.00	19.87	21.0	0.0	
100	QPSK	136	89	20.17	20.21	19.95	21.0	0.0	
100	QPSK	135	136	19.87	19.98	19.84	21.0	0.0	
100	QPSK	270	0	19.91	20.07	19.94			
100	16QAM	1	1	19.01	19.08	19.84	21.0	0.0	
100	64QAM	1	1	18.86	19.01	19.84	21.0	0.0	
100	256QAM	1	1	18.10	18.14	17.90	19.5	1.5	
Channel									
	Frequency (MHz)			649989	656000	663334	Time-up limit (dBm)	MFR (dB)	
90	QPSK	1	1	20.03	20.34	19.97	21.0	0.0	
Channel									
	Frequency (MHz)			649333	656000	663334	Time-up limit (dBm)	MFR (dB)	
80	QPSK	1	1	20.01	20.21	19.93	21.0	0.0	
Channel									
	Frequency (MHz)			649900	656000	663000	Time-up limit (dBm)	MFR (dB)	
70	QPSK	1	1	20.04	20.23	19.91	21.0	0.0	
Channel									
	Frequency (MHz)			649886	656000	663334	Time-up limit (dBm)	MFR (dB)	
60	QPSK	1	1	20.02	20.17	19.84	21.0	0.0	
Channel									
	Frequency (MHz)			649333	656000	663334	Time-up limit (dBm)	MFR (dB)	
50	QPSK	1	1	20.01	20.25	19.95	21.0	0.0	
Channel									
	Frequency (MHz)			649300	656000	663000	Time-up limit (dBm)	MFR (dB)	
40	QPSK	1	1	19.96	20.16	19.90	21.0	0.0	
Channel									
	Frequency (MHz)			647668	656000	664334	Time-up limit (dBm)	MFR (dB)	
30	QPSK	1	1	19.96	20.14	19.91	21.0	0.0	
Channel									
	Frequency (MHz)			647334	656000	664668	Time-up limit (dBm)	MFR (dB)	
20	QPSK	1	1	20.01	20.16	19.84	21.0	0.0	
Channel									
	Frequency (MHz)			647163	656000	664834	Time-up limit (dBm)	MFR (dB)	
15	QPSK	1	1	19.97	20.18	19.95	21.0	0.0	
Channel									
	Frequency (MHz)			647000	656000	665000	Time-up limit (dBm)	MFR (dB)	
10	QPSK	1	1	19.94	20.19	19.88	21.0	0.0	

Part270 n77 Ant1 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
				650000	656000	662000			
				2030	2030	2030			
100	P22 BPSK	1	1	19.68	19.74	19.82			
				2030	2030	2030			
100	P22 BPSK	1	137	20.51	20.47	20.46	21.0	0.0	
				2030	2030	2030			
100	P22 BPSK	1	271	19.51	19.60	19.52			
				2030	2030	2030			
100	P22 BPSK	15	0	20.38	20.41	20.38	21.0	0.0	
				2030	2030	2030			
100	P22 BPSK	135	69	20.46	20.52	20.52	21.0	0.0	
				2030	2030	2030			
100	P22 BPSK	135	136	20.35	20.37	20.35	21.0	0.0	
				2030	2030	2030			
100	P22 BPSK	270	0	20.38	20.46	20.35	21.0	0.0	
				2030	2030	2030			
100	QPSK	1	1	19.81	19.77	19.75			
				2030	2030	2030			
100	QPSK	1	137	20.58	20.53	20.51	21.0	0.0	
				2030	2030	2030			
100	QPSK	1	271	19.34	19.48	19.43			
				2030	2030	2030			
100	QPSK	135	0	20.39	20.41	20.41	21.0	0.0	
				2030	2030	2030			
100	QPSK	135	69	20.67	20.74	20.39	21.0	0.0	
				2030	2030	2030			
100	QPSK	135	138	20.44	20.52	20.25	21.0	0.0	
				2030	2030	2030			
100	QPSK	270	0	20.34	20.58	20.41	21.0	0.0	
				2030	2030	2030			
100	16QAM	1	1	19.53	19.56	19.50	21.0	0.0	
				2030	2030	2030			
100	64QAM	1	1	19.40	19.53	19.46	21.0	0.0	
				2030	2030	2030			
100	256QAM	1	1	19.22	19.33	19.34	21.0	0.0	
				2030	2030	2030			
Channel									
				649698	656000	662334	Time-up limit (dBm)	MPR	
				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	20.36	20.45	20.27	21.0	0.0	
				649698	656000	662334	Time-up limit (dBm)	MPR	
				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	20.33	20.49	20.30	21.0	0.0	
				649698	656000	663300	Time-up limit (dBm)	MPR	
				3732	3840	3945	(dBm)		
70	QPSK	1	1	20.34	20.53	20.34	21.0	0.0	
				649698	656000	663334	Time-up limit (dBm)	MPR	
				3732	3840	3945	(dBm)		
60	QPSK	1	1	20.39	20.53	20.34	21.0	0.0	
				649698	656000	663334	Time-up limit (dBm)	MPR	
				3732	3840	3945	(dBm)		
50	QPSK	1	1	20.34	20.43	20.28	21.0	0.0	
				649698	656000	663334	Time-up limit (dBm)	MPR	
				3720	3840	3960	(dBm)		
40	QPSK	1	1	20.43	20.44	20.28	21.0	0.0	
				647698	656000	664334	Time-up limit (dBm)	MPR	
				3715.02	3840	3965.01	(dBm)		
30	QPSK	1	1	20.38	20.45	20.28	21.0	0.0	
				647334	656000	664668	Time-up limit (dBm)	MPR	
				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	20.41	20.47	20.30	21.0	0.0	
				647000	656000	664834	Time-up limit (dBm)	MPR	
				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	20.40	20.52	20.29	21.0	0.0	
				647000	656000	665000	Time-up limit (dBm)	MPR	
				3705	3840	3978	(dBm)		
10	QPSK	1	1	20.32	20.48	20.29	21.0	0.0	

Part27Q n77 Ant1

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				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		19.26				
100	Pi/2 BPSK	1	137		20.28		21.0	0.0	
100	Pi/2 BPSK	1	271		19.41				
100	Pi/2 BPSK	135	0		20.12		21.0	0.0	
100	Pi/2 BPSK	135	69		20.24		21.0	0.0	
100	Pi/2 BPSK	135	136		20.19		21.0	0.0	
100	Pi/2 BPSK	270	0		20.11		21.0	0.0	
100	QPSK	1	1		19.33				
100	QPSK	1	137		20.34		21.0	0.0	
100	QPSK	1	271		19.46				
100	QPSK	135	0		20.15		21.0	0.0	
100	QPSK	135	69		20.26		21.0	0.0	
100	QPSK	135	136		20.16		21.0	0.0	
100	QPSK	270	0		20.08		21.0	0.0	
100	16QAM	1	1		19.18		21.0	0.0	
100	64QAM	1	1		19.13		21.0	0.0	
100	256QAM	1	1		18.21		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.11	20.19	20.16	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.13	20.24	20.17	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3510.02			
70	QPSK	1	1		20.20	20.27	20.19	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3510.02			
60	QPSK	1	1		20.21	20.29	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.12	20.31	20.12	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.14	20.21	20.19	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.11	20.20	20.14	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.14	20.29	20.19	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.14	20.29	20.18	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.21	20.30	20.20	21.0	0.0

Part27Q n77 Ant1 PC2

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				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		19.71				
100	Pi/2 BPSK	1	137		20.72		21.0	0.0	
100	Pi/2 BPSK	1	271		19.90				
100	Pi/2 BPSK	135	0		20.08		21.0	0.0	
100	Pi/2 BPSK	135	69		20.79		21.0	0.0	
100	Pi/2 BPSK	135	138		20.65				
100	Pi/2 BPSK	270	0		20.62		21.0	0.0	
100	QPSK	1	1		19.86				
100	QPSK	1	137		20.89		21.0	0.0	
100	QPSK	1	271		19.98				
100	QPSK	135	0		20.59		21.0	0.0	
100	QPSK	135	69		20.62		21.0	0.0	
100	QPSK	135	138		20.84				
100	QPSK	270	0		20.58		21.0	0.0	
100	16QAM	1	1		19.64		21.0	0.0	
100	64QAM	1	1		19.60		21.0	0.0	
100	256QAM	1	1		18.73		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.65	20.63	20.60	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.63	20.76	20.64	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3484.01	3500.01	3515.01			
70	QPSK	1	1		20.56	20.63	20.68	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.62	20.68	20.72	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.68	20.70	20.67	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.57	20.63	20.61	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.55	20.72	20.64	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.58	20.62	20.67	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.60	20.75	20.69	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.59	20.65	20.64	21.0	0.0

Part27O n78 Ant1

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				650000					
Frequency (MHz)				3760					
100	Pi/2 BPSK	1	1		19.37				
100	Pi/2 BPSK	1	137		20.31		21.0	0.0	
100	Pi/2 BPSK	1	271		19.29				
100	Pi/2 BPSK	135	0		20.14		21.0	0.0	
100	Pi/2 BPSK	135	69		20.31		21.0	0.0	
100	Pi/2 BPSK	135	138		20.09				
100	Pi/2 BPSK	270	0		20.03		21.0	0.0	
100	QPSK	1	1		19.42				
100	QPSK	1	137		20.37		21.0	0.0	
100	QPSK	1	271		19.33				
100	QPSK	135	0		20.19		21.0	0.0	
100	QPSK	135	69		20.33		21.0	0.0	
100	QPSK	135	138		20.14				
100	QPSK	270	0		20.06		21.0	0.0	
100	16QAM	1	1		19.21		21.0	0.0	
100	64QAM	1	1		19.15		21.0	0.0	
100	256QAM	1	1		18.27		19.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.29	20.32	20.21	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.25	20.30	20.24	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01			
70	QPSK	1	1		20.20	20.33	20.16	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3765.02			
60	QPSK	1	1		20.26	20.26	20.17	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.25	20.28	20.21	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1		20.20	20.26	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		20.28	20.22	20.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3765.02			
20	QPSK	1	1		20.24	20.25	20.21	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.51			
15	QPSK	1	1		20.30	20.30	20.25	21.0	0.0
Channel				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3765			
10	QPSK	1	1		20.25	20.32	20.22	21.0	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				65000					
Frequency (MHz)				3750					
100	PV2 BPSK	1	1		19.61				
100	PV2 BPSK	1	137		20.49		21.0	0.0	
100	PV2 BPSK	1	271		19.55				
100	PV2 BPSK	135	0		20.34		21.0	0.0	
100	PV2 BPSK	135	69		20.53		21.0	0.0	
100	PV2 BPSK	135	136		20.26				
100	PV2 BPSK	270	0		20.18		21.0	0.0	
100	QPSK	1	1		19.62				
100	QPSK	1	137		20.55		21.0	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	0		20.42		21.0	0.0	
100	QPSK	135	69		20.55		21.0	0.0	
100	QPSK	135	136		20.27				
100	QPSK	270	0		20.20		21.0	0.0	
100	16QAM	1	1		19.36		21.0	0.0	
100	64QAM	1	1		19.34		21.0	0.0	
100	256QAM	1	1		18.43		19.5	1.5	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.47	20.48	20.47	21.0	0.0
Channel				64934	65000	65066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.48	20.46	20.45	21.0	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765			
70	QPSK	1	1		20.44	20.49	20.38	21.0	0.0
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.49	20.45	20.44	21.0	0.0
Channel				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.51	20.51	20.43	21.0	0.0
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.52	20.53	20.38	21.0	0.0
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		20.52	20.51	20.40	21.0	0.0
Channel				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.46	20.47	20.45	21.0	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		20.54	20.52	20.47	21.0	0.0
Channel				64668	65000	65334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		20.48	20.54	20.46	21.0	0.0

Part27Q n78 Ant1

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				63334					
Frequency (MHz)				3600.01					
100	PV2 BPSK	1	1		19.18				
100	PV2 BPSK	1	137		20.06		21.0	0.0	
100	PV2 BPSK	1	271		19.48				
100	PV2 BPSK	135	0		19.64		21.0	0.0	
100	PV2 BPSK	135	69		19.74		21.0	0.0	
100	PV2 BPSK	135	136		19.92				
100	PV2 BPSK	270	0		19.74		21.0	0.0	
100	QPSK	1	1		19.24				
100	QPSK	1	137		20.13		21.0	0.0	
100	QPSK	1	271		19.89				
100	QPSK	135	0		19.89		21.0	0.0	
100	QPSK	135	69		20.04		21.0	0.0	
100	QPSK	135	136		19.97				
100	QPSK	270	0		19.95		21.0	0.0	
100	16QAM	1	1		18.83		21.0	0.0	
100	64QAM	1	1		18.79		21.0	0.0	
100	256QAM	1	1		18.25		19.5	1.5	
Channel				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.04	20.06	19.99	21.0	0.0
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.99	20.01	19.92	21.0	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.96	20.07	19.87	21.0	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.04	20.01	19.93	21.0	0.0
Channel				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.01	20.08	19.86	21.0	0.0
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.00	20.03	19.86	21.0	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.99	19.98	19.86	21.0	0.0
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.97	20.09	19.94	21.0	0.0
Channel				63030	63334	63638	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.96	19.99	19.93	21.0	0.0
Channel				63004	63334	63674	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.97	20.04	19.89	21.0	0.0

Part27Q n78 Ant1 PC2

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				63334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		19.42				
100	PV2 BPSK	1	137		20.38		21.0	0.0	
100	PV2 BPSK	1	271		19.87				
100	PV2 BPSK	135	0		19.87		21.0	0.0	
100	PV2 BPSK	135	69		20.11		21.0	0.0	
100	PV2 BPSK	135	136		20.19				
100	PV2 BPSK	270	0		20.04		21.0	0.0	
100	QPSK	1	1		19.50				
100	QPSK	1	137		20.45		21.0	0.0	
100	QPSK	1	271		19.87				
100	QPSK	135	0		19.87		21.0	0.0	
100	QPSK	135	69		20.38		21.0	0.0	
100	QPSK	135	136		20.20				
100	QPSK	270	0		20.21		21.0	0.0	
100	16QAM	1	1		19.15		21.0	0.0	
100	64QAM	1	1		19.14		21.0	0.0	
100	256QAM	1	1		18.55		19.5	1.5	
Channel				63300	63334	63368	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.39	20.35	20.13	21.0	0.0
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.38	20.31	20.15	21.0	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		20.37	20.38	20.16	21.0	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.30	20.33	20.20	21.0	0.0
Channel				63168	63334	63500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.35	20.33	20.24	21.0	0.0
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.39	20.36	20.16	21.0	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.33	20.37	20.23	21.0	0.0
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.32	20.37	20.26	21.0	0.0
Channel				63030	63334	63638	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.32	20.42	20.25	21.0	0.0
Channel				63004	63334	63674	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.29	20.39	20.17	21.0	0.0



n41 Ant2 PC3&PC2 ECI3									
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				505202	518598	526000			
Frequency (MHz)				2568.03	2562.99	2640			
100	Pl2 BPSK	1	1	18.48	18.61	18.47			
100	Pl2 BPSK	1	137	18.59	18.64	18.52	19.0	0.0	
100	Pl2 BPSK	1	271	18.52	18.52	18.45			
100	Pl2 BPSK	135	0	18.57	18.62	18.40	19.0	0.0	
100	Pl2 BPSK	135	69	18.56	18.66	18.39	19.0	0.0	
100	Pl2 BPSK	135	138	18.51	18.65	18.39			
100	Pl2 BPSK	270	0	18.48	18.66	18.43			
100	QPSK	1	1	18.47	18.62	18.48			
100	QPSK	1	137	18.60	18.67	18.51	19.0	0.0	
100	QPSK	1	271	18.57	18.59	18.40			
100	QPSK	135	0	18.50	18.61	18.43	19.0	0.0	
100	QPSK	135	69	18.50	18.66	18.51	19.0	0.0	
100	QPSK	135	138	18.47	18.56	18.46			
100	QPSK	270	0	18.47	18.54	18.38	19.0	0.0	
100	16QAM	1	1	18.59	18.56	18.40	19.0		
100	16QAM	1	1	18.56	18.52	18.39	19.0	0.0	
100	256QAM	1	1	18.38	18.51	18.40	19.0		
Channel				508000	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	18.35	18.54	18.32	19.0	0.0	
Channel				507504	518598	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	18.35	18.50	18.30	19.0	0.0	
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2525.02	2592.99	2669.99	(dBm)		
70	QPSK	1	1	18.38	18.47	18.36	19.0	0.0	
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2523.03	2592.99	2668.99	(dBm)		
60	QPSK	1	1	18.45	18.46	18.26	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.03	2592.99	2664.99	(dBm)		
50	QPSK	1	1	18.42	18.48	18.37	19.0	0.0	
Channel				503200	518598	533000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.01	2592.99	2670	(dBm)		
40	QPSK	1	1	18.49	18.52	18.36	19.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	18.46	18.44	18.26	19.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2673.99	(dBm)		
20	QPSK	1	1	18.45	18.51	18.37	19.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2692.48	(dBm)		
15	QPSK	1	1	18.42	18.53	18.28	19.0	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)		
10	QPSK	1	1	18.48	18.49	18.30	19.0	0.0	

Part270 n77 Ant2 PC3&PC2 ECI3									
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				650000	650000	660000			
Frequency (MHz)				3700	3840	3960			
100	Pl2 BPSK	1	1	13.77	13.80	13.48			
100	Pl2 BPSK	1	137	13.72	13.76	13.38	14.5	0.0	
100	Pl2 BPSK	1	271	13.75	13.80	13.49			
100	Pl2 BPSK	135	0	13.76	13.86	13.42	14.5	0.0	
100	Pl2 BPSK	135	69	13.80	13.89	13.44	14.5	0.0	
100	Pl2 BPSK	135	138	13.70	13.82	13.48			
100	Pl2 BPSK	270	0	13.71	13.88	13.42			
100	QPSK	1	1	13.82	13.84	13.43			
100	QPSK	1	137	13.79	13.94	13.46	14.5	0.0	
100	QPSK	1	271	13.77	13.84	13.41			
100	QPSK	135	0	13.74	13.89	13.49	14.5	0.0	
100	QPSK	135	69	13.74	13.90	13.49	14.5	0.0	
100	QPSK	135	138	13.72	13.76	13.47			
100	QPSK	270	0	13.72	13.86	13.43	14.5	0.0	
100	16QAM	1	1	13.76	13.82	13.44	14.5	0.0	
100	64QAM	1	1	13.72	13.84	13.45	14.5	0.0	
100	256QAM	1	1	13.81	13.93	13.80	14.5	0.0	
Channel				646968	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3955.01	(dB)		
90	QPSK	1	1	13.60	13.53	13.27	14.5	0.0	
Channel				640334	650000	660968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dB)		
80	QPSK	1	1	13.53	13.55	13.22	14.5	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dB)		
70	QPSK	1	1	13.51	13.52	13.16	14.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3733.09	3840	3939.01	(dB)		
60	QPSK	1	1	13.49	13.50	13.25	14.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dB)		
50	QPSK	1	1	13.56	13.54	13.19	14.5	0.0	
Channel				645000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dB)		
40	QPSK	1	1	13.49	13.52	13.16	14.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.02	3840	3945.01	(dB)		
30	QPSK	1	1	13.54	13.52	13.20	14.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dB)		
20	QPSK	1	1	13.57	13.57	13.24	14.5	0.0	
Channel				647168	650000	664934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dB)		
15	QPSK	1	1	13.48	13.53	13.21	14.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dB)		
10	QPSK	1	1	13.52	13.50	13.26	14.5	0.0	

Part270Q n77 Ant2 PC3&PC2 ECI3									
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				633334			3840.01		
Frequency (MHz)				633334			3840.01		
100	Pl2 BPSK	1	1			13.62			
100	Pl2 BPSK	1	137			13.54	14.5	0.0	
100	Pl2 BPSK	1	271			13.58			
100	Pl2 BPSK	135	0			13.62	14.5	0.0	
100	Pl2 BPSK	135	69			13.62	14.5	0.0	
100	Pl2 BPSK	135	138			13.61	14.5	0.0	
100	Pl2 BPSK	270	0			13.50			
100	QPSK	1	1			13.63			
100	QPSK	1	137			13.64	14.5	0.0	
100	QPSK	1	271			13.50			
100	QPSK	135	0			13.59	14.5	0.0	
100	QPSK	135	69			13.60	14.5	0.0	
100	QPSK	135	138			13.53			
100	QPSK	270	0			13.50	14.5	0.0	
100	16QAM	1	1			13.56	14.5	0.0	
100	64QAM	1	1			13.60	14.5	0.0	
100	256QAM	1	1			13.53	14.5	0.0	
Channel				633000			633334		
Frequency (MHz)				3495			3500.01		
90	QPSK	1	1	13.43	13.40	13.10	14.5	0.0	
Channel				633000			633334		
Frequency (MHz)				3490.02			3500.01		
80	QPSK	1	1	13.38	13.30	13.08	14.5	0.0	
Channel				632334			634334		
Frequency (MHz)				3485.01			3500.01		
70	QPSK	1	1	13.39	13.47	13.13	14.5	0.0	
Channel				634000			633334		
Frequency (MHz)				3490			3500.01		
60	QPSK	1	1	13.43	13.39	13.11	14.5	0.0	
Channel				631998			633334		
Frequency (MHz)				3474.02			3500.01		
50	QPSK	1	1	13.43	13.46	13.14	14.5	0.0	
Channel				631234			633334		
Frequency (MHz)				3470.01			3500.01		
40	QPSK	1	1	13.38	13.48	13.08	14.5	0.0	
Channel				631000			633334		
Frequency (MHz)				3466			3500.01		
30	QPSK	1	1	13.40	13.48	13.06	14.5	0.0	
Channel				630668			633334		
Frequency (MHz)				3460.02			3500.01		
20	QPSK	1	1	13.44	13.46	13.12	14.5	0.0	
Channel				630000			633334		
Frequency (MHz)				3457.9			3500.01		
15	QPSK	1	1	13.37	13.43	13.08	14.5	0.0	
Channel				3450.01			3500.01		
10	QPSK	1	1	13.42	13.41	13.05	14.5	0.0	

Part270 n78 Ant2 PC3&PC2 ECI3

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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		13.93		14.5	0.0
100	PI2 BPSK	1	137		13.93			
100	PI2 BPSK	1	271		13.89		14.5	0.0
100	PI2 BPSK	135	0		13.93			
100	PI2 BPSK	135	69		13.93		14.5	0.0
100	PI2 BPSK	135	138		13.91			
100	PI2 BPSK	270	0		13.89		14.5	0.0
100	QPSK	1	1		13.94			
100	QPSK	1	137		13.92		14.5	0.0
100	QPSK	1	271		13.90			
100	QPSK	135	0		13.86		14.5	0.0
100	QPSK	135	69		13.91			
100	QPSK	135	138		13.86		14.5	0.0
100	QPSK	270	0		13.90			
100	16QAM	1	1		13.86		14.5	0.0
100	64QAM	1	1		13.88			
100	256QAM	1	1		13.88		14.5	0.0
Channel				64968	65000	65034	Tune-up limit (dB)	MPR
Frequency (MHz)				3740.02	3750	3755.01		
90	QPSK	1	1		13.53	13.52	14.5	0.0
Channel				649334	650000	650668	Tune-up limit (dB)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		13.61	13.53	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dB)	MPR
Frequency (MHz)				3730	3750	3765		
70	QPSK	1	1		13.54	13.61	14.5	0.0
Channel				648668	650000	651334	Tune-up limit (dB)	MPR
Frequency (MHz)				3720.02	3750	3770.01		
60	QPSK	1	1		13.60	13.55	14.5	0.0
Channel				648334	650000	651668	Tune-up limit (dB)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		13.56	13.54	14.5	0.0
Channel				648000	650000	650900	Tune-up limit (dB)	MPR
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1		13.55	13.53	14.5	0.0
Channel				647668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3715.00	3750	3765.01		
30	QPSK	1	1		13.62	13.60	14.5	0.0
Channel				647334	650000	650668	Tune-up limit (dB)	MPR
Frequency (MHz)				3710.01	3750	3760.02		
20	QPSK	1	1		13.61	13.57	14.5	0.0
Channel				647000	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1		13.62	13.57	14.5	0.0
Channel				646668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3705	3750	3755		
10	QPSK	1	1		13.58	13.55	14.5	0.0
Channel								

Part270Q n78 Ant2 PC2 ECI3

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					633334			
Frequency (MHz)					3600.01			
100	PI2 BPSK	1	1		13.79		14.5	0.0
100	PI2 BPSK	1	137		13.67			
100	PI2 BPSK	1	271		13.71		14.5	0.0
100	PI2 BPSK	135	0		13.75			
100	PI2 BPSK	135	69		13.80		14.5	0.0
100	PI2 BPSK	135	138		13.74			
100	PI2 BPSK	270	0		13.68		14.5	0.0
100	QPSK	1	1		13.70			
100	QPSK	1	137		13.81		14.5	0.0
100	QPSK	1	271		13.68			
100	QPSK	135	0		13.77		14.5	0.0
100	QPSK	135	69		13.78			
100	QPSK	135	138		13.74		14.5	0.0
100	QPSK	270	0		13.70			
100	16QAM	1	1		13.76		14.5	0.0
100	64QAM	1	1		13.70			
100	256QAM	1	1		13.72		14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		13.72	13.74	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1		13.75	13.66	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		13.72	13.67	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480.01	3500.01	3520.02		
60	QPSK	1	1		13.73	13.73	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		13.75	13.70	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		13.76	13.73	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		13.75	13.68	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		13.74	13.65	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		13.75	13.71	14.5	0.0
Channel				630000	633334	636668	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		13.79	13.68	14.5	0.0
Channel								



n2 Ant4 ECI3								
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				375000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	Pi/2 BPSK	1	1	18.98	18.90	18.95		
30	Pi/2 BPSK	1	80	18.91	19.00	18.75	20.0	0.0
30	Pi/2 BPSK	1	158	18.82	18.94	18.73		
30	Pi/2 BPSK	80	0	19.00	19.00	19.00	20.0	0.0
30	Pi/2 BPSK	80	40	18.84	18.97	18.83	20.0	0.0
30	Pi/2 BPSK	80	80	18.82	18.84	18.83	20.0	0.0
30	Pi/2 BPSK	160	0	19.00	19.00	19.00		
30	QPSK	1	1	18.87	19.02	18.77		
30	QPSK	1	80	18.73	18.86	18.85	20.0	0.0
30	QPSK	1	158	19.00	19.00	19.00		
30	QPSK	80	0	18.85	18.98	18.76	20.0	0.0
30	QPSK	80	40	18.79	19.00	18.80	20.0	0.0
30	QPSK	80	80	18.98	18.96	18.97	20.0	0.0
30	QPSK	160	0	18.91	18.92	18.76	20.0	0.0
30	16QAM	1	1	18.85	18.96	18.84	20.0	0.0
30	64QAM	1	1	18.85	18.98	18.89	20.0	0.0
30	256QAM	1	1	17.80	17.87	17.72	18.5	1.5
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1882.5	1880	1897.5		
25	QPSK	1	1	18.87	18.93	18.84	20.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1880	1880	1900		
20	QPSK	1	1	18.86	18.86	18.85	20.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1877.5	1900	1922.5		
15	QPSK	1	1	18.95	18.88	18.87	20.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1885	1880	1905		
10	QPSK	1	1	18.94	18.88	18.80	20.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1882.5	1880	1907.5		
5	QPSK	1	1	18.91	18.93	18.88	20.0	0.0

n5 Ant4								
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					167500			
Frequency (MHz)					836.5			
25	Pi/2 BPSK	1	1		22.84			
25	Pi/2 BPSK	1	87		22.87		24.0	0.0
25	Pi/2 BPSK	1	131		22.51			
25	Pi/2 BPSK	64	0		22.29		23.5	0.5
25	Pi/2 BPSK	64	25		22.80		24.0	0.0
25	Pi/2 BPSK	64	89		22.24		23.5	0.5
25	Pi/2 BPSK	128	0		22.32			
25	QPSK	1	1		22.90			
25	QPSK	1	87		22.84		24.0	0.0
25	QPSK	1	131		22.53			
25	QPSK	64	0		21.78		23.0	1.0
25	QPSK	64	35		22.82		24.0	0.0
25	QPSK	64	69		21.73		23.0	1.0
25	QPSK	128	0		21.75			
25	16QAM	1	1		21.28		23.0	1.0
25	64QAM	1	1		19.95		21.5	2.5
25	256QAM	1	1		18.92		19.5	4.5
Channel				169000	167500	167500	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.74	22.78	22.68	0.0	0.0
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				841.5	845.5	841.5		
15	QPSK	1	1	22.75	22.78	22.65	24.0	0.0
Channel				166800	167500	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				839	845.5	844		
10	QPSK	1	1	22.68	22.83	22.66	24.0	0.0
Channel				165300	167500	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.80	22.68	24.0	0.0

n12 Ant4								
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				141500	141500	141700		
Frequency (MHz)				708.5	707.5	708.5		
15	Pi/2 BPSK	1	1	22.83	22.92	22.86		
15	Pi/2 BPSK	1	40	22.78	22.86	22.75	24.0	0.0
15	Pi/2 BPSK	1	77	22.76	22.80	22.68		
15	Pi/2 BPSK	36	0	22.82	22.68	22.58	23.5	0.5
15	Pi/2 BPSK	36	22	22.78	22.89	22.77	24.0	0.0
15	Pi/2 BPSK	36	43	22.47	22.82	22.55	23.5	0.5
15	Pi/2 BPSK	75	0	22.60	22.66	22.58		
15	QPSK	1	1	22.90	22.97	22.86		
15	QPSK	1	40	22.87	22.93	22.80	24.0	0.0
15	QPSK	1	77	22.73	22.84	22.71		
15	QPSK	36	0	22.15	22.19	22.12	23.0	1.0
15	QPSK	36	22	22.83	22.92	22.87	24.0	0.0
15	QPSK	36	43	22.10	22.14	22.00	23.0	1.0
15	QPSK	35	0	22.10	22.15	22.14		
15	16QAM	1	1	21.72	21.82	21.76	23.0	1.0
15	64QAM	1	1	20.20	20.31	20.20	21.5	2.5
15	256QAM	1	1	18.78	18.93	18.80	19.5	4.5
Channel				140500	141500	142500	Tune-up limit (dBm)	MPR
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.78	22.93	22.80	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	22.88	22.75	24.0	0.0



n14 Ant4									
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)				793					
10	PI2 BPSK	1	1	22.56			24.0	0.0	
10	PI2 BPSK	1	26	22.51					
10	PI2 BPSK	1	50	22.48					
10	PI2 BPSK	25	0	22.11			23.5	0.5	
10	PI2 BPSK	25	14	22.32			24.0	0.0	
10	PI2 BPSK	25	27	21.99			23.5	0.5	
10	PI2 BPSK	50	0	22.06					
10	QPSK	1	1	22.61			24.0	0.0	
10	QPSK	1	26	22.54					
10	QPSK	1	50	22.50					
10	QPSK	25	0	21.66			23.0	1.0	
10	QPSK	25	14	22.57			24.0	0.0	
10	QPSK	25	27	21.61			23.0	1.0	
10	QPSK	50	0	21.65			23.0	1.0	
10	16QAM	1	1	21.44					
10	64QAM	1	1	19.87					
10	256QAM	1	1	18.45			19.5	4.5	
Channel				158100	159000	159100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	22.50	22.58	22.41	24.0	0.0	

n25 Ant4 ECI3									
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)				374500	376250	376500			
45	PI2 BPSK	1	1	18.24	18.34	18.30	20.0	0.0	
45	PI2 BPSK	1	61	18.97	18.98	18.89			
45	PI2 BPSK	1	121	18.28	18.35	18.18			
45	PI2 BPSK	121	0	18.31	18.32	18.31	20.0	0.0	
45	PI2 BPSK	121	61	18.99	19.02	18.88	20.0	0.0	
45	PI2 BPSK	121	121	18.29	18.42	18.30	20.0	0.0	
45	PI2 BPSK	242	0	18.33	18.32	18.24			
45	QPSK	1	1	18.31	18.37	18.26	20.0	0.0	
45	QPSK	1	61	18.94	19.03	18.89			
45	QPSK	1	121	18.29	18.40	18.27			
45	QPSK	121	0	18.82	18.86	18.84	20.0	0.0	
45	QPSK	121	61	18.20	19.02	18.20	20.0	0.0	
45	QPSK	121	121	18.30	18.36	18.23	20.0	0.0	
45	QPSK	242	0	18.30	18.30	18.52			
45	16QAM	1	1	18.27	18.29	18.22	20.0	0.0	
45	64QAM	1	1	18.27	18.42	18.18	20.0	0.0	
45	256QAM	1	1	17.23	17.44	17.29	18.5	1.5	
Channel				376000	376500	376500	Tune-up limit	MPR	
Frequency (MHz)				1870	1882.5	1886			
40	QPSK	1	1	18.26	18.40	18.26	20.0	0.0	
Channel				373500	376500	376500	Tune-up limit	MPR	
Frequency (MHz)				1867.5	1882.5	1897.5			
35	QPSK	1	1	18.17	18.42	18.20	20.0	0.0	
Channel				373000	376500	380000	Tune-up limit	MPR	
Frequency (MHz)				1865	1892.5	1900			
30	QPSK	1	1	18.22	18.37	18.25	20.0	0.0	
Channel				372500	376500	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	18.31	18.30	18.23	20.0	0.0	
Channel				372000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	18.21	18.40	18.18	20.0	0.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	18.17	18.31	18.27	20.0	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1855	1892.5	1910			
10	QPSK	1	1	18.24	18.32	18.30	20.0	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	1	18.19	18.37	18.23	20.0	0.0	

n26 Ant4									
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)				824	831.5	839			
20	PI2 BPSK	1	1	22.78	22.63	22.71	24.0	0.0	
20	PI2 BPSK	1	53	22.63	22.75	22.63			
20	PI2 BPSK	1	104	22.58	22.63	22.56			
20	PI2 BPSK	50	0	22.35	22.39	22.28	23.5	0.5	
20	PI2 BPSK	50	25	22.69	22.80	22.71	24.0	0.0	
20	PI2 BPSK	50	56	22.23	22.33	22.26	23.5	0.5	
20	PI2 BPSK	100	0	22.28	22.38	22.34			
20	QPSK	1	1	22.85	22.68	22.79	24.0	0.0	
20	QPSK	1	53	22.77	22.61	22.70			
20	QPSK	1	104	22.80	22.72	22.81			
20	QPSK	50	0	21.84	21.87	21.77	23.0	1.0	
20	QPSK	50	25	22.80	22.84	22.77	24.0	0.0	
20	QPSK	50	56	21.75	21.82	21.79	23.0	1.0	
20	QPSK	100	0	21.77	21.89	21.81	23.0	1.0	
20	16QAM	1	1	21.29	21.42	21.32			
20	64QAM	1	1	19.97	20.04	19.94			
20	256QAM	1	1	18.51	18.62	18.59	19.5	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.73	22.65	22.79	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.75	22.77	22.68	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.80	22.83	22.75	24.0	0.0	



n66 Ant4 ECI3									
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				346500	349000	351500			
Frequency (MHz)				1720.5	1745	1767.5			
45	P12 BPSK	1	1	18.78	18.83	18.73			
45	P12 BPSK	1	61	18.73	18.80	18.74	20.0	0.0	
45	P12 BPSK	1	121	18.80	18.84	18.76			
45	P12 BPSK	121	0	18.73	18.80	18.67	20.0	0.0	
45	P12 BPSK	121	61	18.78	18.82	18.74	20.0	0.0	
45	P12 BPSK	121	121	18.78	18.77	18.77	20.0	0.0	
45	P12 BPSK	242	0	18.80	18.76	18.78			
45	QPSK	1	1	18.81	18.80	18.76			
45	QPSK	1	61	18.81	18.85	18.78	20.0	0.0	
45	QPSK	1	121	18.73	18.75	18.73			
45	QPSK	121	0	18.80	18.83	18.77	20.0	0.0	
45	QPSK	121	61	18.81	18.84	18.76	20.0	0.0	
45	QPSK	121	121	18.73	18.76	18.73	20.0	0.0	
45	QPSK	242	0	18.77	18.75	18.71			
45	16QAM	1	1	18.80	18.82	18.73	20.0	0.0	
45	64QAM	1	1	18.57	18.68	18.56	20.0	0.0	
45	256QAM	1	1	17.26	17.23	17.20	18.5	1.5	
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	18.84	18.80	18.74	20.0	0.0	
Channel				349500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	18.83	18.80	18.76	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.83	18.80	18.76	20.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.77	18.80	18.74	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.73	18.81	18.73	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.77	18.81	18.67	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.83	18.81	18.65	20.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.72	18.80	18.71	20.0	0.0	

n70 Ant4 ECI3									
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	345000	345000			
Frequency (MHz)				1702.5					
15	P12 BPSK	1	1	19.38					
15	P12 BPSK	1	40	19.30			20.5	0.0	
15	P12 BPSK	1	77	19.33					
15	P12 BPSK	36	0	19.39			20.5	0.0	
15	P12 BPSK	36	22	19.38			20.5	0.0	
15	P12 BPSK	36	43	19.35			20.5	0.0	
15	P12 BPSK	75	0	19.39					
15	QPSK	1	1	19.47					
15	QPSK	1	40	19.37			20.5	0.0	
15	QPSK	1	77	19.34					
15	QPSK	36	0	19.30			20.5	0.0	
15	QPSK	36	22	19.46			20.5	0.0	
15	QPSK	36	43	19.24			20.5	0.0	
15	QPSK	75	0	19.42					
15	16QAM	1	1	19.37			20.5	0.0	
15	64QAM	1	1	19.08			20.5	0.0	
15	256QAM	1	1	17.65			18.5	2.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	19.33	19.41	19.32	20.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.28	19.39	19.42	20.5	0.0	

n71 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	P12 BPSK	1	1	23.10	23.19	23.07		24.0	0.0
20	P12 BPSK	1	53	22.93	23.01	22.88			
20	P12 BPSK	1	104	22.74	22.87	22.78			
20	P12 BPSK	50	0	22.54	22.68	22.60	23.5	0.5	
20	P12 BPSK	50	28	23.12	23.16	23.13	24.0		
20	P12 BPSK	50	56	22.59	22.62	22.58	23.5	0.5	
20	P12 BPSK	100	0	22.55	22.66	22.61			
20	QPSK	1	1	23.23	23.26	23.18			
20	QPSK	1	53	23.09	23.08	22.93	24.0	0.0	
20	QPSK	1	104	22.79	22.93	22.84			
20	QPSK	50	0	22.03	22.15	22.05	23.0	1.0	
20	QPSK	50	28	23.19	23.22	23.15	24.0		
20	QPSK	50	56	21.91	22.05	22.01	23.0	1.0	
20	QPSK	100	0	22.05	22.11	22.02			
20	16QAM	1	1	21.70	21.77	21.67	23.0	1.0	
20	64QAM	1	1	20.16	20.23	20.11	21.5	2.5	
20	256QAM	1	1	18.75	18.88	18.70	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.09	23.13	23.11	24.0	0.0	
Channel				133900	136100	138900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.08 <td>23.21</td> <td>23.06</td> <td>24.0</td> <td>0.0</td> <td></td>	23.21	23.06	24.0	0.0	
Channel				133100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.10	23.15	23.14	24.0	0.0	

n41 Ant4 PC3&2 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	16.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.25	15.73	15.65			
100	PI/2 BPSK	1	137	15.22	15.77	15.55			
100	PI/2 BPSK	1	271	15.33	15.85	15.65	16.5	0.0	
100	PI/2 BPSK	135	0	15.26	15.79	15.63			
100	PI/2 BPSK	135	69	15.25	15.75	15.64			
100	PI/2 BPSK	135	138	15.32	15.74	15.63			
100	PI/2 BPSK	270	0	15.21	15.80	15.62	16.5	0.0	
100	QPSK	1	1	15.21	15.81	15.55			
100	QPSK	1	137	15.32	15.86	15.62			
100	QPSK	1	271	15.26	15.75	15.61			
100	QPSK	135	0	15.24	15.80	15.58	16.5	0.0	
100	QPSK	135	69	15.21	15.84	15.60	16.5	0.0	
100	QPSK	135	138	15.24	15.83	15.54	16.5	0.0	
100	QPSK	270	0	15.24	15.81	15.57			
100	16QAM	1	1	15.22	15.85	15.66			
100	64QAM	1	1	15.30	15.72	15.56			
100	256QAM	1	1	15.27	15.83	15.62	16.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	16.5	0.0	
90	QPSK	1	1	15.23	15.75	15.56			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	16.5	0.0	
80	QPSK	1	1	15.34	15.80	15.60			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	16.5	0.0	
70	QPSK	1	1	15.22	15.82	15.55			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	16.5	0.0	
60	QPSK	1	1	15.23	15.74	15.65			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	16.5	0.0	
50	QPSK	1	1	15.25	15.78	15.55			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	16.5	0.0	
40	QPSK	1	1	15.25	15.83	15.56			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	16.5	0.0	
30	QPSK	1	1	15.29	15.84	15.55			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	16.5	0.0	
20	QPSK	1	1	15.33	15.81	15.68			
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	16.5	0.0	
15	QPSK	1	1	15.22	15.80	15.56			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	16.5	0.0	
10	QPSK	1	1	15.32	15.75	15.62			



n48 Ant5 Part96 EC13									
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				636000	641666	646332	14.5	0.0	
Frequency (MHz)				3570	3624.99	3679.98			
40	P12 BPSK	1	1	12.93	13.07	12.91			
40	P12 BPSK	1	53	12.88	13.02	12.85	14.5	0.0	
40	P12 BPSK	1	104	12.84	13.10	12.82			
40	P12 BPSK	50	0	12.86	13.04	12.92			
40	P12 BPSK	50	28	12.90	13.06	12.84	14.5	0.0	
40	P12 BPSK	50	56	12.88	13.06	12.94			
40	P12 BPSK	100	0	12.90	13.13	12.91			
40	QPSK	1	1	12.84	13.14	12.85	14.5	0.0	
40	QPSK	1	53	12.82	13.15	12.93			
40	QPSK	1	104	12.90	13.06	12.87			
40	QPSK	50	0	12.81	13.09	12.95	14.5	0.0	
40	QPSK	50	28	12.88	13.11	12.90			
40	QPSK	50	56	12.85	13.08	12.87			
40	QPSK	100	0	12.83	13.01	12.91	14.5	0.0	
40	16QAM	1	1	12.81	13.05	12.88			
40	16QAM	1	1	12.91	13.04	12.91			
40	256QAM	1	1	12.84	13.07	12.83	14.5	0.0	
Channel				637234	641666	646000			
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	12.87	13.13	12.88	14.5	0.0	
Channel				637168	641666	646166			
Frequency (MHz)				3557.52	3624.99	3692.40			
15	QPSK	1	1	12.90	13.02	12.90	14.5	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	12.80	13.10	12.86	14.5	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3655	3624.99	3694.98			

Part270 n77 Ant5 PC3&PC2 EC13									
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				650000	650000	650000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	16.94	17.05	16.94			
100	P12 BPSK	1	137	17.00	17.02	16.93	18.0	0.0	
100	P12 BPSK	1	271	16.97	17.00	16.93			
100	P12 BPSK	135	0	16.94	17.02	16.93			
100	P12 BPSK	135	69	17.04	17.08	16.86	18.0	0.0	
100	P12 BPSK	135	138	17.01	16.97	16.87			
100	P12 BPSK	270	0	16.96	16.98	16.90			
100	QPSK	1	1	17.01	17.00	16.98	18.0	0.0	
100	QPSK	1	137	17.00	17.10	16.90			
100	QPSK	1	271	17.02	17.02	16.94			
100	QPSK	135	0	17.00	16.98	16.89	18.0	0.0	
100	QPSK	135	69	16.94	17.05	16.96			
100	QPSK	135	138	17.04	17.04	16.96			
100	QPSK	270	0	17.00	17.02	16.89	18.0	0.0	
100	16QAM	1	1	17.00	17.00	16.96			
100	64QAM	1	1	17.05	17.07	16.92			
100	256QAM	1	1	17.02	17.00	16.93	18.0	0.0	
Channel				645668	650000	652334			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.00	16.96	16.85	18.0	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.01	16.98	16.92	18.0	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.04	17.01	16.94	18.0	0.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.92	17.00	16.93	18.0	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.98	17.04	16.94	18.0	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.03	17.04	16.86	18.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				3713.02	3840	3973.01			
30	QPSK	1	1	16.98	16.99	16.90	18.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.92	17.09	16.92	18.0	0.0	
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.00	16.96	16.85	18.0	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.98	17.06	16.90	18.0	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			

Part270Q n77 Ant5 PC3&PC2 EC13									
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				633000	633334	633668	18.0	0.0	
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		16.95				
100	P12 BPSK	1	137		16.97		18.0	0.0	
100	P12 BPSK	1	271		16.95				
100	P12 BPSK	135	0		16.97				
100	P12 BPSK	135	69		16.94		18.0	0.0	
100	P12 BPSK	135	138		16.96				
100	P12 BPSK	270	0		16.95				
100	QPSK	1	1		17.02		18.0	0.0	
100	QPSK	1	137		17.06				
100	QPSK	1	271		16.98				
100	QPSK	135	0		17.00		18.0	0.0	
100	QPSK	135	69		17.04				
100	QPSK	135	138		16.95				
100	QPSK	270	0		17.02		18.0	0.0	
100	16QAM	1	1		17.05				
100	64QAM	1	1		16.96				
100	256QAM	1	1		17.01		18.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.92	17.00	16.92	18.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.03	17.01	16.87	18.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.98	17.02	16.99	18.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.01	17.01	16.91	18.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.93	16.95	16.97	18.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.97	17.02	16.91	18.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.94	16.95	16.98	18.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.98	16.94	16.88	18.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.98	16.93	16.88	18.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.91	16.95	16.91	18.0	0.0	

Part270 n78 Ant5 PC3&PC2 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65000	Power High Ch. / Freq. 65000	Tune-up limit (dBm)	MPR (dB)
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				3750				
100	PI2 BPSK	1	1		17.12		18.0	0.0
100	PI2 BPSK	1	137		17.03			
100	PI2 BPSK	1	271		17.11			
100	PI2 BPSK	135	0		17.12			
100	PI2 BPSK	135	69		17.05		18.0	0.0
100	PI2 BPSK	135	138		17.03		18.0	0.0
100	PI2 BPSK	270	0		17.09		18.0	0.0
100	QPSK	1	1		17.05			
100	QPSK	1	137		17.14			
100	QPSK	1	271		17.11			
100	QPSK	135	0		17.09		18.0	0.0
100	QPSK	135	69		17.11		18.0	0.0
100	QPSK	135	138		17.07		18.0	0.0
100	QPSK	270	0		17.10			
100	16QAM	1	1		17.07			
100	64QAM	1	1		17.07			
100	256QAM	1	1		17.06		18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				3745.02			650034	
				3750			3755.01	
90	QPSK	1	1	16.98	17.05	16.95	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				649334			650000	650668
				3740.01			3750	3760.02
80	QPSK	1	1	17.02	17.03	17.03	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				649000			650000	651000
				3735			3760	3765
70	QPSK	1	1	17.06	17.07	17.06	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				648668			650000	651334
				3730.02			3760	3770.01
60	QPSK	1	1	17.01	17.06	17.02	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				648334			650000	651668
				3725.01			3760	3775.02
50	QPSK	1	1	17.04	17.13	17.02	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				648000			650000	652000
				3720			3760	3780
40	QPSK	1	1	16.97	17.03	17.06	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				647668			650000	652334
				3715.02			3760	3785.01
30	QPSK	1	1	16.95	17.07	16.97	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				647334			650000	652668
				3710.01			3760	3790.02
20	QPSK	1	1	17.05	17.02	16.93	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				647168			650000	652834
				3707.52			3760	3792.51
15	QPSK	1	1	16.95	17.05	17.03	18.0	0.0
Channel				Frequency (MHz)			Tune-up limit (dBm)	MPR (dB)
				647000			650000	653000
				3705			3760	3795
10	QPSK	1	1	17.05	17.02	17.05	18.0	0.0

Part270Q n78 Ant5 PC3&PC2 ECI3								
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				633334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		17.10		18.0	0.0
100	PI2 BPSK	1	137		17.09			
100	PI2 BPSK	1	271		17.07			
100	PI2 BPSK	135	0		17.03			
100	PI2 BPSK	135	69		17.12		18.0	0.0
100	PI2 BPSK	135	138		17.04		18.0	0.0
100	PI2 BPSK	270	0		17.03		18.0	0.0
100	QPSK	1	1		17.02			
100	QPSK	1	137		17.13			
100	QPSK	1	271		17.06			
100	QPSK	135	0		17.06		18.0	0.0
100	QPSK	135	69		17.09		18.0	0.0
100	QPSK	135	138		17.08		18.0	0.0
100	QPSK	270	0		17.06			
100	16QAM	1	1		17.04			
100	64QAM	1	1		17.03			
100	256QAM	1	1		17.10		18.0	0.0
Channel				633300 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01				
90	QPSK	1	1	16.98	17.01	17.01	18.0	0.0
Channel				632668 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02				
80	QPSK	1	1	17.09	17.02	17.02	18.0	0.0
Channel				632334 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01				
70	QPSK	1	1	17.06	17.06	16.89	18.0	0.0
Channel				632000 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480				
60	QPSK	1	1	17.06	17.02	16.98	18.0	0.0
Channel				631668 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02				
50	QPSK	1	1	16.98	17.10	17.00	18.0	0.0
Channel				631334 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01				
40	QPSK	1	1	16.99	17.10	16.96	18.0	0.0
Channel				631000 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465				
30	QPSK	1	1	17.07	17.01	16.99	18.0	0.0
Channel				630668 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02				
20	QPSK	1	1	16.99	17.08	16.98	18.0	0.0
Channel				630500 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.50				
15	QPSK	1	1	16.98	17.03	16.96	18.0	0.0
Channel				630334 <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01				
10	QPSK	1	1	17.04	17.02	16.96	18.0	0.0

n41 Ant7 PC3&2 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PV2 BPSK	1	1	19.28	19.36	19.11			
100	PV2 BPSK	1	137	19.26	19.31	19.12			
100	PV2 BPSK	1	271	19.25	19.41	19.20	20.0	0.0	
100	PV2 BPSK	135	0	19.20	19.31	19.20			
100	PV2 BPSK	135	69	19.17	19.40	19.21			
100	PV2 BPSK	135	138	19.19	19.30	19.22			
100	PV2 BPSK	270	0	19.24	19.32	19.17	20.0	0.0	
100	QPSK	1	1	19.20	19.30	19.22			
100	QPSK	1	137	19.20	19.42	19.16			
100	QPSK	1	271	19.28	19.38	19.09			
100	QPSK	135	0	19.19	19.36	19.20	20.0	0.0	
100	QPSK	135	69	19.16	19.41	19.14			
100	QPSK	135	138	19.20	19.29	19.16			
100	QPSK	270	0	19.15	19.36	19.13			
100	16QAM	1	1	19.24	19.35	19.13	20.0	0.0	
100	64QAM	1	1	19.17	19.33	19.23			
100	256QAM	1	1	18.44	18.54	18.41			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	20.0	0.0	
90	QPSK	1	1	19.05	19.24	18.97			
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99		20.0	
80	QPSK	1	1	18.96	19.25	18.92			
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655		20.0	
70	QPSK	1	1	19.03	19.29	18.96			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	20.0	0.0	
60	QPSK	1	1	18.96	19.17	19.02			
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99		20.0	
50	QPSK	1	1	19.05	19.21	18.93			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	20.0		
40	QPSK	1	1	19.04	19.21	19.02			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	20.0	0.0	
30	QPSK	1	1	19.08	19.25	18.94			
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2678.99		20.0	
20	QPSK	1	1	18.98	19.26	18.93			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	20.0	0.0	
15	QPSK	1	1	19.07	19.29	19.02			
Channel				500202	518598	537000		MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685		20.0	
10	QPSK	1	1	19.05	19.24	18.93			



Part270 n77 Ant8 PC3&PC2 ECI3									
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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	15.21	15.29	15.07	16.5	0.0	
100	PV2 BPSK	1	137	15.19	15.28	15.15			
100	PV2 BPSK	1	271	15.22	15.31	15.20			
100	PV2 BPSK	135	0	15.15	15.34	15.14	16.5	0.0	
100	PV2 BPSK	135	69	15.28	15.28	15.21	16.5	0.0	
100	PV2 BPSK	135	138	15.25	15.21	15.13	16.5	0.0	
100	PV2 BPSK	270	0	15.23	15.21	15.15			
100	QPSK	1	1	15.26	15.29	15.16	16.5	0.0	
100	QPSK	1	137	15.25	15.35	15.10			
100	QPSK	1	271	15.25	15.27	15.12			
100	QPSK	135	0	15.25	15.32	15.12	16.5	0.0	
100	QPSK	135	69	15.15	15.33	15.18	16.5	0.0	
100	QPSK	135	138	15.25	15.32	15.15	16.5	0.0	
100	QPSK	270	0	15.25	15.32	15.10			
100	16QAM	1	1	15.28	15.27	15.08	16.5	0.0	
100	64QAM	1	1	15.27	15.27	15.19	16.5	0.0	
100	256QAM	1	1	15.16	15.31	15.18	16.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.13	15.28	15.00	16.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.23	15.33	15.02	16.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.23	15.26	14.99	16.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720.02	3840	3950.01			
60	QPSK	1	1	15.23	15.30	15.10	16.5	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.15	15.31	14.98	16.5	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.17	15.29	15.09	16.5	0.0	
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3840	3953.01			
30	QPSK	1	1	15.18	15.24	14.99	16.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.14	15.21	14.99	16.5	0.0	
Channel				647168	650000	650334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.14	15.25	14.98	16.5	0.0	
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.15	15.33	15.10	16.5	0.0	

Part27Q n77 Ant8 PC3&PC2 ECI3									
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				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PV2 BPSK	1	1		15.31		16.5	0.0	
100	PV2 BPSK	1	137		15.40				
100	PV2 BPSK	1	271		15.38				
100	PV2 BPSK	135	0		15.35		16.5	0.0	
100	PV2 BPSK	135	69		15.35		16.5	0.0	
100	PV2 BPSK	135	138		15.32		16.5	0.0	
100	PV2 BPSK	270	0		15.32				
100	QPSK	1	1		15.40		16.5	0.0	
100	QPSK	1	137		15.48				
100	QPSK	1	271		15.41				
100	QPSK	135	0		15.37		16.5	0.0	
100	QPSK	135	69		15.42		16.5	0.0	
100	QPSK	135	138		15.41		16.5	0.0	
100	QPSK	270	0		15.31				
100	16QAM	1	1		15.37		16.5	0.0	
100	64QAM	1	1		15.40		16.5	0.0	
100	256QAM	1	1		15.43		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.42	15.41	15.28	16.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.37	15.34	15.19	16.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.32	15.34	15.16	16.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3480	3500.01	3510.02			
60	QPSK	1	1	15.33	15.40	15.22	16.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.37	15.34	15.25	16.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.41	15.38	15.13	16.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.42	15.29	15.15	16.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.41	15.32	15.19	16.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.33	15.35	15.24	16.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	15.27	15.28	15.24	16.5	0.0	

Part270 n78 Ant8 PC3&PC2 ECI3									
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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PV2 BPSK	1	1		15.46		16.5	0.0	
100	PV2 BPSK	1	137		15.47				
100	PV2 BPSK	1	271		15.43				
100	PV2 BPSK	135	0		15.43		16.5	0.0	
100	PV2 BPSK	135	69		15.35		16.5	0.0	
100	PV2 BPSK	135	138		15.42		16.5	0.0	
100	PV2 BPSK	270	0		15.41				
100	QPSK	1	1		15.39		16.5	0.0	
100	QPSK	1	137		15.50				
100	QPSK	1	271		15.35				
100	QPSK	135	0		15.36		16.5	0.0	
100	QPSK	135	69		15.49		16.5	0.0	
100	QPSK	135	138		15.48		16.5	0.0	
100	QPSK	270	0		15.44				
100	16QAM	1	1		15.38		16.5	0.0	
100	64QAM	1	1		15.37		16.5	0.0	
100	256QAM	1	1		15.37		16.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.35	15.42	15.34	16.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.34	15.37	15.27	16.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.23	15.28	15.28	16.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.23	15.30	15.29	16.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.27	15.38	15.30	16.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.32	15.32	15.29	16.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.27	15.32	15.31	16.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.23	15.41	15.33	16.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52 <td>3750</td> <td>3792.51</td> <td></td> <td></td> <td></td>	3750	3792.51			
15	QPSK	1	1	15.31	15.37	15.34	16.5	0.0	
Channel				646830	650000	653000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705 <td>3750</td> <td>3795</td> <td></td> <th></th> <th></th>	3750	3795			
10	QPSK	1	1	15.27	15.33	15.29	16.5	0.0	

Part27Q n78 Ant8 PC3&PC2 ECI3								
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				633334			16.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		15.33		16.5	0.0
100	PI2 BPSK	1	137		15.33			
100	PI2 BPSK	1	271		15.35		16.5	0.0
100	PI2 BPSK	135	0		15.33			
100	PI2 BPSK	135	69		15.35		16.5	0.0
100	PI2 BPSK	135	138		15.39			
100	PI2 BPSK	270	0		15.33		16.5	0.0
100	QPSK	1	1		15.41			
100	QPSK	1	137		15.46		16.5	0.0
100	QPSK	1	271		15.42			
100	QPSK	135	0		15.40		16.5	0.0
100	QPSK	135	69		15.45			
100	QPSK	135	138		15.40		16.5	0.0
100	QPSK	270	0		15.31			
100	16QAM	1	1		15.34		16.5	0.0
100	64QAM	1	1		15.40			
100	256QAM	1	1		15.36		16.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		MPR (dB)
90	QPSK	1	1	15.31	15.43	15.23	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.17	15.33	15.00	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.28	15.41	15.15	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.01		
60	QPSK	1	1	15.20	15.40	15.16	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.22	15.36	15.21	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.23	15.38	15.09	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3533.02		
30	QPSK	1	1	15.16	15.29	15.00	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.17	15.30	15.17	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.23	15.36	15.22	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.20	15.30	15.10	16.5	0.0

ECI6 Power

n2 ECI6 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000			
Frequency (MHz)				189.5	19.38	19.24			
30	PV2 BPSK	1	1	19.28	19.38	19.24	20.5	0.0	
30	PV2 BPSK	1	80	19.52	19.62	19.57			
30	PV2 BPSK	1	158	19.40	19.42	19.38			
30	PV2 BPSK	80	0	19.62	19.61	19.52	20.5	0.0	
30	PV2 BPSK	80	40	19.47	19.64	19.43	20.5	0.0	
30	PV2 BPSK	80	80	19.57	19.62	19.58	20.5	0.0	
30	PV2 BPSK	160	0	19.58	19.69	19.65	20.5	0.0	
30	QPSK	1	1	19.27	19.45	19.38			
30	QPSK	1	80	19.58	19.70	19.65			
30	QPSK	1	158	19.45	19.45	19.42	20.5	0.0	
30	QPSK	80	0	19.66	19.67	19.63			
30	QPSK	80	40	19.60	19.68	19.58			
30	QPSK	80	80	19.61	19.63	19.60	20.5	0.0	
30	QPSK	160	0	19.65	19.68	19.67	20.5	0.0	
30	16QAM	1	1	19.17	19.28	19.20	20.5	0.0	
30	64QAM	1	1	19.11	19.31	19.19	20.5	0.0	
30	256QAM	1	1	19.76	19.82	19.78	19.5	1.0	
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1897.5			
25	QPSK	1	1	19.33	19.42	19.33	20.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1880	1900			
20	QPSK	1	1	19.28	19.39	19.37	20.5	0.0	
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1905			
15	QPSK	1	1	19.28	19.40	19.30	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1905			
10	QPSK	1	1	19.32	19.43	19.38	20.5	0.0	
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1907.5			
5	QPSK	1	1	19.29	19.42	19.32	20.5	0.0	

n5 ECI6 Ant0									
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					167000				
Frequency (MHz)					84.5				
25	PV2 BPSK	1	1		22.63		24.0	0.0	
25	PV2 BPSK	1	67		22.85				
25	PV2 BPSK	1	131		22.65				
25	PV2 BPSK	64	0		22.28		23.5	0.5	
25	PV2 BPSK	64	35		22.87		24.0	0.0	
25	PV2 BPSK	64	69		22.30		23.5	0.5	
25	PV2 BPSK	128	0		22.34		24.0	0.0	
25	QPSK	1	1		22.57				
25	QPSK	1	67		22.92				
25	QPSK	1	131		22.50		23.0	1.0	
25	QPSK	64	0		21.74				
25	QPSK	64	35		22.88				
25	QPSK	64	69		21.78		24.0	0.0	
25	QPSK	128	0		21.83		23.0	1.0	
25	16QAM	1	1		21.32		23.0	1.0	
25	64QAM	1	1		20.00		21.5	2.5	
25	256QAM	1	1		18.53		19.5	4.5	
Channel					166800	167000	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					834	836.5	838		
20	QPSK	1	1	22.84	22.89	22.73	24.0	0.0	
Channel					166300	167000	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					831.5	836.5	841.5		
15	QPSK	1	1	22.77	22.86	22.75	24.0	0.0	
Channel					165800	167000	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					829	836.5	844		
10	QPSK	1	1	22.82	22.88	22.75	24.0	0.0	
Channel					165300	167000	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.89	22.75	24.0	0.0	

n12 ECI6 Ant0									
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				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PV2 BPSK	1	1	22.84	22.98	22.75	24.0	0.0	
15	PV2 BPSK	1	40	22.75	22.83	22.71			
15	PV2 BPSK	1	77	22.73	22.80	22.71			
15	PV2 BPSK	36	0	22.58	22.65	22.52	23.5	0.5	
15	PV2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0	
15	PV2 BPSK	36	43	22.54	22.61	22.50	23.5	0.5	
15	PV2 BPSK	75	0	22.58	22.64	22.61	24.0	0.0	
15	QPSK	1	1	22.87	22.92	22.81			
15	QPSK	1	40	22.83	22.87	22.77			
15	QPSK	1	77	22.72	22.81	22.68	23.0	1.0	
15	QPSK	36	0	22.04	22.12	22.08			
15	QPSK	36	22	22.82	22.85	22.77			
15	QPSK	36	43	22.92	22.97	21.94	23.0	1.0	
15	QPSK	75	0	22.05	22.13	22.00	23.0	1.0	
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0	
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5	
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5	
Channel					140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					704	707.5	711		
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0	
Channel					140300	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					701.5	707.5	713.5		
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0	

n14 ECI6 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				793					
10	PI2 BPSK	1	1		22.57				
10	PI2 BPSK	1	26		22.53		24.0	0.0	
10	PI2 BPSK	1	50		22.50				
10	PI2 BPSK	25	0		22.12		23.5	0.5	
10	PI2 BPSK	25	14		22.55		24.0	0.0	
10	PI2 BPSK	25	27		22.07		23.5	0.5	
10	PI2 BPSK	50	0		22.14				
10	QPSK	1	1		22.64				
10	QPSK	1	26		22.59		24.0	0.0	
10	QPSK	1	50		22.55				
10	QPSK	25	0		21.73		23.0	1.0	
10	QPSK	25	14		22.60		24.0	0.0	
10	QPSK	25	27		21.66		23.0	1.0	
10	QPSK	50	0		21.78				
10	16QAM	1	1		21.36		23.0	1.0	
10	64QAM	1	1		19.91		21.5	2.5	
10	256QAM	1	1		18.48		19.5	4.5	
Channel				159100	159000	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1		22.53	22.52	22.49	24.0	0.0

n25 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
45	PI2 BPSK	1	1		18.69	18.65	18.62	
45	PI2 BPSK	1	61		19.51	19.59	19.52	20.5
45	PI2 BPSK	1	121		18.89	19.01	18.78	
45	PI2 BPSK	121	0		19.48	19.53	19.37	20.5
45	PI2 BPSK	121	61		19.38	19.50	19.52	20.5
45	PI2 BPSK	121	121		19.60	19.54	19.48	20.5
45	PI2 BPSK	242	0		19.49	19.65	19.49	
45	QPSK	1	1		18.82	18.87	18.96	
45	QPSK	1	61		19.56	19.71	19.59	20.5
45	QPSK	1	121		18.89	18.94	18.93	
45	QPSK	121	0		19.62	19.61	19.58	20.5
45	QPSK	121	61		19.67	19.69	19.60	20.5
45	QPSK	121	121		19.51	19.61	19.60	
45	QPSK	242	0		19.56	19.73	19.51	20.5
45	16QAM	1	1		18.64	18.89	18.69	20.5
45	64QAM	1	1		18.71	18.87	18.77	20.5
45	256QAM	1	1		18.27	18.41	18.28	18.5
Channel				374000	376000	375000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870	1882.5	1865		
40	QPSK	1	1		19.54	19.68	19.56	20.5
Channel								
Frequency (MHz)								
35	QPSK	1	1		19.47	19.64	19.55	20.5
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1864	1882.5	1860		
30	QPSK	1	1		19.46	19.69	19.61	20.5
Channel				372500	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1862.5		
25	QPSK	1	1		19.53	19.72	19.51	20.5
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1865		
20	QPSK	1	1		19.48	19.72	19.58	20.5
Channel				371500	376000	375000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1867.5		
15	QPSK	1	1		19.49	19.70	19.60	20.5
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1864	1882.5	1860		
10	QPSK	1	1		19.55	19.72	19.59	20.5
Channel				370500	376000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1		19.59	19.64	19.61	20.5

n26 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1		22.74	22.81	22.76	
30	PI2 BPSK	1	53		22.63	22.68	22.57	24.0
30	PI2 BPSK	1	104		22.61	22.71	22.67	
30	PI2 BPSK	50	0		22.30	22.35	22.21	23.5
30	PI2 BPSK	50	28		22.76	22.80	22.71	24.0
30	PI2 BPSK	50	56		22.20	22.31	22.19	23.5
30	PI2 BPSK	100	0		22.23	22.37	22.28	
30	QPSK	1	1		22.80	22.91	22.82	
30	QPSK	1	53		22.69	22.75	22.65	24.0
30	QPSK	1	104		22.62	22.69	22.59	
30	QPSK	50	0		21.81	21.84	21.81	23.0
30	QPSK	50	28		22.78	22.87	22.80	24.0
30	QPSK	50	56		21.86	21.88	21.71	23.0
30	QPSK	100	0		21.84	21.86	21.81	
30	16QAM	1	1		21.36	21.43	21.30	23.0
30	64QAM	1	1		19.95	20.06	19.99	21.5
30	256QAM	1	1		18.51	18.62	18.57	18.5
Channel				164300	166300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1		22.74	22.82	22.73	24.0
Channel								
Frequency (MHz)								
10	QPSK	1	1		22.68	22.78	22.67	24.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1		22.74	22.87	22.75	24.0

n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	19.74	19.85	19.82			
45	PI2 BPSK	1	61	20.34	20.35	20.27	21.5	0.0	
45	PI2 BPSK	1	121	19.64	19.69	19.65			
45	PI2 BPSK	121	0	20.05	20.13	20.03	21.5	0.0	
45	PI2 BPSK	121	61	20.20	20.32	20.29	21.5	0.0	
45	PI2 BPSK	121	121	19.93	20.08	19.93	21.5	0.0	
45	PI2 BPSK	242	0	20.04	20.10	20.08			
45	QPSK	1	1	19.74	19.78	19.77			
45	QPSK	1	61	20.28	20.35	20.35	21.5	0.0	
45	QPSK	1	121	19.59	19.75	19.73			
45	QPSK	121	0	20.25	20.32	20.34	21.5	0.0	
45	QPSK	121	61	20.31	20.35	20.29	21.5	0.0	
45	QPSK	121	121	20.26	20.33	20.27	21.5	0.0	
45	QPSK	242	0	20.17	20.33	20.32			
45	16QAM	1	1	20.15	20.34	20.33	21.5	0.0	
45	64QAM	1	1	19.53	19.66	19.64	21.5	0.0	
45	256QAM	1	1	18.34	18.37	18.33	19.5	2.0	
Channel				346500	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	19.99	20.16	20.00	21.5	0.0	
Channel				345500	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	19.92	20.09	20.08	21.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
30	QPSK	1	1	19.94	20.10	19.89	21.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.04	20.10	20.01	21.5	0.0	
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.00	20.08	20.08	21.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	20.00	20.17	20.07	21.5	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.92	20.08	19.98	21.5	0.0	

n70 Ant0									
BW (MHz)	0	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					340500				
Frequency (MHz)					1702.5				
15	PI2 BPSK	1	1		21.00				
15	PI2 BPSK	1	40		20.76		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.52		22.0	0.0	
15	PI2 BPSK	36	22		20.85		22.0	0.0	
15	PI2 BPSK	36	43		20.47		22.0	0.0	
15	PI2 BPSK	75	0		20.50				
15	QPSK	1	1		21.02				
15	QPSK	1	40		20.89		22.0	0.0	
15	QPSK	1	77		20.79				
15	QPSK	36	0		20.15		22.0	0.0	
15	QPSK	36	22		20.97		22.0	0.0	
15	QPSK	36	43		20.15		22.0	0.0	
15	QPSK	75	0		20.18		22.0	0.0	
15	16QAM	1	1		20.07		22.0	0.0	
15	64QAM	1	1		20.03		21.5	0.5	
15	256QAM	1	1		18.86		18.5	2.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.08	20.07	20.03	22.0	0.0	
Channel				339500	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.09	20.05	20.09	22.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.52	22.05	22.57			
20	PI2 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	PI2 BPSK	1	104	22.73	22.83	22.79			
20	PI2 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	PI2 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	PI2 BPSK	50	56	22.46	22.52	22.38			
20	PI2 BPSK	100	0	22.50	22.58	22.52	23.5	0.5	
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.50	22.55	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.05	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.96	22.00	21.91			
20	QPSK	100	0	22.01	22.04	21.97	23.0	1.0	
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	18.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.93	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.92	23.08	22.96	24.0	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				505000	507000	509000	23.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.13	22.16	22.03			
50	PI/2 BPSK	1	135	22.07	22.10	21.91			
50	PI/2 BPSK	1	268	21.80	21.81	21.86	23.0	0.0	
50	PI/2 BPSK	135	0	21.68	21.75	21.69			
50	PI/2 BPSK	135	68	22.00	22.10	22.02			
50	PI/2 BPSK	135	135	21.57	21.64	21.54			
50	PI/2 BPSK	270	0	21.46	21.64	21.68	23.0	0.0	
50	QPSK	1	1	22.19	22.24	22.17			
50	QPSK	1	135	22.12	22.12	22.01			
50	QPSK	1	268	21.77	21.82	21.68			
50	QPSK	135	0	21.17	21.25	21.01	23.0	0.0	
50	QPSK	135	68	22.08	22.21	21.98			
50	QPSK	135	135	21.01	21.06	21.06			
50	QPSK	270	0	21.01	21.17	21.04			
50	16QAM	1	1	21.78	21.84	21.72	23.0	0.0	
50	64QAM	1	1	20.25	20.37	20.22			
50	256QAM	1	1	18.89	18.92	18.84			
50	256QAM	1	1	18.89	18.92	18.84			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	23.0	0.0	
40	QPSK	1	1	22.04	22.18	22.01	23.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.08	22.23	21.97		0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	23.0	0.0	
25	QPSK	1	1	21.99	22.23	22.03	23.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	22.07	22.16	21.95		0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.0	0.0	
15	QPSK	1	1	22.07	22.16	21.91	23.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.12	22.19	21.93		0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.0	0.0	
5	QPSK	1	1	22.11	22.17	21.96	23.0	0.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

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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				462000			24.0	0.0	
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1	23.22					
10	PI/2 BPSK	1	26	23.16					
10	PI/2 BPSK	1	50	22.86			23.5	0.5	
10	PI/2 BPSK	25	0	22.79					
10	PI/2 BPSK	25	14	23.18					
10	PI/2 BPSK	25	27	22.53					
10	PI/2 BPSK	50	0	22.61			23.5	0.5	
10	QPSK	1	1	23.28					
10	QPSK	1	26	23.19					
10	QPSK	1	50	22.95					
10	QPSK	25	0	22.24			23.0	1.0	
10	QPSK	25	14	23.21					
10	QPSK	25	27	22.05					
10	QPSK	50	0	22.12					
10	16QAM	1	1	22.06			23.0	1.0	
10	64QAM	1	1	20.39					
10	256QAM	1	1	18.89					
10	256QAM	1	1	18.89					
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.15	23.22	23.12	24.0	0.0	
Channel				461000	462000	463000			
Frequency (MHz)				2310	2310	2310			
Channel				461000	462000	463000			



n41 Ant1 PC3&2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50500	51898	52600			
Frequency (MHz)				2548.01	2562.99	2640			
100	Pl2 BPSK	1	1	21.27	21.35	21.28			
100	Pl2 BPSK	1	137	22.26	22.21	22.17	23.0	0.0	
100	Pl2 BPSK	1	271	21.15	21.23	21.20			
100	Pl2 BPSK	135	0	21.89	21.88	21.82	22.5	0.5	
100	Pl2 BPSK	135	69	22.16	22.20	22.23	23.0	0.0	
100	Pl2 BPSK	135	138	21.59	21.71	21.57	22.5	0.5	
100	Pl2 BPSK	270	0	21.62	21.69	21.68			
100	QPSK	1	1	21.31	21.34	21.35			
100	QPSK	1	137	22.27	22.36	22.20	23.0	0.0	
100	QPSK	1	271	21.13	21.16	21.16			
100	QPSK	135	0	21.28	21.28	21.30	23.0	0.0	
100	QPSK	135	69	22.22	22.24	22.11	23.0	0.0	
100	QPSK	135	138	21.14	21.20	21.19	23.0	0.0	
100	QPSK	270	0	21.13	21.26	21.03	23.0	0.0	
100	16QAM	1	1	22.27	22.16	22.06	23.0	0.0	
100	16QAM	1	1	22.17	22.16	22.05	23.0	0.0	
100	256QAM	1	1	17.30	17.39	17.36	22.5	0.5	
Channel				50800	51898	52898	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98	(dBm)		
90	QPSK	1	1	22.29	22.30	22.05	23.0	0.0	
Channel				50704	51898	52998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	22.18	22.35	22.03	23.0	0.0	
Channel				50500	51898	53198	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2562.99	2655	(dBm)		
70	QPSK	1	1	22.29	22.35	22.13	23.0	0.0	
Channel				50500	51898	53198	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2562.99	2655.99	(dBm)		
60	QPSK	1	1	22.20	22.31	22.03	23.0	0.0	
Channel				50404	51898	53098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.03	2562.99	2654.99	(dBm)		
50	QPSK	1	1	22.19	22.34	22.01	23.0	0.0	
Channel				50300	51898	53100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2562.99	2670	(dBm)		
40	QPSK	1	1	22.21	22.27	22.05	23.0	0.0	
Channel				50200	51898	53498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	22.28	22.25	22.07	23.0	0.0	
Channel				50104	51898	53598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2673.99	(dBm)		
20	QPSK	1	1	22.25	22.24	22.06	23.0	0.0	
Channel				50000	51898	53698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2692.48	(dBm)		
15	QPSK	1	1	22.24	22.34	22.03	23.0	0.0	
Channel				50000	51898	53700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685	(dBm)		
10	QPSK	1	1	22.20	22.28	22.11	23.0	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				65000	65000	66200			
Frequency (MHz)				3700	3840	3960			
100	Pl2 BPSK	1	1	19.12	19.22	19.17			
100	Pl2 BPSK	1	137	19.98	20.03	19.96	21.0	0.0	
100	Pl2 BPSK	1	271	19.05	19.11	19.05			
100	Pl2 BPSK	135	0	19.84	19.97	19.93	21.0	0.0	
100	Pl2 BPSK	135	69	19.94	20.04	19.98	21.0	0.0	
100	Pl2 BPSK	135	138	19.80	19.86	19.82	21.0	0.0	
100	Pl2 BPSK	270	0	19.81	19.95	19.88			
100	QPSK	1	1	19.34	19.37	19.19			
100	QPSK	1	137	20.08	20.26	20.01	21.0	0.0	
100	QPSK	1	271	18.91	19.02	18.97			
100	QPSK	135	0	19.86	20.00	19.87	21.0	0.0	
100	QPSK	135	69	20.17	20.21	19.95	21.0	0.0	
100	QPSK	135	138	19.87	19.96	19.81	21.0	0.0	
100	QPSK	270	0	19.91	20.07	19.84			
100	16QAM	1	1	19.01	19.08	18.94	21.0	0.0	
100	64QAM	1	1	18.86	19.01	18.94	21.0	0.0	
100	256QAM	1	1	18.10	18.14	17.99	19.5	1.5	
Channel				64868	65000	66234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.03	20.24	19.97	21.0	0.0	
Channel				64834	65000	66268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.01	20.21	19.93	21.0	0.0	
Channel				64800	65000	66300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.00	3840	3935.01			
70	QPSK	1	1	20.04	20.23	19.91	21.0	0.0	
Channel				64868	65000	66334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.00	3840	3930.01			
60	QPSK	1	1	19.05	20.17	19.85	21.0	0.0	
Channel				64834	65000	66368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3935.02			
50	QPSK	1	1	20.01	20.25	19.95	21.0	0.0	
Channel				64800	65000	66400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.96	20.16	19.90	21.0	0.0	
Channel				64768	65000	66434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3975.01			
30	QPSK	1	1	19.96	20.14	19.91	21.0	0.0	
Channel				64734	65000	66468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.01	20.15	19.94	21.0	0.0	
Channel				64716	65000	66484	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.97	20.18	19.95	21.0	0.0	
Channel				64700	65000	66500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.94	20.19	19.88	21.0	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				65000	65000	66200			
Frequency (MHz)				3700	3840	3960			
100	Pl2 BPSK	1	1	19.68	19.74	19.62			
100	Pl2 BPSK	1	137	20.51	20.47	20.44	21.0	0.0	
100	Pl2 BPSK	1	271	19.51	19.60	19.52			
100	Pl2 BPSK	135	0	20.38	20.41	20.35	21.0	0.0	
100	Pl2 BPSK	135	69	20.46	20.52	20.48	21.0	0.0	
100	Pl2 BPSK	135	138	20.35	20.37	20.35	21.0	0.0	
100	Pl2 BPSK	270	0	20.38	20.46	20.35			
100	QPSK	1	1	19.81	19.77	19.75			
100	QPSK	1	137	20.58	20.76	20.51	21.0	0.0	
100	QPSK	1	271	19.34	19.48	19.43			
100	QPSK	135	0	20.39	20.45	20.41	21.0	0.0	
100	QPSK	135	69	20.67	20.74	20.59	21.0	0.0	
100	QPSK	135	138	20.44	20.52	20.25	21.0	0.0	
100	QPSK	270	0	20.34	20.58	20.41			
100	16QAM	1	1	19.53	19.56	19.50	21.0	0.0	
100	64QAM	1	1	19.46	19.53	19.46	21.0	0.0	
100	256QAM	1	1	19.33	19.33	19.34	19.5	1.5	
Channel				64968	66000	66234	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3955.01	(dBm)		
90	QPSK	1	1	20.36	20.45	20.27	21.0	0.0	
Channel				64933.5	66000	66263.5	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	20.33	20.49	20.30	21.0	0.0	
Channel				64900 <th>66000</th> <th>66300</th> <th>Tune-up limit</th> <th colspan="2">MPR</th>	66000	66300	Tune-up limit	MPR	
Frequency (MHz)				3712	3840	3945	(dBm)		
70	QPSK	1	1	20.34	20.53	20.34	21.0	0.0	
Channel				64868	66000	66334	Tune-up limit	MPR	
Frequency (MHz)				3706.02	3840	3920.01	(dBm)		
60	QPSK	1	1	20.39	20.53	20.39	21.0	0.0	
Channel				64833.5	66000	66366.5	Tune-up limit	MPR	
Frequency (MHz)				3726.01	3840	3955.02	(dBm)		
50	QPSK	1	1	20.34	20.43	20.28	21.0	0.0	
Channel				64800	66000	66300	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960 <th>(dBm)</th> <th colspan="2"></th>	(dBm)		
40	QPSK	1	1	20.43	20.44	20.28	21.0	0.0	
Channel				64768	66000	66434	Tune-up limit	MPR	
Frequency (MHz)				3740	3840	3955.01	(dBm)		
30	QPSK	1	1	20.38	20.45	20.28	21.0	0.0	
Channel				64734	66000	66468	Tune-up limit	MPR	
Frequency (MHz)				3701.01	3840	3970.02	(dBm)		
20	QPSK	1	1	20.43	20.47	20.34	21.0	0.0	
Channel				64700	66000	66484	Tune-up limit	MPR	
Frequency (MHz)				3707.50	3840	3972.51	(dBm)		
15	QPSK	1	1	20.40	20.52	20.29	21.0	0.0	
Channel				64700	66000	66500	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3970	(dBm)		
10	QPSK	1	1	20.32	20.48	20.29	21.0	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				633334			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		19.26		21.0	0.0	
100	Pi2 BPSK	1	137		20.28				
100	Pi2 BPSK	1	271		19.41				
100	Pi2 BPSK	135	0		20.12		21.0	0.0	
100	Pi2 BPSK	135	69		20.24		21.0	0.0	
100	Pi2 BPSK	135	136		20.19		21.0	0.0	
100	Pi2 BPSK	270	0		20.11				
100	QPSK	1	1		19.33		21.0	0.0	
100	QPSK	1	137		20.34				
100	QPSK	1	271		19.46		21.0	0.0	
100	QPSK	135	0		20.15				
100	QPSK	135	69		20.26				
100	QPSK	135	138		20.16		21.0	0.0	
100	QPSK	270	0		20.08		21.0	0.0	
100	16QAM	1	1		19.18				
100	16QAM	1	1		19.13		21.0	0.0	
100	256QAM	1	1		18.21		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		20.11	20.19	20.16	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		20.13	20.24	20.17	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3510.02	(dBm)	(dB)	
70	QPSK	1	1		20.20	20.27	20.19	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3510.02	(dBm)	(dB)	
60	QPSK	1	1		20.21	20.29	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		20.12	20.31	20.12	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		20.14	20.21	20.19	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		20.11	20.20	20.14	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		20.14	20.29	20.19	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		20.14	20.29	20.18	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		20.21	20.30	20.20	21.0	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				633334			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		19.71		21.0	0.0	
100	Pi2 BPSK	1	137		20.72				
100	Pi2 BPSK	1	271		19.90				
100	Pi2 BPSK	135	0		20.08		21.0	0.0	
100	Pi2 BPSK	135	69		20.79		21.0	0.0	
100	Pi2 BPSK	135	138		20.65		21.0	0.0	
100	Pi2 BPSK	270	0		20.62				
100	QPSK	1	1		19.86		21.0	0.0	
100	QPSK	1	137		20.89				
100	QPSK	1	271		19.98		21.0	0.0	
100	QPSK	135	0		20.59				
100	QPSK	135	69		20.62				
100	QPSK	135	138		20.58		21.0	0.0	
100	QPSK	270	0		20.64		21.0	0.0	
100	16QAM	1	1		19.64				
100	16QAM	1	1		19.60		21.0	0.0	
100	256QAM	1	1		18.73		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		20.65	20.63	20.60	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		20.63	20.76	20.64	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3484.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		20.56	20.63	20.68	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		20.62	20.66	20.72	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		20.68	20.70	20.67	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		20.57	20.63	20.61	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
30	QPSK	1	1		20.55	20.72	20.64	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		20.58	20.62	20.67	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		20.60	20.75	20.69	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		20.59	20.65	20.64	21.0	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				650000			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3760					
100	Pi2 BPSK	1	1		19.37		21.0	0.0	
100	Pi2 BPSK	1	137		20.31				
100	Pi2 BPSK	1	271		19.29				
100	Pi2 BPSK	135	0		20.14		21.0	0.0	
100	Pi2 BPSK	135	69		20.31		21.0	0.0	
100	Pi2 BPSK	135	138		20.09		21.0	0.0	
100	Pi2 BPSK	270	0		20.03				
100	QPSK	1	1		19.42		21.0	0.0	
100	QPSK	1	137		20.37				
100	QPSK	1	271		19.33		21.0	0.0	
100	QPSK	135	0		20.19				
100	QPSK	135	69		20.33				
100	QPSK	135	138		20.14		21.0	0.0	
100	QPSK	270	0		20.06		21.0	0.0	
100	16QAM	1	1		19.21				
100	16QAM	1	1		19.15		21.0	0.0	
100	256QAM	1	1		18.27		19.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3760	3765.01	(dBm)	(dB)	
90	QPSK	1	1		20.29	20.32	20.21	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3760	3760.02	(dBm)	(dB)	
80	QPSK	1	1		20.25	20.30	20.24	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735.02	3760	3770.01	(dBm)	(dB)	
70	QPSK	1	1		20.20	20.33	20.16	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3760	3775.02	(dBm)	(dB)	
60	QPSK	1	1		20.26	20.26	20.17	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3760	3775.02	(dBm)	(dB)	
50	QPSK	1	1		20.25	20.28	20.21	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3760	3760	(dBm)	(dB)	
40	QPSK	1	1		20.20	20.26	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3760	3765.01	(dBm)	(dB)	
30	QPSK	1	1		20.28	20.22	20.20	21.0	0.0
Channel				647304	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3760	3760.02	(dBm)	(dB)	
20	QPSK	1	1		20.24	20.25	20.21	21.0	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3760	3762.51	(dBm)	(dB)	
15	QPSK	1	1		20.30	20.30	20.25	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3760	3760	(dBm)	(dB)	
10	QPSK	1	1		20.25	20.32	20.22	21.0	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				65000					
Frequency (MHz)				3750					
100	Pi2 BPSK	1	1		19.61				
100	Pi2 BPSK	1	137		20.49		21.0	0.0	
100	Pi2 BPSK	1	271		19.55				
100	Pi2 BPSK	135	0		20.34		21.0	0.0	
100	Pi2 BPSK	135	69		20.53		21.0	0.0	
100	Pi2 BPSK	135	136		20.26				
100	Pi2 BPSK	270	0		20.18		21.0	0.0	
100	QPSK	1	1		19.62				
100	QPSK	1	137		20.55		21.0	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	0		20.42		21.0	0.0	
100	QPSK	135	69		20.58		21.0	0.0	
100	QPSK	135	136		20.27				
100	QPSK	270	0		20.26				
100	16QAM	1	1		19.36		21.0	0.0	
100	64QAM	1	1		19.34		21.0	0.0	
100	256QAM	1	1		18.43		19.5	1.5	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.47	20.40	20.47	21.0	0.0
Channel				64934	65000	65066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.48	20.46	20.45	21.0	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765			
70	QPSK	1	1		20.44	20.49	20.38	21.0	0.0
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.49	20.45	20.48	21.0	0.0
Channel				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.51	20.51	20.43	21.0	0.0
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.52	20.53	20.38	21.0	0.0
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.03	3750	3785.01			
30	QPSK	1	1		20.52	20.51	20.40	21.0	0.0
Channel				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.46	20.47	20.45	21.0	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		20.54	20.52	20.47	21.0	0.0
Channel				64668	65000	65334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		20.48	20.54	20.46	21.0	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				63334					
Frequency (MHz)				3600.01					
100	Pi2 BPSK	1	1		19.18				
100	Pi2 BPSK	1	137		20.06		21.0	0.0	
100	Pi2 BPSK	1	271		19.48				
100	Pi2 BPSK	135	0		19.64		21.0	0.0	
100	Pi2 BPSK	135	69		19.79		21.0	0.0	
100	Pi2 BPSK	135	136		19.92				
100	Pi2 BPSK	270	0		19.74			0.0	
100	QPSK	1	1		19.24				
100	QPSK	1	137		20.13		21.0	0.0	
100	QPSK	1	271		19.92				
100	QPSK	135	0		19.89		21.0	0.0	
100	QPSK	135	69		20.04		21.0	0.0	
100	QPSK	135	136		19.97				
100	QPSK	270	0		19.95				
100	16QAM	1	1		18.83		21.0	0.0	
100	64QAM	1	1		18.79		21.0	0.0	
100	256QAM	1	1		18.25		19.5	1.5	
Channel				63300	63334	63368	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.04	20.06	19.99	21.0	0.0
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.99	20.01	19.92	21.0	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.96	20.07	19.87	21.0	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.04	20.01	19.93	21.0	0.0
Channel				63168	63334	63500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.01	20.08	19.86	21.0	0.0
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.00	20.03	19.86	21.0	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.99	19.98	19.88	21.0	0.0
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.97	20.09	19.94	21.0	0.0
Channel				63030	63334	63638	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.96	19.99	19.93	21.0	0.0
Channel				63004	63334	63674	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.97	20.04	19.89	21.0	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				63334					
Frequency (MHz)				3600.01					
100	Pi2 BPSK	1	1		19.42				
100	Pi2 BPSK	1	137		20.38		21.0	0.0	
100	Pi2 BPSK	1	271		19.82				
100	Pi2 BPSK	135	0		19.87		21.0	0.0	
100	Pi2 BPSK	135	69		20.11		21.0	0.0	
100	Pi2 BPSK	135	136		20.19				
100	Pi2 BPSK	270	0		20.04		21.0	0.0	
100	QPSK	1	1		19.50				
100	QPSK	1	137		20.45		21.0	0.0	
100	QPSK	1	271		19.87				
100	QPSK	135	0		19.87		21.0	0.0	
100	QPSK	135	69		20.36		21.0	0.0	
100	QPSK	135	136		20.20				
100	QPSK	270	0		20.21				
100	16QAM	1	1		19.15		21.0	0.0	
100	64QAM	1	1		19.14		21.0	0.0	
100	256QAM	1	1		18.55		19.5	1.5	
Channel				63300	63334	63368	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.39	20.35	20.13	21.0	0.0
Channel				63268	63334	63400	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.38	20.31	20.15	21.0	0.0
Channel				63234	63334	63434	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		20.37	20.38	20.16	21.0	0.0
Channel				63200	63334	63468	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.30	20.32	20.20	21.0	0.0
Channel				63168	63334	63500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.35	20.33	20.24	21.0	0.0
Channel				63134	63334	63534	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.39	20.36	20.16	21.0	0.0
Channel				63100	63334	63568	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.33	20.37	20.23	21.0	0.0
Channel				63068	63334	63600	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.32	20.37	20.26	21.0	0.0
Channel				63030	63334	63638	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.32	20.42	20.25	21.0	0.0
Channel				63004	63334	63674	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.29	20.39	20.17	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500000	518998	526000	24.0	0.0
Frequency (MHz)				2568.02	2569.99	2569.99		
100	PI2 BPSK	1	1	22.16	22.27	22.10	24.0	0.0
100	PI2 BPSK	1	137	23.35	23.51	23.29		
100	PI2 BPSK	1	271	22.23	22.30	22.27	24.0	0.0
100	PI2 BPSK	135	0	23.33	23.34	23.31		
100	PI2 BPSK	135	69	23.28	23.36	23.27	24.0	0.0
100	PI2 BPSK	135	138	23.22	23.35	23.23		
100	PI2 BPSK	270	0	23.31	23.40	23.18	24.0	0.0
100	QPSK	1	1	21.97	22.34	22.72		
100	QPSK	1	137	23.30	23.53	23.13	24.0	0.0
100	QPSK	1	271	22.26	22.20	22.19		
100	QPSK	135	0	23.19	23.46	23.10	24.0	0.0
100	QPSK	135	69	23.31	23.47	23.30		
100	QPSK	135	138	23.09	23.22	23.19	24.0	0.0
100	QPSK	270	0	23.05	23.36	23.09		
100	16QAM	1	1	22.06	22.17	22.04	24.0	0.0
100	16QAM	1	1	22.35	22.07	22.02		
100	256QAM	1	1	21.12	21.31	21.19	22.5	1.5
Channel				508000	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.13	23.45	23.10	24.0	0.0
Channel				507004	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	23.23	23.38	23.06	24.0	0.0
Channel				505200	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2522.02	2562.99	2658.99	(dBm)	(dB)
70	QPSK	1	1	23.18	23.39	23.13	24.0	0.0
Channel				505000	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2667.99	(dBm)	(dB)
60	QPSK	1	1	23.15	23.50	23.08	24.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	23.25	23.46	23.15	24.0	0.0
Channel				503200	518998	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.21	23.42	23.12	24.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	23.23	23.38	23.07	24.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	23.21	23.39	23.14	24.0	0.0
Channel				500700	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2562.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	23.24	23.38	23.11	24.0	0.0
Channel				500200	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2562.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.15	23.43	23.10	24.0	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				650000	650000	650000	16.5	0.0
Frequency (MHz)				3700	3840	3960		
100	PI2 BPSK	1	1	14.84	14.93	14.83	16.5	0.0
100	PI2 BPSK	1	137	15.65	15.78	15.70		
100	PI2 BPSK	1	271	14.76	14.73	14.70	16.5	0.0
100	PI2 BPSK	135	0	15.53	15.71	15.67		
100	PI2 BPSK	135	69	15.77	15.76	15.71	16.5	0.0
100	PI2 BPSK	135	138	15.54	15.56	15.48		
100	PI2 BPSK	270	0	15.53	15.68	15.59	16.5	0.0
100	QPSK	1	1	15.03	15.05	14.77		
100	QPSK	1	137	15.77	15.84	15.80	16.5	0.0
100	QPSK	1	271	14.74	14.82	14.75		
100	QPSK	135	0	15.65	15.73	15.61	16.5	0.0
100	QPSK	135	69	15.70	15.62	15.78		
100	QPSK	135	138	15.58	15.68	15.56	16.5	0.0
100	QPSK	270	0	15.87	15.76	15.54		
100	16QAM	1	1	14.84	14.75	14.71	16.5	0.0
100	16QAM	1	1	14.82	14.68	14.61		
100	256QAM	1	1	14.78	14.82	14.73	16.5	0.0
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	15.57	15.66	15.55	16.5	0.0
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.59	15.65	15.57	16.5	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.03	3840	3945.01	(dBm)	(dB)
70	QPSK	1	1	15.58	15.63	15.56	16.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	15.57	15.64	15.56	16.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	15.57	15.63	15.56	16.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	15.59	15.65	15.57	16.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	15.59	15.64	15.56	16.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	15.58	15.66	15.54	16.5	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	15.58	15.67	15.57	16.5	0.0
Channel				646668	650000	665334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	15.56	15.65	15.56	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	636668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI2 BPSK	1	1	14.65			16.5	0.0
100	PI2 BPSK	1	137	15.81				
100	PI2 BPSK	1	271	15.14			16.5	0.0
100	PI2 BPSK	135	0	15.44				
100	PI2 BPSK	135	69	15.56			16.5	0.0
100	PI2 BPSK	135	138	15.43				
100	PI2 BPSK	270	0	15.46			16.5	0.0
100	QPSK	1	1	14.99				
100	QPSK	1	137	15.69			16.5	0.0
100	QPSK	1	271	15.13				
100	QPSK	135	0	15.40			16.5	0.0
100	QPSK	135	69	15.63				
100	QPSK	135	138	15.51			16.5	0.0
100	QPSK	270	0	15.58				
100	16QAM	1	1	14.66			16.5	0.0
100	16QAM	1	1	14.35				
100	256QAM	1	1	14.54			16.5	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.61	15.64	15.60	16.5	0.0
Channel				630000	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.60	15.62	15.58	16.5	0.0
Channel				630204	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.62	15.62	15.59	16.5	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.60	15.63	15.58	16.5	0.0
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.61	15.62	15.59	16.5	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.62	15.64	15.61	16.5	0.0
Channel				631000	633334	636568	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3466.02	3500.01	3538.60	(dBm)	(dB)
30	QPSK	1	1	15.60	15.60	15.56	16.5	0.0
Channel				630968	633334	636800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.61	15.63	15.60	16.5	0.0
Channel				630900	633334	636108	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.54	3500.01	3542.82	(dBm)	(dB)
15	QPSK	1	1	15.59	15.63	15.57	16.5	0.0
Channel				630834	633334	636034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	15.61	15.61	15.60	16.5	0.0



Part270 n78 Ant2 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				650000	3790	650000			
Frequency (MHz)									
100	Pi2 BPSK	1	1		14.65				
100	Pi2 BPSK	1	137		15.51		16.5	0.0	
100	Pi2 BPSK	1	271		14.63				
100	Pi2 BPSK	135	0		15.30		16.5	0.0	
100	Pi2 BPSK	135	69		15.46		16.5	0.0	
100	Pi2 BPSK	135	138		15.35		16.5	0.0	
100	Pi2 BPSK	270	0		15.50				
100	QPSK	1	1		14.55				
100	QPSK	1	137		15.00		16.5	0.0	
100	QPSK	1	271		14.54				
100	QPSK	135	0		15.41		16.5	0.0	
100	QPSK	135	69		15.45		16.5	0.0	
100	QPSK	135	138		15.43		16.5	0.0	
100	QPSK	270	0		15.43				
100	16QAM	1	1		14.58		16.5	0.0	
100	64QAM	1	1		14.67		16.5	0.0	
100	256QAM	1	1		14.56		16.5	0.0	
Channel				646868	650000	650334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3790	3795.01			
90	QPSK	1	1		15.39	15.39	16.5	0.0	
Channel				649334	650000	650668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3790	3760.02			
80	QPSK	1	1		15.41	15.41	15.35	16.5	
Channel				649060	650000	651000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3735	3790	3795			
70	QPSK	1	1		15.41	15.42	15.35	16.5	
Channel				648868	650000	651334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3729.02	3790	3793.01			
60	QPSK	1	1		15.37	15.33	15.34	16.5	
Channel				648334	650000	651668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3790	3775.02			
50	QPSK	1	1		15.40	15.39	15.37	16.5	
Channel				645000	650000	652000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3720	3790	3780			
40	QPSK	1	1		15.39	15.40	15.35	16.5	
Channel				647668	650000	652334	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3719.02	3790	3781.01			
30	QPSK	1	1		15.38	15.40	15.35	16.5	
Channel				647334	650000	652668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3715.01	3790	3790.02			
20	QPSK	1	1		15.39	15.39	15.36	16.5	
Channel				647168	650000	652834	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3790	3762.61			
15	QPSK	1	1		15.38	15.42	15.38	16.5	
Channel				647000	650000	653000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3705	3790	3795			
10	QPSK	1	1		15.39	15.40	15.38	16.5	

Part27Q n78 Ant2 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		14.16				
100	Pi2 BPSK	1	137		15.33		16.5	0.0	
100	Pi2 BPSK	1	271		15.06				
100	Pi2 BPSK	135	0		14.59		16.5	0.0	
100	Pi2 BPSK	135	69		15.12		16.5	0.0	
100	Pi2 BPSK	135	138		15.09		16.5	0.0	
100	Pi2 BPSK	270	0		15.20				
100	QPSK	1	1		14.24				
100	QPSK	1	137		15.43		16.5	0.0	
100	QPSK	1	271		15.07				
100	QPSK	135	0		14.73		16.5	0.0	
100	QPSK	135	69		15.17		16.5	0.0	
100	QPSK	135	138		15.21		16.5	0.0	
100	QPSK	270	0		15.15				
100	16QAM	1	1		15.03		16.5	0.0	
100	64QAM	1	1		14.19		16.5	0.0	
100	256QAM	1	1		14.18		16.5	0.0	
Channel				633900	633334	633668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		15.22	15.25	15.24	16.5	
Channel				632568	633334	634000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		15.20	15.24	15.24	16.5	
Channel				632234	633334	634333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		15.19	15.27	15.23	16.5	
Channel				632000	633334	634668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		15.22	15.24	15.25	16.5	
Channel				631668	633334	635000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		15.20	15.26	15.24	16.5	
Channel				631334	633334	635333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		15.20	15.25	15.24	16.5	
Channel				631000	633334	635668	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3536.02			
30	QPSK	1	1		15.23	15.25	15.23	16.5	
Channel				630668	633334	636000	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		15.20	15.27	15.25	16.5	
Channel				630500	633334	636168	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		15.20	15.27	15.24	16.5	
Channel				630234	633334	636333	Tune-up time (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		15.20	15.26	15.24	16.5	



n2 Ant4								
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				375000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	20.59	21.02	20.59		
30	PI2 BPSK	1	80	20.81	20.81	20.74	22.0	0.0
30	PI2 BPSK	1	158	20.71	20.78	20.70		
30	PI2 BPSK	80	0	20.45	20.46	20.53	22.0	0.0
30	PI2 BPSK	80	40	20.50	20.57	20.68	22.0	0.0
30	PI2 BPSK	80	80	20.40	20.46	20.40	22.0	0.0
30	PI2 BPSK	160	0	20.32	20.49	20.40		
30	QPSK	1	1	20.97	21.12	21.04		
30	QPSK	1	80	20.67	20.91	20.80	22.0	0.0
30	QPSK	1	158	20.71	20.77	20.78		
30	QPSK	80	0	20.09	20.21	20.07	22.0	0.0
30	QPSK	80	40	21.03	21.07	21.06	22.0	0.0
30	QPSK	80	80	20.08	20.17	20.08	22.0	0.0
30	QPSK	160	0	20.04	20.21	20.13		
30	16QAM	1	1	20.72	20.77	20.65	22.0	0.0
30	64QAM	1	1	19.15	19.29	19.19	20.5	1.5
30	256QAM	1	1	17.80	17.87	17.72	18.5	3.5
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1897.5		
25	QPSK	1	1	20.09	20.91	20.81	22.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.09	20.86	20.88	22.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.78	20.86	20.79	22.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.70	20.84	20.86	22.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1907.5		
5	QPSK	1	1	20.75	20.90	20.85	22.0	0.0

n5 Ant4								
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					167500			
Frequency (MHz)					836.5			
25	PI2 BPSK	1	1		22.84			
25	PI2 BPSK	1	67		22.57		24.0	0.0
25	PI2 BPSK	1	131		22.51			
25	PI2 BPSK	64	0		22.29		23.5	0.5
25	PI2 BPSK	64	35		22.50		24.0	0.0
25	PI2 BPSK	64	69		22.24		23.5	0.5
25	PI2 BPSK	128	0		22.32			
25	QPSK	1	1		22.90			
25	QPSK	1	67		22.64		24.0	0.0
25	QPSK	1	131		22.53			
25	QPSK	64	0		21.78		23.0	1.0
25	QPSK	64	35		22.82		24.0	0.0
25	QPSK	64	69		21.73		23.0	1.0
25	QPSK	128	0		21.75			
25	16QAM	1	1		21.28		23.0	1.0
25	64QAM	1	1		19.95		21.5	2.5
25	256QAM	1	1		18.92		19.5	4.5
Channel				169000	167500	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.74	22.78	22.69	0.0	0.0
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	845.5	841.5		
15	QPSK	1	1	22.75	22.78	22.65	24.0	0.0
Channel				165800	167500	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	845.5	844		
10	QPSK	1	1	22.68	22.83	22.86	24.0	0.0
Channel				165300	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.80	22.66	24.0	0.0

n12 Ant4								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.83	22.92	22.86		
15	PI2 BPSK	1	40	22.78	22.86	22.75	24.0	0.0
15	PI2 BPSK	1	77	22.76	22.80	22.68		
15	PI2 BPSK	36	0	22.62	22.68	22.58	23.5	0.5
15	PI2 BPSK	36	22	22.78	22.89	22.77	24.0	0.0
15	PI2 BPSK	36	43	22.47	22.82	22.55	23.5	0.5
15	PI2 BPSK	75	0	22.60	22.66	22.58		
15	QPSK	1	1	22.90	22.97	22.86		
15	QPSK	1	40	22.67	22.93	22.80	24.0	0.0
15	QPSK	1	77	22.73	22.84	22.71		
15	QPSK	36	0	22.15	22.19	22.12	23.0	1.0
15	QPSK	36	22	22.83	22.92	22.87	24.0	0.0
15	QPSK	36	43	22.10	22.14	22.00	23.0	1.0
15	QPSK	35	0	22.10	22.15	22.14		
15	16QAM	1	1	21.72	21.82	21.76	23.0	1.0
15	64QAM	1	1	20.20	20.31	20.20	21.5	2.5
15	256QAM	1	1	18.78	18.93	18.80	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.78	22.93	22.80	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	22.88	22.75	24.0	0.0



n14 Ant4								
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				790				
Frequency (MHz)				790				
10	PI2 BPSK	1	1	22.56			24.0	0.0
10	PI2 BPSK	1	26	22.51				
10	PI2 BPSK	1	50	22.48				
10	PI2 BPSK	25	0	22.11			23.5	0.5
10	PI2 BPSK	25	14	22.32			24.0	0.0
10	PI2 BPSK	25	27	21.99			23.5	0.5
10	PI2 BPSK	50	0	22.06				
10	QPSK	1	1	22.61			24.0	0.0
10	QPSK	1	26	22.54				
10	QPSK	1	50	22.50				
10	QPSK	25	0	21.66			23.0	1.0
10	QPSK	25	14	22.57			24.0	0.0
10	QPSK	25	27	21.61			23.0	1.0
10	QPSK	50	0	21.65			23.0	1.0
10	16QAM	1	1	21.44				
10	64QAM	1	1	19.87				
10	256QAM	1	1	18.45			19.5	4.5
Channel				159100	159500	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.50	22.58	22.41	24.0	0.0

n25 Ant4								
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				374500	375000	375500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	20.42	20.53	20.35	22.0	0.0
45	PI2 BPSK	1	61	21.08	21.05	21.04		
45	PI2 BPSK	1	121	20.33	20.45	20.30		
45	PI2 BPSK	121	0	20.31	20.36	20.34	22.0	0.0
45	PI2 BPSK	121	61	21.05	21.04	20.96	22.0	0.0
45	PI2 BPSK	121	121	20.40	20.47	20.32	22.0	0.0
45	PI2 BPSK	242	0	20.49	20.54	20.53		
45	QPSK	1	1	20.38	20.57	20.35	22.0	0.0
45	QPSK	1	61	21.16	21.22	21.07		
45	QPSK	1	121	20.35	20.54	20.38		
45	QPSK	121	0	20.10	20.16	20.07	22.0	0.0
45	QPSK	121	61	21.04	21.13	21.06	22.0	0.0
45	QPSK	121	121	20.89	20.88	20.83	22.0	0.0
45	QPSK	242	0	21.01	21.01	20.97	22.0	0.0
45	16QAM	1	1	20.23	20.27	20.16		
45	64QAM	1	1	18.73	18.84	18.69		
45	256QAM	1	1	17.28	17.44	17.29	18.5	3.5
Channel				374000	375000	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870 <th>1882.5<th>1895<th><th></th></th></th></th>	1882.5 <th>1895<th><th></th></th></th>	1895 <th><th></th></th>	<th></th>	
40	QPSK	1	1	20.55	20.54	20.45	0.0	0.0
Channel				373500	375000	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5 <th>1882.5</th> <th>1897.5</th> <th><th></th></th>	1882.5	1897.5	<th></th>	
35	QPSK	1	1	20.54	20.48	20.52	22.0	0.0
Channel				373000	375000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860 <th>1882.5</th> <th>1920</th> <th><th></th></th>	1882.5	1920	<th></th>	
30	QPSK	1	1	20.47	20.53	20.44	22.0	0.0
Channel				372500	375000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5 <th>1882.5</th> <th>1902.5</th> <th><th></th></th>	1882.5	1902.5	<th></th>	
25	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel				372000	375000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860 <th>1882.5</th> <th>1905</th> <th><th></th></th>	1882.5	1905	<th></th>	
20	QPSK	1	1	20.51	20.55	20.45	22.0	0.0
Channel				371500	375000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5 <th>1882.5</th> <th>1907.5</th> <th><th></th></th>	1882.5	1907.5	<th></th>	
15	QPSK	1	1	20.46	20.58	20.51	22.0	0.0
Channel				371000	375000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855 <th>1882.5</th> <th>1910</th> <th><th></th></th>	1882.5	1910	<th></th>	
10	QPSK	1	1	20.43	20.45	20.54	22.0	0.0
Channel				370500	375000	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5 <th>1882.5</th> <th>1912.5</th> <th><th></th></th>	1882.5	1912.5	<th></th>	
5	QPSK	1	1	20.53	20.60	20.51	22.0	0.0

n26 Ant4								
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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.78	22.83	22.71	24.0	0.0
20	PI2 BPSK	1	53	22.63	22.75	22.63		
20	PI2 BPSK	1	104	22.58	22.63	22.56		
20	PI2 BPSK	50	0	22.35	22.39	22.28	23.5	0.5
20	PI2 BPSK	50	25	22.69	22.80	22.71	24.0	0.0
20	PI2 BPSK	50	56	22.23	22.33	22.29	23.5	0.5
20	PI2 BPSK	100	0	22.28	22.38	22.34		
20	QPSK	1	1	22.85	22.68	22.79	24.0	0.0
20	QPSK	1	53	22.77	22.81	22.70		
20	QPSK	1	104	22.80	22.72	22.81		
20	QPSK	50	0	21.84	21.87	21.77	23.0	1.0
20	QPSK	50	25	22.80	22.84	22.77	24.0	0.0
20	QPSK	50	56	21.75	21.82	21.79	23.0	1.0
20	QPSK	100	0	21.77	21.85	21.81	23.0	1.0
20	16QAM	1	1	21.29	21.42	21.32		
20	64QAM	1	1	19.97	20.04	19.94		
20	256QAM	1	1	18.51	18.62	18.59	19.5	4.5
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.73	22.85	22.76	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	22.75	22.77	22.68	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	840.5		
5	QPSK	1	1	22.80	22.83	22.75	24.0	0.0



n66 Ant4									
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				346500	346000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	20.22	20.24	20.10		22.0	0.0
45	PI2 BPSK	1	61	20.75	20.84	20.69			
45	PI2 BPSK	1	121	20.09	20.07	20.08		22.0	0.0
45	PI2 BPSK	121	0	20.12	20.22	20.10			
45	PI2 BPSK	121	61	20.76	20.86	20.74		22.0	0.0
45	PI2 BPSK	121	121	20.05	20.11	20.05			
45	PI2 BPSK	242	0	20.13	20.23	20.08		22.0	0.0
45	QPSK	1	1	20.04	20.16	20.10			
45	QPSK	1	61	20.74	20.80	20.71		22.0	0.0
45	QPSK	1	121	20.20	20.27	20.17			
45	QPSK	121	0	20.07	20.16	20.07		22.0	0.0
45	QPSK	121	61	20.80	20.89	20.77			
45	QPSK	121	121	20.16	20.16	20.07		22.0	0.0
45	QPSK	242	0	20.75	20.84	20.68			
45	16QAM	1	1	20.07	20.03	20.05		22.0	0.0
45	64QAM	1	1	18.57	18.68	18.56			
45	256QAM	1	1	17.26	17.33	17.20		18.5	3.5
Channel				347500	345000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	20.11	20.26	20.18		22.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	20.16	20.21	20.16		22.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1721	1745	1769			
30	QPSK	1	1	20.16	20.21	20.16		22.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	20.13	20.24	20.05		22.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.21	20.26	20.06		22.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.21	20.16	20.09		22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712	1745	1775			
10	QPSK	1	1	20.14	20.21	20.07		22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.24	20.26	20.08		22.0	0.0

n70 Ant4									
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	345000	345000			
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	21.84				23.0	0.0
15	PI2 BPSK	1	40	21.71					
15	PI2 BPSK	1	77	21.68				22.5	0.5
15	PI2 BPSK	36	0	21.34					
15	PI2 BPSK	36	22	21.70				23.0	0.0
15	PI2 BPSK	36	43	21.36					
15	PI2 BPSK	75	0	21.44				22.5	0.5
15	QPSK	1	1	21.67					
15	QPSK	1	40	21.79				23.0	0.0
15	QPSK	1	77	21.73					
15	QPSK	36	0	21.03				22.0	1.0
15	QPSK	36	22	21.81					
15	QPSK	36	43	21.08				22.0	1.0
15	QPSK	75	0	21.13					
15	16QAM	1	1	20.57				22.0	1.0
15	64QAM	1	1	19.08					
15	256QAM	1	1	17.62				20.5	2.5
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	21.69	21.79	21.64		23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	21.70	21.82	21.72		23.0	0.0

n71 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.10	23.19	23.07		24.0	0.0
20	PI2 BPSK	1	53	22.93	23.01	22.88			
20	PI2 BPSK	1	104	22.74	22.87	22.78		23.5	0.5
20	PI2 BPSK	50	0	22.54	22.68	22.60			
20	PI2 BPSK	50	25	23.12	23.16	23.13		23.5	0.5
20	PI2 BPSK	50	56	22.99	22.92	22.98			
20	PI2 BPSK	100	0	22.95	22.96	22.81		24.0	0.0
20	QPSK	1	1	23.23	23.26	23.18			
20	QPSK	1	53	23.06	23.08	22.93		23.0	1.0
20	QPSK	1	104	22.75	22.83	22.84			
20	QPSK	50	0	22.03	22.15	22.05		23.0	1.0
20	QPSK	50	25	23.19	23.22	23.15			
20	QPSK	50	56	21.91	22.05	22.01		23.0	1.0
20	QPSK	100	0	22.06	22.11	22.02			
20	16QAM	1	1	21.70	21.77	21.67		21.5	2.5
20	64QAM	1	1	20.16	20.23	20.11			
20	256QAM	1	1	18.75	18.83	18.70		18.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.09	23.13	23.11		24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	698			
10	QPSK	1	1	23.08	23.21	23.06		24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665	680.5	695.5			
5	QPSK	1	1	23.10	23.15	23.14		24.0	0.0

n41 Ant4 PC3&2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.54	18.55	18.42			
100	PI/2 BPSK	1	137	20.00	19.95	19.96			
100	PI/2 BPSK	1	271	19.09	19.26	19.18	20.5	0.0	
100	PI/2 BPSK	135	0	19.06	19.04	19.01			
100	PI/2 BPSK	135	69	19.76	19.81	19.82			
100	PI/2 BPSK	135	138	19.20	19.22	19.08			
100	PI/2 BPSK	270	0	19.39	19.54	19.43	20.5	0.0	
100	QPSK	1	1	18.31	18.72	18.75			
100	QPSK	1	137	19.55	20.05	19.93			
100	QPSK	1	271	19.13	19.30	19.23			
100	QPSK	135	0	18.67	18.67	18.64	20.5	0.0	
100	QPSK	135	69	19.50	20.09	19.88	20.5	0.0	
100	QPSK	135	138	18.73	18.91	18.89	20.5	0.0	
100	QPSK	270	0	18.56	19.03	19.02			
100	16QAM	1	1	17.74	17.75	17.68	20.5	0.0	
100	64QAM	1	1	19.47	19.52	19.45	20.5	0.0	
100	256QAM	1	1	17.58	17.66	17.55	19.5	1.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	18.57	18.72	18.77	20.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2533.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	18.64	18.72	18.82	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	18.57	18.75	18.80	20.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	18.54	18.73	18.83	20.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	18.58	18.70	18.81	20.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	18.55	18.63	18.79	20.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.66	18.74	18.75	20.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	18.64	18.65	18.83	20.5	0.0	
Channel				500200	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	18.59	18.68	18.80	20.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	18.58	18.65	18.84	20.5	0.0	



n48 Ant5 Part96									
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				636000	641666	646332	19.0	0.0	
Frequency (MHz)				3570	3624.99	3679.98			
40	PV2 BPSK	1	1	17.44	17.57	17.46			
40	PV2 BPSK	1	53	17.38	17.52	17.52	19.0	0.0	
40	PV2 BPSK	1	104	17.39	17.55	17.44			
40	PV2 BPSK	50	9	17.39	17.45	17.24			
40	PV2 BPSK	50	28	17.35	18.03	17.44	19.0	0.0	
40	PV2 BPSK	50	56	17.35	17.68	17.50	19.0	0.0	
40	PV2 BPSK	100	9	17.35	17.43	17.26	19.0	0.0	
40	QPSK	1	1	17.48	17.46	17.41			
40	QPSK	1	53	17.43	17.53	17.43			
40	QPSK	1	104	17.34	17.52	17.31	19.0	0.0	
40	QPSK	50	9	17.40	17.43	17.25			
40	QPSK	50	28	17.44	18.09	17.51			
40	QPSK	50	56	17.34	17.65	17.51	19.0	0.0	
40	QPSK	100	9	17.42	17.45	17.32	19.0	0.0	
40	16QAM	1	1	17.39	17.40	17.36			
40	16QAM	1	1	19.31	19.49	19.33		19.0	
40	256QAM	1	1	18.46	18.49	18.47	18.5	0.5	
Channel				637254	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690	19.0	0.0	
20	QPSK	1	1	17.34	17.37	17.37			
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49	19.0	0.0	
15	QPSK	1	1	17.42	17.43	17.34			
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3694.98	19.0	0.0	
10	QPSK	1	1	17.42	17.41	17.34			

Part270 n77 Ant5 PC3&PC2									
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				650000	650000	650000	21.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	19.62	19.67	19.59			
100	PV2 BPSK	1	137	20.63	20.66	20.67	21.5	0.0	
100	PV2 BPSK	1	271	19.49	19.65	19.58			
100	PV2 BPSK	135	9	20.40	20.42	20.33			
100	PV2 BPSK	135	69	20.61	20.66	20.59	21.5	0.0	
100	PV2 BPSK	135	138	20.37	20.44	20.36	21.5	0.0	
100	PV2 BPSK	270	0	20.46	20.44	20.32	21.5	0.0	
100	QPSK	1	1	19.71	19.79	19.67			
100	QPSK	1	137	20.77	20.82	20.58			
100	QPSK	1	271	19.58	19.69	19.54	21.5	0.0	
100	QPSK	135	0	20.40	20.42	20.53			
100	QPSK	135	69	20.61	20.68	20.60			
100	QPSK	135	138	20.37	20.49	20.34	21.5	0.0	
100	QPSK	270	0	20.52	20.61	20.47	21.5	0.0	
100	16QAM	1	1	19.56	19.72	19.75			
100	64QAM	1	1	19.55	19.61	19.45			
100	256QAM	1	1	19.89	20.06	20.05	21.5	0.0	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	21.5	0.0	
90	QPSK	1	1	20.38	20.48	20.54			
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	21.5	0.0	
80	QPSK	1	1	20.35	20.43	20.55			
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	21.5	0.0	
70	QPSK	1	1	20.34	20.49	20.55			
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	21.5	0.0	
60	QPSK	1	1	20.38	20.53	20.50			
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	21.5	0.0	
50	QPSK	1	1	20.38	20.48	20.56			
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	21.5	0.0	
40	QPSK	1	1	20.40	20.44	20.56			
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	21.5	0.0	
30	QPSK	1	1	20.39	20.52	20.61			
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	21.5	0.0	
20	QPSK	1	1	20.35	20.47	20.58			
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3972.51	21.5	0.0	
15	QPSK	1	1	20.42	20.45	20.55			
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	21.5	0.0	
10	QPSK	1	1	20.36	20.48	20.54			

Part27Q n77 Ant5 PC3&PC2										
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				633000	633334	633668	21.5	0.0		
Frequency (MHz)				3500.01						
100	PV2 BPSK	1	1		19.83					
100	PV2 BPSK	1	137		20.73		21.5	0.0		
100	PV2 BPSK	1	271		19.69		21.5	0.0		
100	PV2 BPSK	135	0		20.76					
100	PV2 BPSK	135	69		20.71			21.5		
100	PV2 BPSK	135	138		20.58		21.5	0.0		
100	PV2 BPSK	270	0		20.53		21.5	0.0		
100	QPSK	1	1		19.90					
100	QPSK	1	137		19.73					21.5
100	QPSK	1	271		19.73		21.5	0.0		
100	QPSK	135	0		20.65					
100	QPSK	135	69		20.77			21.5		
100	QPSK	135	138		20.63		21.5	0.0		
100	QPSK	270	0		20.66		21.5	0.0		
100	16QAM	1	1		19.81					
100	64QAM	1	1		19.89			21.5		
100	256QAM	1	1		20.37		21.5	0.0		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02	21.5	0.0		
90	QPSK	1	1	20.37	20.43	20.52				
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510	21.5	0.0		
80	QPSK	1	1	20.45	20.43	20.60				
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01	21.5	0.0		
70	QPSK	1	1	20.41	20.53	20.58				
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02	21.5	0.0		
60	QPSK	1	1	20.39	20.49	20.60				
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525	21.5	0.0		
50	QPSK	1	1	20.43	20.44	20.51				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01	21.5	0.0		
40	QPSK	1	1	20.44	20.45	20.53	21.5	0.0		
Channel				631000	633334	635668				Tune-up limit (dBm)
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	20.43	20.52	20.56	21.5	0.0		
Channel				630668	633334	636000				Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	20.40	20.48	20.61	21.5	0.0		
Channel				630500	633334	636168				Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	20.41	20.46	20.59	21.5	0.0		
Channel				630334	633334	636334				Tune-up limit (dBm)
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	20.41	20.44	20.57	21.5	0.0		
Channel										Tune-up limit (dBm)
Frequency (MHz)										

Part270 n78 Ant5 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65000	Power High Ch. / Freq. 65000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750			21.5	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	19.77			21.5	0.0	
100	PI2 BPSK	1	137	20.72					
100	PI2 BPSK	1	271	19.62					
100	PI2 BPSK	135	0	20.67					
100	PI2 BPSK	135	69		20.61		21.5	0.0	
100	PI2 BPSK	135	138		20.60		21.5	0.0	
100	PI2 BPSK	270	0		20.48		21.5	0.0	
100	QPSK	1	1		19.72				
100	QPSK	1	137		20.76				
100	QPSK	1	271		19.77				
100	QPSK	135	0		20.71		21.5	0.0	
100	QPSK	135	69		20.67		21.5	0.0	
100	QPSK	135	138		20.60		21.5	0.0	
100	QPSK	270	0		20.54				
100	16QAM	1	1		19.75		21.5	0.0	
100	64QAM	1	1		19.71		21.5	0.0	
100	256QAM	1	1		20.11		21.5	0.0	
Channel				64968	65000	65034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	21.5	
90	QPSK	1	1	20.17	20.26	20.19	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	21.5	
80	QPSK	1	1	20.12	20.21	20.15	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	21.5	
70	QPSK	1	1	20.18	20.11	20.12	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	21.5	
60	QPSK	1	1	20.17	20.16	20.12	21.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	21.5	
50	QPSK	1	1	20.08	20.13	20.14	21.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	21.5	
40	QPSK	1	1	20.17	20.09	20.15	21.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	21.5	
30	QPSK	1	1	20.20	20.17	20.16	21.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3780.02	(dBm)	21.5	
20	QPSK	1	1	20.15	20.18	20.13	21.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3782.51	(dBm)	21.5	
15	QPSK	1	1	20.15	20.14	20.09	21.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3785	(dBm)	21.5	
10	QPSK	1	1	20.18	20.17	20.20	21.5	0.0	

Part27Q n78 Ant5 PC3&PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 63334	Power Middle Ch. / Freq. 63334	Power High Ch. / Freq. 63334	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01			21.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		19.93		21.5	0.0	
100	PI2 BPSK	1	137		20.68				
100	PI2 BPSK	1	271		19.75				
100	PI2 BPSK	135	0		20.77				
100	PI2 BPSK	135	69		20.55		21.5	0.0	
100	PI2 BPSK	135	138		20.53		21.5	0.0	
100	PI2 BPSK	270	0		20.67		21.5	0.0	
100	QPSK	1	1		19.99				
100	QPSK	1	137		20.84				
100	QPSK	1	271		19.92				
100	QPSK	135	0		20.76		21.5	0.0	
100	QPSK	135	69		20.77		21.5	0.0	
100	QPSK	135	138		20.53		21.5	0.0	
100	QPSK	270	0		20.58				
100	16QAM	1	1		19.77		21.5	0.0	
100	64QAM	1	1		19.66		21.5	0.0	
100	256QAM	1	1		20.23		21.5	0.0	
Channel				633000	63334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	21.5	
90	QPSK	1	1	20.16	20.22	20.14	21.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	21.5	
80	QPSK	1	1	20.10	20.28	20.09	21.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	21.5	
70	QPSK	1	1	20.14	20.32	20.12	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	21.5	
60	QPSK	1	1	20.18	20.30	20.16	21.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	21.5	
50	QPSK	1	1	20.14	20.27	20.15	21.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	21.5	
40	QPSK	1	1	20.14	20.23	20.19	21.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	21.5	
30	QPSK	1	1	20.16	20.25	20.15	21.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	21.5	
20	QPSK	1	1	20.11	20.23	20.19	21.5	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	21.5	
15	QPSK	1	1	20.15	20.28	20.19	21.5	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	21.5	
10	QPSK	1	1	20.13	20.26	20.09	21.5	0.0	

n41 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	23.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.64	20.71	20.57			
100	PI/2 BPSK	1	137	21.79	21.87	21.77			
100	PI/2 BPSK	1	271	20.81	20.85	20.78	23.0	0.0	
100	PI/2 BPSK	135	0	21.69	21.73	21.63			
100	PI/2 BPSK	135	69	21.68	21.80	21.73			
100	PI/2 BPSK	135	138	21.62	21.68	21.55			
100	PI/2 BPSK	270	0	21.66	21.74	21.62	23.0	0.0	
100	QPSK	1	1	20.11	20.75	20.67			
100	QPSK	1	137	21.64	21.93	21.77			
100	QPSK	1	271	20.83	20.92	20.85			
100	QPSK	135	0	21.74	21.80	21.73	23.0	0.0	
100	QPSK	135	69	21.56	21.85	21.73			
100	QPSK	135	138	21.66	21.71	21.56			
100	QPSK	270	0	21.51	21.78	21.64			
100	16QAM	1	1	20.57	20.64	20.52	23.0	0.0	
100	64QAM	1	1	20.52	20.57	20.48			
100	256QAM	1	1	19.69	19.73	19.70			
100	256QAM	1	1	19.69	19.73	19.70			
Channel				508200	518598	528996	23.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.54	21.80	21.62		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	21.50	21.81	21.63	23.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.51	21.88	21.68		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.54	21.83	21.70	23.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.60	21.79	21.62		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.59	21.89	21.72	23.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.50	21.78	21.68		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.57	21.87	21.66	23.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.53	21.89	21.68		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.54	21.85	21.66		0.0	

n41 Ant7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.76	22.87	22.80			
100	PI/2 BPSK	1	137	23.86	23.97	23.92			
100	PI/2 BPSK	1	271	22.73	22.84	22.77	25.0	0.0	
100	PI/2 BPSK	135	0	23.28	23.41	23.32			
100	PI/2 BPSK	135	69	23.81	23.95	23.83			
100	PI/2 BPSK	135	138	23.16	23.27	23.21			
100	PI/2 BPSK	270	0	23.26	23.36	23.24	25.0	0.0	
100	QPSK	1	1	22.78	22.94	22.88			
100	QPSK	1	137	23.92	24.05	23.86			
100	QPSK	1	271	22.83	22.92	22.80			
100	QPSK	135	0	22.85	22.94	22.87	25.0	0.0	
100	QPSK	135	69	23.87	23.98	23.92			
100	QPSK	135	138	22.83	22.76	22.70			
100	QPSK	270	0	23.02	23.11	23.09			
100	16QAM	1	1	22.06	22.18	22.13	25.0	0.0	
100	64QAM	1	1	20.35	20.46	20.39			
100	256QAM	1	1	17.14	17.24	17.11			
100	256QAM	1	1	17.14	17.24	17.11			
Channel				508200	518598	528996	25.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.70	23.85	23.63		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	23.68	23.87	23.63	25.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.71	23.80	23.68		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.72	23.83	23.62	25.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.68	23.87	23.67		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.68	23.86	23.62	25.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.72	23.81	23.63		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.68	23.86	23.66	25.0	0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.74	23.81	23.62		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.73	23.83	23.63		0.0	



Part27O n77 Ant8 PC3&PC2									
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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	18.26	18.44	18.31	20.0	0.0	
100	PV2 BPSK	1	137	19.24	19.28	19.19			
100	PV2 BPSK	1	271	18.18	18.34	18.26	20.0	0.0	
100	PV2 BPSK	135	0	18.93	19.10	18.96			
100	PV2 BPSK	135	69	19.10	19.20	19.10	20.0	0.0	
100	PV2 BPSK	135	138	18.98	18.98	18.95			
100	PV2 BPSK	270	0	18.97	19.08	18.97	20.0	0.0	
100	QPSK	1	1	18.29	18.41	18.36			
100	QPSK	1	137	19.27	19.33	19.32	20.0	0.0	
100	QPSK	1	271	18.36	18.36	18.31			
100	QPSK	135	0	18.96	19.22	18.98	20.0	0.0	
100	QPSK	135	69	19.17	19.27	19.24			
100	QPSK	135	138	19.08	18.11	18.89	20.0	0.0	
100	QPSK	270	0	19.17	19.20	19.07			
100	16QAM	1	1	18.52	18.68	18.51	20.0	0.0	
100	16QAM	1	1	18.67	18.74	18.61			
100	256QAM	1	1	18.69	18.82	18.71	20.0	0.0	
Channel				649999	650000	650000		Tune-up limit (dBm)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.23	19.31	19.08	20.0	0.0	
Channel				649334	650000	650968		Tune-up limit (dBm)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.24	19.31	19.09	20.0	0.0	
Channel				649000	650000	650000		Tune-up limit (dBm)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.22	19.28	19.10	20.0	0.0	
Channel				648668	650000	650334		Tune-up limit (dBm)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.12	19.23	19.08	20.0	0.0	
Channel				648334	650000	650668		Tune-up limit (dBm)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.23	19.27	19.05	20.0	0.0	
Channel				648000	650000	650000		Tune-up limit (dBm)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.19	19.24	19.17	20.0	0.0	
Channel				647668	650000	650334		Tune-up limit (dBm)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.23	19.25	19.07	20.0	0.0	
Channel				647334	650000	650668		Tune-up limit (dBm)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.12	19.31	19.13	20.0	0.0	
Channel				647168	650000	650484		Tune-up limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.17	19.24	19.09	20.0	0.0	
Channel				647000	650000	650000		Tune-up limit (dBm)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.24	19.30	19.17	20.0	0.0	
Channel									

Part27Q n77 Ant8 PC3&PC2									
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				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		18.54		20.0	0.0	
100	PV2 BPSK	1	137		19.39				
100	PV2 BPSK	1	271		18.35		20.0	0.0	
100	PV2 BPSK	135	0		19.23				
100	PV2 BPSK	135	69		19.40		20.0	0.0	
100	PV2 BPSK	135	138		19.19				
100	PV2 BPSK	270	0		19.30		20.0	0.0	
100	QPSK	1	1		18.62				
100	QPSK	1	137		19.42		20.0	0.0	
100	QPSK	1	271		18.43				
100	QPSK	135	0		19.26		20.0	0.0	
100	QPSK	135	69		19.41				
100	QPSK	135	138		19.21		20.0	0.0	
100	QPSK	270	0		19.30				
100	16QAM	1	1		18.65		20.0	0.0	
100	64QAM	1	1		18.73				
100	256QAM	1	1		18.74		20.0	0.0	
Channel				633000	633334	633668		Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.36	19.36	19.33	20.0	0.0	
Channel				632668	633334	634000		Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.32	19.35	19.30	20.0	0.0	
Channel				632334	633334	634334		Tune-up limit (dBm)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.33	19.32	19.34	20.0	0.0	
Channel				632000	633334	634668		Tune-up limit (dBm)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.33	19.34	19.36	20.0	0.0	
Channel				631668	633334	635000		Tune-up limit (dBm)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.30	19.39	19.34	20.0	0.0	
Channel				631334	633334	635334		Tune-up limit (dBm)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.35	19.40	19.35	20.0	0.0	
Channel				631000	633334	635668		Tune-up limit (dBm)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.35	19.34	19.35	20.0	0.0	
Channel				630668	633334	636000		Tune-up limit (dBm)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.37	19.36	19.28	20.0	0.0	
Channel				630500	633334	636168		Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.34	19.41	19.33	20.0	0.0	
Channel				630334	633334	636334		Tune-up limit (dBm)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.40	19.34	19.28	20.0	0.0	
Channel									

Part27O n78 Ant8 PC3&PC2									
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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PV2 BPSK	1	1		18.60		20.0	0.0	
100	PV2 BPSK	1	137		19.28				
100	PV2 BPSK	1	271		18.47		20.0	0.0	
100	PV2 BPSK	135	0		19.10				
100	PV2 BPSK	135	69		19.27		20.0	0.0	
100	PV2 BPSK	135	138		19.17				
100	PV2 BPSK	270	0		19.22		20.0	0.0	
100	QPSK	1	1		18.55				
100	QPSK	1	137		19.31		20.0	0.0	
100	QPSK	1	271		18.54				
100	QPSK	135	0		19.24		20.0	0.0	
100	QPSK	135	69		19.30				
100	QPSK	135	138		19.26		20.0	0.0	
100	QPSK	270	0		19.25				
100	16QAM	1	1		18.80		20.0	0.0	
100	64QAM	1	1		18.75				
100	256QAM	1	1		18.74		20.0	0.0	
Channel				649688	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		18.96	18.90	19.01	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	1		18.89	19.03	19.02	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	1		18.90	18.98	19.03	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	1		18.96	19.04	19.05	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	1		19.00	19.06	19.09	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	1		19.99	19.06	19.06	20.0	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.0	0.0	
30	QPSK	1	1		19.02	18.99	19.04	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	1		19.05	19.08	19.00	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	20.0	0.0	
15	QPSK	1	1		19.02	19.06	19.02	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	QPSK	1	1		18.96	19.04	19.08	20.0	0.0

Part27Q n78 Ant8 PC3&PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1		18.54		
100	PI2 BPSK	1	137		18.14		
100	PI2 BPSK	1	271		18.53		20.0
100	PI2 BPSK	135	0		19.01		20.0
100	PI2 BPSK	135	69		19.16		20.0
100	PI2 BPSK	135	138		19.07		20.0
100	PI2 BPSK	270	0		19.12		
100	QPSK	1	1		18.67		
100	QPSK	1	137		19.27		20.0
100	QPSK	1	271		18.64		
100	QPSK	135	0		19.17		20.0
100	QPSK	135	69		19.23		20.0
100	QPSK	135	138		19.14		20.0
100	QPSK	270	0		19.22		20.0
100	16QAM	1	1		18.67		20.0
100	64QAM	1	1		18.67		20.0
100	256QAM	1	1		18.64		20.0
Channel				633000	633334	633668	Tune-up limit MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm) (dB)
90	QPSK	1	1	18.86	18.88	18.93	20.0
Channel				632668	633334	634000	Tune-up limit MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	1	18.89	18.92	18.96	20.0
Channel				632334	633334	634334	Tune-up limit MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm) (dB)
70	QPSK	1	1	18.86	18.86	18.94	20.0
Channel				632000	633334	634668	Tune-up limit MPR
Frequency (MHz)				3480	3500.01	3520.01	(dBm) (dB)
60	QPSK	1	1	18.84	18.92	18.94	20.0
Channel				631668	633334	635000	Tune-up limit MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	1	18.85	18.93	18.88	20.0
Channel				631334	633334	635334	Tune-up limit MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm) (dB)
40	QPSK	1	1	18.83	18.85	18.90	20.0
Channel				631000	633334	635668	Tune-up limit MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm) (dB)
30	QPSK	1	1	18.83	18.84	18.95	20.0
Channel				630668	633334	636000	Tune-up limit MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	1	18.86	18.85	18.95	20.0
Channel				630500	633334	636168	Tune-up limit MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm) (dB)
15	QPSK	1	1	18.84	18.90	18.91	20.0
Channel				630334	633334	636334	Tune-up limit MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm) (dB)
10	QPSK	1	1	18.83	18.87	18.92	20.0

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n2 Ant0 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				14.85	14.92	14.79		
30	PV2 BPSK	1	1	14.85	14.92	14.79		
30	PV2 BPSK	1	80	15.03	15.28	15.13	16.0	0.0
30	PV2 BPSK	1	158	14.82	15.08	14.81		
30	PV2 BPSK	80	0	14.93	14.97	14.81	16.0	0.0
30	PV2 BPSK	80	40	15.11	15.24	15.13	16.0	0.0
30	PV2 BPSK	80	80	14.91	15.03	14.93	16.0	0.0
30	PV2 BPSK	160	0	14.87	14.96	14.75		
30	QPSK	1	1	14.98	15.31	15.06		
30	QPSK	1	80	14.92	15.06	14.94	16.0	0.0
30	QPSK	1	158	14.76	14.90	14.88		
30	QPSK	80	0	15.01	14.98	15.15	16.0	0.0
30	QPSK	80	40	15.06	15.18	14.92	16.0	0.0
30	QPSK	80	80	14.82	14.84	14.91	16.0	0.0
30	QPSK	160	0	15.07	15.22	15.16		
30	16QAM	1	1	14.84	14.97	14.90	16.0	0.0
30	64QAM	1	1	14.94	14.96	14.96	16.0	0.0
30	256QAM	1	1	14.96	14.95	14.83	16.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.82	14.88	14.84	16.0	0.0
25	QPSK	1	1	14.83	15.08	14.84		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.80	14.80	14.90	16.0	0.0
20	QPSK	1	1	14.87	15.15	14.84	16.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.81	14.80	14.82	16.0	0.0
15	QPSK	1	1	14.85	15.09	14.88	16.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.75	14.80	14.95	16.0	0.0
10	QPSK	1	1	14.74	15.16	14.92	16.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				14.62	14.80	14.97	16.0	0.0
5	QPSK	1	1	14.73	15.14	14.84	16.0	0.0

n5 Ant0 ECI7								
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					167500			
Frequency (MHz)					21.91			
25	PV2 BPSK	1	1		21.91			
25	PV2 BPSK	1	67		21.90		23.0	0.0
25	PV2 BPSK	1	131		21.88			
25	PV2 BPSK	64	0		21.91		23.0	0.0
25	PV2 BPSK	64	35		21.93		23.0	0.0
25	PV2 BPSK	64	69		21.92		23.0	0.0
25	PV2 BPSK	128	0		21.89			
25	QPSK	1	1		21.95			
25	QPSK	1	67		21.97		23.0	0.0
25	QPSK	1	131		21.91			
25	QPSK	64	0		21.89		23.0	0.0
25	QPSK	64	35		21.92		23.0	0.0
25	QPSK	64	69		21.78		23.0	0.0
25	QPSK	128	0		21.83		23.0	0.0
25	16QAM	1	1		21.32		23.0	0.0
25	64QAM	1	1		20.00		21.5	1.5
25	256QAM	1	1		18.53		19.5	3.5
Channel				166800	167500	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	836		
20	QPSK	1	1	21.92	21.90	21.87	23.0	0.0
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.90	21.96	21.91	23.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.91	21.95	21.86	23.0	0.0
Channel				165300	167900	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.86	21.93	21.85	23.0	0.0

n12 Ant0								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PV2 BPSK	1	1	22.84	22.98	22.75		
15	PV2 BPSK	1	40	22.75	22.83	22.71	24.0	0.0
15	PV2 BPSK	1	77	22.73	22.80	22.71		
15	PV2 BPSK	36	0	22.58	22.65	22.52	23.5	0.5
15	PV2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0
15	PV2 BPSK	36	43	22.54	22.61	22.50	23.5	0.5
15	PV2 BPSK	75	0	22.58	22.64	22.61		
15	QPSK	1	1	22.87	22.92	22.81		
15	QPSK	1	40	22.83	22.87	22.77	24.0	0.0
15	QPSK	1	77	22.72	22.81	22.68		
15	QPSK	36	0	22.04	22.12	22.08	23.0	1.0
15	QPSK	36	22	22.82	22.85	22.77	24.0	0.0
15	QPSK	36	43	22.02	22.07	21.94	23.0	1.0
15	QPSK	75	0	22.05	22.13	22.00		
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0
Channel				140500	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0

n14 Ant0									
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				795	158600				
Frequency (MHz)									
10	PI2 BPSK	1	1	22.57					
10	PI2 BPSK	1	26	22.53			24.0	0.0	
10	PI2 BPSK	1	50	22.50					
10	PI2 BPSK	25	0	22.12			23.5	0.5	
10	PI2 BPSK	25	14	22.55			24.0	0.0	
10	PI2 BPSK	25	27	22.07			23.5	0.5	
10	PI2 BPSK	50	0	22.14					
10	QPSK	1	1	22.64					
10	QPSK	1	26	22.59			24.0	0.0	
10	QPSK	1	50	22.55					
10	QPSK	25	0	21.73			23.0	1.0	
10	QPSK	25	14	22.60			24.0	0.0	
10	QPSK	25	27	21.66			23.0	1.0	
10	QPSK	50	0	21.78					
10	16QAM	1	1	21.36			23.0	1.0	
10	64QAM	1	1	19.91			21.5	2.5	
10	256QAM	1	1	18.48			19.5	4.5	
Channel				159100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	22.53	22.52	22.49	24.0	0.0	

n25 Ant0 ECI7									
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)				1872.5	1882.5	1892.5			
45	PI2 BPSK	1	1	14.15	14.37	14.29			
45	PI2 BPSK	1	61	15.04	15.13	14.93	16.0	0.0	0.0
45	PI2 BPSK	1	121	14.44	14.47	14.31			
45	PI2 BPSK	121	0	14.27	14.37	14.22	16.0	0.0	0.0
45	PI2 BPSK	121	61	15.07	15.21	15.03	16.0	0.0	0.0
45	PI2 BPSK	121	121	14.41	14.54	14.34			
45	PI2 BPSK	242	0	14.21	14.40	14.34	16.0	0.0	0.0
45	QPSK	1	1	15.04	15.23	14.98			
45	QPSK	1	61	14.25	14.49	14.37	16.0	0.0	0.0
45	QPSK	1	121	14.35	14.42	14.29			
45	QPSK	121	0	15.06	15.15	14.95	16.0	0.0	0.0
45	QPSK	121	61	14.42	15.11	14.57	16.0	0.0	0.0
45	QPSK	121	121	14.12	14.29	14.30			
45	QPSK	242	0	14.92	14.99	14.97	16.0	0.0	0.0
45	16QAM	1	1	14.37	14.52	14.41	16.0	0.0	0.0
45	64QAM	1	1	14.44	14.45	14.31	16.0	0.0	0.0
45	256QAM	1	1	14.43	14.39	14.42	16.0	0.0	0.0
Channel									
Frequency (MHz)				374000	376500	379000	Tune-up limit (dbm)	MPR (db)	
Channel				1870	1882.5	1895			
40	QPSK	1	1	15.30	15.24	15.27	16.0	0.0	0.0
Channel									
Frequency (MHz)				372500	376500	379500	Tune-up limit (dbm)	MPR (db)	
Channel				1867.5	1882.5	1897.5			
35	QPSK	1	1	15.08	15.03	15.10	16.0	0.0	0.0
Channel									
Frequency (MHz)				373000	376500	380000	Tune-up limit (dbm)	MPR (db)	
Channel				1864	1862.5	1860			
30	QPSK	1	1	15.07	15.13	15.16	16.0	0.0	0.0
Channel									
Frequency (MHz)				372500	376500	380500	Tune-up limit (dbm)	MPR (db)	
Channel				1862.5	1862.5	1862.5			
25	QPSK	1	1	15.13	15.10	15.10	16.0	0.0	0.0
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dbm)	MPR (db)	
Channel				1860	1862.5	1865			
20	QPSK	1	1	15.09	15.07	15.11	16.0	0.0	0.0
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dbm)	MPR (db)	
Channel				1857.5	1862.5	1867.5			
15	QPSK	1	1	15.19	15.05	15.14	16.0	0.0	0.0
Channel									
Frequency (MHz)				371000	376500	382000	Tune-up limit (dbm)	MPR (db)	
Channel				1864	1864.5	1864			
10	QPSK	1	1	15.12	15.12	15.02	16.0	0.0	0.0
Channel									
Frequency (MHz)				370500	376500	382500	Tune-up limit (dbm)	MPR (db)	
Channel				1852.5	1862.5	1912.5			
5	QPSK	1	1	15.10	15.00	15.08	16.0	0.0	0.0

n26 Ant0 ECI7									
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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	21.25	21.42	21.26			
20	PI2 BPSK	1	53	21.25	21.44	21.28	22.5	0.0	
20	PI2 BPSK	1	104	21.28	21.38	21.31			
20	PI2 BPSK	50	0	21.34	21.42	21.34	22.5	0.0	
20	PI2 BPSK	50	28	21.26	21.44	21.29	22.5	0.0	
20	PI2 BPSK	50	56	21.28	21.45	21.38			
20	PI2 BPSK	100	0	21.28	21.47	21.30	22.5	0.0	
20	QPSK	1	1	21.27	21.48	21.30			
20	QPSK	1	53	21.32	21.35	21.31	22.5	0.0	
20	QPSK	1	104	21.33	21.46	21.27			
20	QPSK	50	0	21.30	21.34	21.31	22.5	0.0	
20	QPSK	50	28	21.34	21.42	21.32	22.5	0.0	
20	QPSK	50	56	21.30	21.38	21.31			
20	QPSK	100	0	21.32	21.38	21.32	22.5	0.0	
20	16QAM	1	1	21.36	21.43	21.30	22.5	0.0	
20	64QAM	1	1	19.95	20.06	19.99	21.5	1.0	
20	256QAM	1	1	18.51	18.62	18.57	19.5	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	21.29	21.36	21.33	22.5	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	21.27	21.44	21.33	22.5	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	21.27	21.37	21.31	22.5	0.0	

n66 Ant0 ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	P12 BPSK	1	1	15.85	15.87	15.90			
45	P12 BPSK	1	61	15.88	15.90	15.93	17.0	0.0	
45	P12 BPSK	1	121	15.83	15.90	15.87			
45	P12 BPSK	121	0	15.93	15.88	15.89	17.0	0.0	
45	P12 BPSK	121	61	15.85	15.92	15.94	17.0	0.0	
45	P12 BPSK	121	121	15.91	15.97	15.85	17.0	0.0	
45	P12 BPSK	242	0	15.81	15.97	15.94			
45	QPSK	1	1	15.88	15.94	15.92			
45	QPSK	1	61	15.85	15.95	15.86	17.0	0.0	
45	QPSK	1	121	15.94	15.92	15.95			
45	QPSK	121	0	15.84	15.87	15.97	17.0	0.0	
45	QPSK	121	61	15.81	15.98	15.92	17.0	0.0	
45	QPSK	121	121	15.94	15.94	15.92			
45	QPSK	242	0	15.90	15.93	15.89	17.0	0.0	
45	16QAM	1	1	15.85	15.87	15.90	17.0	0.0	
45	64QAM	1	1	15.87	15.93	15.97	17.0	0.0	
45	256QAM	1	1	15.93	15.96	15.94	17.0	0.0	
Channel				349000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.89	15.93	15.84	17.0	0.0	
Channel				349500	349500	352500			
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	15.89	15.93	15.84	17.0	0.0	
Channel				345000	349000	353000			
30	QPSK	1	1	15.92	15.91	15.88	17.0	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.92	15.90	15.89	17.0	0.0	
Channel				346000	349000	354000			
Frequency (MHz)				1730	1745	1770			
20	QPSK	1	1	15.85	15.98	15.95	17.0	0.0	
Channel				343500	349500	355500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.93	15.92	15.93	17.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	15.85	15.87	15.87	17.0	0.0	
Channel				342000	349000	355000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.85	15.91	15.90	17.0	0.0	

n70 Ant0 ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500	340500				
Frequency (MHz)				1702.5					
15	P12 BPSK	1	1		17.02				
15	P12 BPSK	1	40		17.04		18.0	0.0	
15	P12 BPSK	1	77		17.04				
15	P12 BPSK	36	0		17.04		18.0	0.0	
15	P12 BPSK	36	22		17.04		18.0	0.0	
15	P12 BPSK	36	43		16.97		18.0	0.0	
15	P12 BPSK	75	0		17.02				
15	QPSK	1	1		17.06		18.0	0.0	
15	QPSK	1	40		16.92				
15	QPSK	1	77		17.05				
15	QPSK	36	0		17.00		18.0	0.0	
15	QPSK	36	22		17.01		18.0	0.0	
15	QPSK	36	43		16.93		18.0	0.0	
15	QPSK	75	0		16.98		18.0	0.0	
15	16QAM	1	1		16.99		18.0	0.0	
15	64QAM	1	1		17.02		18.0	0.0	
15	256QAM	1	1		16.91		18.0	0.0	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	16.92	17.01	16.97	18.0	0.0	
Channel				339500	340500	341500			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	17.03	17.02	16.91	18.0	0.0	

n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	P12 BPSK	1	1	22.92	23.05	22.97			
20	P12 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	P12 BPSK	1	104	22.73	22.83	22.79			
20	P12 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	P12 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	P12 BPSK	50	56	22.48	22.52	22.38	23.5	0.5	
20	P12 BPSK	100	0	22.50	22.58	22.52			
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.90	22.95	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.05	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.98	22.00	21.91			
20	QPSK	100	0	22.01	22.04	21.97	23.0	1.0	
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.93	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.92	23.08	22.96	24.0	0.0	

n7 Ant1 ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	20.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.69	19.73	19.60	20.5	0.0	
50	PI/2 BPSK	1	135	19.57	19.55	19.57			
50	PI/2 BPSK	1	268	19.27	19.30	19.26	20.5	0.0	
50	PI/2 BPSK	135	0	19.65	19.77	19.62			
50	PI/2 BPSK	135	68	19.49	19.60	19.53	20.5	0.0	
50	PI/2 BPSK	135	135	19.19	19.26	19.22			
50	PI/2 BPSK	270	0	19.73	19.72	19.66	20.5	0.0	
50	QPSK	1	1	19.52	19.78	19.55			
50	QPSK	1	135	19.16	19.27	19.24	20.5	0.0	
50	QPSK	1	268	19.70	19.77	19.69			
50	QPSK	135	0	19.53	19.64	19.49	20.5	0.0	
50	QPSK	135	68	19.18	19.74	19.26			
50	QPSK	135	135	19.68	19.64	19.65	20.5	0.0	
50	QPSK	270	0	19.52	19.58	19.47			
50	16QAM	1	1	19.18	19.30	19.17	20.5	0.0	
50	64QAM	1	1	19.53	19.55	19.57			
50	256QAM	1	1	18.89	18.92	18.84	19.0	1.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	20.5	0.0	
40	QPSK	1	1	19.62	19.59	19.56			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	20.5	0.0	
30	QPSK	1	1	19.56	19.65	19.48			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	20.5	0.0	
25	QPSK	1	1	19.49	19.68	19.52			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	20.5	0.0	
20	PI/2 BPSK	1	1	19.56	19.54	19.55			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0	
15	QPSK	1	1	19.61	19.67	19.49			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.5	0.0	
10	QPSK	1	1	19.58	19.63	19.47			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0	
5	QPSK	1	1	19.49	19.56	19.45			

n30 Ant1 ECI7									
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					462000		2310		
Frequency (MHz)									
10	PI/2 BPSK	1	1		20.73		21.5	0.0	
10	PI/2 BPSK	1	26		20.71				
10	PI/2 BPSK	1	50		20.85				
10	PI/2 BPSK	25	0		20.85				
10	PI/2 BPSK	25	14		20.76		21.5	0.0	
10	PI/2 BPSK	25	27		20.71		21.5	0.0	
10	PI/2 BPSK	50	0		20.82		21.5	0.0	
10	QPSK	1	1		20.86		21.5	0.0	
10	QPSK	1	26		20.77				
10	QPSK	1	50		20.76				
10	QPSK	25	0		20.76				
10	QPSK	25	14		20.81		21.5	0.0	
10	QPSK	25	27		20.80		21.5	0.0	
10	QPSK	50	0		20.75		21.5	0.0	
10	16QAM	1	1		20.73		21.5	0.0	
10	64QAM	1	1		20.39		21.5	0.0	
10	256QAM	1	1		18.89		19.5	2.0	
Channel				461500	462000	462500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	20.79	20.84	20.77	21.5	0.0	



n41 Ant1 PC3&2 ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518958	528000			
Frequency (MHz)				2506.12	2502.92	2504.81			
100	Pi/2 BPSK	1	1	19.54	19.64	19.43	20.5	0.0	
100	Pi/2 BPSK	1	137	19.56	19.58	19.39			
100	Pi/2 BPSK	1	271	19.56	19.56	19.44			
100	Pi/2 BPSK	135	0	19.53	19.56	19.47	20.5	0.0	
100	Pi/2 BPSK	135	69	19.55	19.63	19.48	20.5	0.0	
100	Pi/2 BPSK	135	138	19.59	19.65	19.42	20.5	0.0	
100	Pi/2 BPSK	270	0	19.62	19.62	19.42			
100	QPSK	1	1	19.52	19.60	19.46	20.5	0.0	
100	QPSK	1	137	19.60	19.67	19.47			
100	QPSK	1	271	19.65	19.61	19.43			
100	QPSK	135	0	19.55	19.61	19.37	20.5	0.0	
100	QPSK	135	69	19.63	19.66	19.47	20.5	0.0	
100	QPSK	135	138	19.52	19.61	19.38	20.5	0.0	
100	QPSK	270	0	19.60	19.59	19.47			
100	16QAM	1	1	19.63	19.60	19.47	20.5	0.0	
100	16QAM	1	1	19.58	19.60	19.49	20.5	0.0	
100	256QAM	1	1	19.26	19.36	19.31	20.5	0.0	
Channel				506200	518958	528998			
Frequency (MHz)				2504.1	2502.99	2504.98			
90	QPSK	1	1	19.55	19.63	19.47	20.5	0.0	
Channel				506202	518958	528998			
Frequency (MHz)				2506.12	2502.92	2504.99			
80	QPSK	1	1	19.54	19.65	19.38	20.5	0.0	
Channel				506202	518958	531000	Tune-up limit	MPR	
Frequency (MHz)				2506.12	2502.92	2507.00			
70	QPSK	1	1	19.59	19.60	19.42	20.5	0.0	
Channel				506200	518958	531996	Tune-up limit	MPR	
Frequency (MHz)				2506.12	2502.92	2509.98			
60	QPSK	1	1	19.50	19.63	19.50	20.5	0.0	
Channel				506204	518958	532998	Tune-up limit	MPR	
Frequency (MHz)				2504.02	2502.99	2504.99			
50	QPSK	1	1	19.57	19.66	19.45	20.5	0.0	
Channel				506202	518958	533998	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2502.99	2507.00			
40	QPSK	1	1	19.64	19.59	19.40	20.5	0.0	
Channel				502200	518958	534998	Tune-up limit	MPR	
Frequency (MHz)				2484.1	2502.92	2514.98			
30	QPSK	1	1	19.52	19.63	19.40	20.5	0.0	
Channel				501204	518958	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.12	2502.99	2509.99			
20	QPSK	1	1	19.53	19.62	19.39	20.5	0.0	
Channel				250700	518958	536998	Tune-up limit	MPR	
Frequency (MHz)				2600.9	2502.99	2502.48			
15	QPSK	1	1	19.62	19.65	19.47	20.5	0.0	
Channel				506202	518958	537000	Tune-up limit	MPR	
Frequency (MHz)				2507.01	2502.99	2508.00			
10	QPSK	1	1	19.53	19.65	19.41	20.5	0.0	

Part270 n77 Ant1									
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)				650000	650008	652000			
100	Pi/2 BPSK	1	1	19.12	19.22	19.17	21.0	0.0	
100	Pi/2 BPSK	1	137	19.98	20.03	19.96			
100	Pi/2 BPSK	1	271	19.05	19.11	19.05			
100	Pi/2 BPSK	135	0	19.94	19.97	19.90	21.0	0.0	
100	Pi/2 BPSK	135	69	19.94	20.04	19.98	21.0	0.0	
100	Pi/2 BPSK	135	138	19.80	19.86	19.82	21.0	0.0	
100	Pi/2 BPSK	270	0	19.81	19.95	19.88	21.0	0.0	
100	QPSK	1	1	19.34	19.37	19.19			
100	QPSK	1	137	20.08	20.26	20.01			
100	QPSK	1	271	19.91	19.02	19.97	21.0	0.0	
100	QPSK	135	0	19.86	20.00	19.87			
100	QPSK	135	69	20.17	20.21	19.95			
100	QPSK	135	138	19.87	19.96	19.81	21.0	0.0	
100	QPSK	270	0	19.91	20.07	19.84			
100	16QAM	1	1	19.01	19.08	19.94	21.0	0.0	
100	64QAM	1	1	18.86	19.01	19.94	21.0	0.0	
100	256QAM	1	1	18.10	18.14	17.99	19.5	1.5	
Channel									
Frequency (MHz)				646868	650000	662334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	20.03	20.24	19.97	21.0	0.0	
Channel									
Frequency (MHz)				637401	650000	663340	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.01	20.21	19.93	21.0	0.0	
Channel									
Frequency (MHz)				645000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.04	20.23	19.91	21.0	0.0	
Channel									
Frequency (MHz)				646868	650000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	19.05	20.17	19.85	21.0	0.0	
Channel									
Frequency (MHz)				643334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	19.26	19.37	19.24	21.0	0.0	
Channel									
Frequency (MHz)				645000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	19.96	20.16	19.90	21.0	0.0	
Channel									
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.96	20.14	19.91	21.0	0.0	
Channel									
Frequency (MHz)				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.01	20.15	19.94	21.0	0.0	
Channel									
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.97	20.18	19.95	21.0	0.0	
Channel									
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.94	20.19	19.88	21.0	0.0	

Part270 n77 Ant1 PC2									
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	Pi/2 BPSK	1	1	19.68	19.74	19.62	21.0	0.0	
100	Pi/2 BPSK	1	137	20.51	20.47	20.44			
100	Pi/2 BPSK	1	271	19.51	19.60	19.52			
100	Pi/2 BPSK	135	0	20.38	20.41	20.35	21.0	0.0	
100	Pi/2 BPSK	135	69	20.46	20.52	20.48	21.0	0.0	
100	Pi/2 BPSK	135	138	20.35	20.37	20.35	21.0	0.0	
100	Pi/2 BPSK	270	0	20.38	20.46	20.35	21.0	0.0	
100	QPSK	1	1	19.81	19.77	19.75			
100	QPSK	1	137	20.58	20.76	20.51			
100	QPSK	1	271	19.34	19.48	19.43	21.0	0.0	
100	QPSK	135	0	20.39	20.45	20.41			
100	QPSK	135	69	20.67	20.74	20.59			
100	QPSK	135	138	20.44	20.52	20.25	21.0	0.0	
100	QPSK	270	0	20.34	20.58	20.41			
100	16QAM	1	1	19.53	19.56	19.50	21.0	0.0	
100	64QAM	1	1	19.40	19.53	19.46	21.0	0.0	
100	256QAM	1	1	18.23	18.33	18.34	19.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.39	20.45	20.37	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.33	20.49	20.30	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.34	20.53	20.34	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.39	20.53	20.39	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.34	20.43	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.43	20.44	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.38	20.45	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.41	20.47	20.34	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.40	20.52	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.32	20.48	20.29	21.0	0.0	

Part27Q n77 Ant1

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				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		19.26				
100	Pi2 BPSK	1	137		20.28		21.0	0.0	
100	Pi2 BPSK	1	271		19.41				
100	Pi2 BPSK	135	0		20.12		21.0	0.0	
100	Pi2 BPSK	135	69		20.24		21.0	0.0	
100	Pi2 BPSK	135	136		20.19				
100	Pi2 BPSK	270	0		20.11		21.0	0.0	
100	QPSK	1	1		19.33				
100	QPSK	1	137		20.34		21.0	0.0	
100	QPSK	1	271		19.46				
100	QPSK	135	0		20.15		21.0	0.0	
100	QPSK	135	69		20.26		21.0	0.0	
100	QPSK	135	136		20.16				
100	QPSK	270	0		20.08		21.0	0.0	
100	16QAM	1	1		19.18		21.0	0.0	
100	4QAM	1	1		19.15		21.0	0.0	
100	256QAM	1	1		18.21		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.11	20.19	20.16	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.13	20.24	20.17	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3510.02			
70	QPSK	1	1		20.20	20.27	20.19	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3510.02			
60	QPSK	1	1		20.21	20.29	20.20	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.12	20.31	20.12	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.14	20.21	20.19	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.11	20.20	20.14	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.14	20.29	20.19	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.14	20.29	20.18	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.21	20.30	20.20	21.0	0.0

Part27Q n77 Ant1 PC2

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				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		19.71				
100	Pi2 BPSK	1	137		20.72		21.0	0.0	
100	Pi2 BPSK	1	271		19.90				
100	Pi2 BPSK	135	0		20.08		21.0	0.0	
100	Pi2 BPSK	135	69		20.79		21.0	0.0	
100	Pi2 BPSK	135	136		20.65				
100	Pi2 BPSK	270	0		20.62		21.0	0.0	
100	QPSK	1	1		19.86				
100	QPSK	1	137		20.88		21.0	0.0	
100	QPSK	1	271		19.98				
100	QPSK	135	0		20.59		21.0	0.0	
100	QPSK	135	69		20.62		21.0	0.0	
100	QPSK	135	136		20.84				
100	QPSK	270	0		20.58		21.0	0.0	
100	16QAM	1	1		19.84		21.0	0.0	
100	64QAM	1	1		19.80		21.0	0.0	
100	256QAM	1	1		18.73		19.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.65	20.63	20.60	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.63	20.76	20.64	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3484.01	3500.01	3515.01			
70	QPSK	1	1		20.56	20.63	20.68	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.62	20.68	20.72	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.65	20.70	20.67	21.0	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.57	20.63	20.61	21.0	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.55	20.72	20.64	21.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.58	20.62	20.67	21.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		20.60	20.75	20.69	21.0	0.0
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.59	20.65	20.64	21.0	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				650000					
Frequency (MHz)				3760					
100	Pi2 BPSK	1	1		19.37				
100	Pi2 BPSK	1	137		20.31		21.0	0.0	
100	Pi2 BPSK	1	271		19.29				
100	Pi2 BPSK	135	0		20.14		21.0	0.0	
100	Pi2 BPSK	135	69		20.31		21.0	0.0	
100	Pi2 BPSK	135	138		20.09				
100	Pi2 BPSK	270	0		20.03		21.0	0.0	
100	QPSK	1	1		19.42				
100	QPSK	1	137		20.37		21.0	0.0	
100	QPSK	1	271		19.33				
100	QPSK	135	0		20.19		21.0	0.0	
100	QPSK	135	69		20.33		21.0	0.0	
100	QPSK	135	138		20.14				
100	QPSK	270	0		20.06		21.0	0.0	
100	16QAM	1	1		19.21		21.0	0.0	
100	64QAM	1	1		19.15		21.0	0.0	
100	256QAM	1	1		18.27		19.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.29	20.32	20.21	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.25	20.30	20.24	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3760.01			
70	QPSK	1	1		20.20	20.33	20.16	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.02			
60	QPSK	1	1		20.26	20.28	20.17	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.25	20.28	20.21	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1		20.20	20.26	20.19	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		20.28	20.22	20.20	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3765.02			
20	QPSK	1	1		20.24	20.25	20.21	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.51			
15	QPSK	1	1		20.30	20.30	20.25	21.0	0.0
Channel				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3765			
10	QPSK	1	1		20.25	20.32	20.22	21.0	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				65000				
Frequency (MHz)				3750				
100	Pi2 BPSK	1	1		19.61			
100	Pi2 BPSK	1	137		20.49			0.0
100	Pi2 BPSK	1	271		19.55			
100	Pi2 BPSK	135	0		20.34		21.0	0.0
100	Pi2 BPSK	135	69		20.53		21.0	0.0
100	Pi2 BPSK	135	136		20.26			
100	Pi2 BPSK	270	0		20.18			0.0
100	QPSK	1	1		19.62			
100	QPSK	1	137		20.55		21.0	0.0
100	QPSK	1	271		19.48			
100	QPSK	135	0		20.42		21.0	0.0
100	QPSK	135	69		20.55		21.0	0.0
100	QPSK	135	136		20.27			
100	QPSK	270	0		20.20			
100	16QAM	1	1		19.36		21.0	0.0
100	64QAM	1	1		19.34		21.0	0.0
100	256QAM	1	1		18.43		19.5	1.5
Channel				64968	65000	65034	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		20.47	20.40	20.47	0.0
Channel				64934	65000	65066	Tune-up limit (dB)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		20.48	20.46	20.45	0.0
Channel				64900	65000	65100	Tune-up limit (dB)	MPR
Frequency (MHz)				3735.02	3750	3765		
70	QPSK	1	1		20.44	20.49	20.38	0.0
Channel				64868	65000	65134	Tune-up limit (dB)	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		20.49	20.45	20.44	0.0
Channel				64834	65000	65168	Tune-up limit (dB)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		20.51	20.51	20.43	0.0
Channel				64800	65000	65200	Tune-up limit (dB)	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		20.52	20.53	20.38	0.0
Channel				64768	65000	65234	Tune-up limit (dB)	MPR
Frequency (MHz)				3715.03	3750	3785.01		
30	QPSK	1	1		20.52	20.51	20.40	0.0
Channel				64734	65000	65268	Tune-up limit (dB)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		20.46	20.47	20.45	0.0
Channel				64700	65000	65300	Tune-up limit (dB)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		20.54	20.52	20.47	0.0
Channel				64668	65000	65334	Tune-up limit (dB)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		20.48	20.54	20.46	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				63334				
Frequency (MHz)				3600.01				
100	Pi2 BPSK	1	1		19.18			
100	Pi2 BPSK	1	137		20.06		21.0	0.0
100	Pi2 BPSK	1	271		19.48			
100	Pi2 BPSK	135	0		19.64		21.0	0.0
100	Pi2 BPSK	135	69		19.79		21.0	0.0
100	Pi2 BPSK	135	136		19.92			
100	Pi2 BPSK	270	0		19.74			0.0
100	QPSK	1	1		19.24			
100	QPSK	1	137		20.13		21.0	0.0
100	QPSK	1	271		19.92			
100	QPSK	135	0		19.89		21.0	0.0
100	QPSK	135	69		20.04		21.0	0.0
100	QPSK	135	136		19.97			
100	QPSK	270	0		19.95			
100	16QAM	1	1		18.83		21.0	0.0
100	64QAM	1	1		18.79		21.0	0.0
100	256QAM	1	1		18.25		19.5	1.5
Channel				63300	63334	63368	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		20.04	20.00	19.99	0.0
Channel				63268	63334	63400	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		19.99	20.01	19.92	0.0
Channel				63234	63334	63434	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		19.96	20.07	19.87	0.0
Channel				63200	63334	63468	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		20.04	20.01	19.93	0.0
Channel				63168	63334	63500	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		20.01	20.08	19.80	0.0
Channel				63134	63334	63534	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		20.00	20.03	19.86	0.0
Channel				63100	63334	63568	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		19.99	19.98	19.88	0.0
Channel				63068	63334	63600	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		19.97	20.09	19.94	0.0
Channel				63030	63334	63638	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		19.96	19.99	19.93	0.0
Channel				63004	63334	63674	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		19.97	20.04	19.89	0.0

Part27Q n78 Ant1 PC2

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				63334				
Frequency (MHz)				3600.01				
100	Pi2 BPSK	1	1		19.42			
100	Pi2 BPSK	1	137		20.38		21.0	0.0
100	Pi2 BPSK	1	271		19.82			
100	Pi2 BPSK	135	0		19.87		21.0	0.0
100	Pi2 BPSK	135	69		20.11		21.0	0.0
100	Pi2 BPSK	135	136		20.19			
100	Pi2 BPSK	270	0		20.04			0.0
100	QPSK	1	1		19.50			
100	QPSK	1	137		20.45		21.0	0.0
100	QPSK	1	271		19.87			
100	QPSK	135	0		19.87		21.0	0.0
100	QPSK	135	69		20.38		21.0	0.0
100	QPSK	135	136		20.20			
100	QPSK	270	0		20.21			
100	16QAM	1	1		19.15		21.0	0.0
100	64QAM	1	1		19.14		21.0	0.0
100	256QAM	1	1		18.50		19.5	1.5
Channel				63300	63334	63368	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		20.39	20.35	20.13	0.0
Channel				63268	63334	63400	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		20.38	20.31	20.15	0.0
Channel				63234	63334	63434	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		20.37	20.38	20.16	0.0
Channel				63200	63334	63468	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		20.30	20.33	20.20	0.0
Channel				63168	63334	63500	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		20.35	20.33	20.24	0.0
Channel				63134	63334	63534	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		20.39	20.36	20.16	0.0
Channel				63100	63334	63568	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		20.33	20.37	20.23	0.0
Channel				63068	63334	63600	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		20.32	20.37	20.26	0.0
Channel				63030	63334	63638	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		20.32	20.42	20.25	0.0
Channel				63004	63334	63674	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		20.29	20.39	20.17	0.0



n41 Ant2 PC3&PC2 ECI7									
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				505202	518598	526000			
Frequency (MHz)				2568.01	2562.99	2644.01			
100	Pl2 BPSK	1	1	17.05	17.04	17.01	17.5		
100	Pl2 BPSK	1	137	17.09	17.08	16.89			
100	Pl2 BPSK	1	271	17.03	17.03	16.99		0.0	
100	Pl2 BPSK	135	0	17.08	17.16	16.93	17.5	0.0	
100	Pl2 BPSK	135	69	16.97	17.13	16.93	17.5	0.0	
100	Pl2 BPSK	135	138	16.99	17.09	17.00	17.5		
100	Pl2 BPSK	270	0	16.99	17.04	16.93			
100	QPSK	1	1	17.02	17.06	16.93			
100	QPSK	1	137	17.01	17.17	16.91	17.5	0.0	
100	QPSK	1	271	16.96	17.04	16.96	17.5		
100	QPSK	135	0	17.08	17.09	16.96			
100	QPSK	135	69	17.06	17.12	16.91		0.0	
100	QPSK	135	138	17.03	17.06	16.92	17.5		
100	QPSK	270	0	17.03	17.10	16.95		0.0	
100	16QAM	1	1	17.07	17.15	17.00		0.0	
100	16QAM	1	1	16.99	17.12	16.92	17.5	0.0	
100	256QAM	1	1	17.01	17.02	17.00	17.5	0.0	
Channel				505200	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2562.99	2644.08	(dBm)	(dB)	
90	QPSK	1	1	16.96	16.95	16.71	17.5	0.0	
Channel				504704	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2562.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	16.89	17.03	16.78	17.5	0.0	
Channel				505202	518598	531990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526.02	2562.99	2659.99	(dBm)	(dB)	
70	QPSK	1	1	16.79	16.94	16.74	17.5	0.0	
Channel				505000	518598	531990	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.01	2562.99	2659.99	(dBm)	(dB)	
60	QPSK	1	1	16.87	17.01	16.73	17.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2562.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	16.80	17.07	16.79	17.5	0.0	
Channel				503202	518598	532000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2562.99	2670.00	(dBm)	(dB)	
40	QPSK	1	1	16.02	16.05	16.00	17.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511.01	2562.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	16.80	16.98	16.71	17.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2562.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.98	17.03	16.76	17.5	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.50	2562.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	16.82	16.98	16.78	17.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2562.99	2685.00	(dBm)	(dB)	
10	QPSK	1	1	16.76	17.05	16.69	17.5	0.0	

Part270 n77 Ant2 PC3&PC2 ECI7									
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				650000	650000	650000			
Frequency (MHz)				3700	3840	3960			
100	Pl2 BPSK	1	1	11.37	11.43	11.17	12.0		
100	Pl2 BPSK	1	137	11.33	11.32	11.13		0.0	
100	Pl2 BPSK	1	271	11.30	11.36	11.16			
100	Pl2 BPSK	135	0	11.29	11.38	11.13	12.0	0.0	
100	Pl2 BPSK	135	69	11.28	11.36	11.14	12.0	0.0	
100	Pl2 BPSK	135	138	11.27	11.33	11.17	12.0		
100	Pl2 BPSK	270	0	11.28	11.32	11.11			
100	QPSK	1	1	11.26	11.31	11.20			
100	QPSK	1	137	11.35	11.44	11.14	12.0	0.0	
100	QPSK	1	271	11.32	11.40	11.08	12.0		
100	QPSK	135	0	11.35	11.41	11.15			
100	QPSK	135	69	11.31	11.42	11.12		0.0	
100	QPSK	135	138	11.30	11.35	11.17	12.0		
100	QPSK	270	0	11.33	11.36	11.16		0.0	
100	16QAM	1	1	11.28	11.42	11.11		0.0	
100	64QAM	1	1	11.35	11.34	11.09	12.0	0.0	
100	256QAM	1	1	11.32	11.31	11.11	12.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3955.51	(dBm)	(dB)	
90	QPSK	1	1	11.22	11.23	10.93	12.0	0.0	
Channel				648334	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	11.16	11.29	11.00	12.0	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.00	3840	3940.01	(dBm)	(dB)	
70	QPSK	1	1	11.10	11.31	10.95	12.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3959.01	(dBm)	(dB)	
60	QPSK	1	1	11.13	11.21	11.00	12.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	11.15	11.23	10.92	12.0	0.0	
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730	3840	3940	(dBm)	(dB)	
40	QPSK	1	1	11.18	11.34	10.96	12.0	0.0	
Channel				647668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.01	3840	3970.02	(dBm)	(dB)	
30	QPSK	1	1	11.24	11.23	10.94	12.0	0.0	
Channel				647334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	11.15	11.24	11.00	12.0	0.0	
Channel				647168	650000	663634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	11.22	11.32	10.96	12.0	0.0	
Channel				647000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	11.17	11.23	10.99	12.0	0.0	

Part270Q n77 Ant2 PC3&PC2 ECI7									
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				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
100	Pl2 BPSK	1	1	10.70	10.63	10.48	12.0		
100	Pl2 BPSK	1	137	10.97				0.0	
100	Pl2 BPSK	1	271	10.94					
100	Pl2 BPSK	135	0	10.91			12.0	0.0	
100	Pl2 BPSK	135	69	10.89			12.0	0.0	
100	Pl2 BPSK	135	138	10.93			12.0		
100	Pl2 BPSK	270	0	10.99					
100	QPSK	1	1	10.94					
100	QPSK	1	137	11.02			12.0	0.0	
100	QPSK	1	271	10.89			12.0		
100	QPSK	135	0	10.92					
100	QPSK	135	69	11.01				0.0	
100	QPSK	135	138	10.92			12.0		
100	QPSK	270	0	10.99			12.0		
100	16QAM	1	1	10.92					
100	64QAM	1	1	10.98				0.0	
100	256QAM	1	1	11.00			12.0		
Channel				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
50	QPSK	1	1	10.70	10.63	10.48	12.0	0.0	
Channel				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	10.68	10.86	10.49	12.0	0.0	
Channel				632334	634334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.02	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	10.84	10.82	10.55	12.0	0.0	
Channel				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	10.71	10.79	10.51	12.0	0.0	
Channel				631668	633634	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3474.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	10.73	10.76	10.48	12.0	0.0	
Channel				631234	633234	633234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	10.73	10.78	10.52	12.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3466	3500.01	3536.02	(dBm)	(dB)	
30	QPSK	1	1	10.84	10.77	10.59	12.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	10.72	10.69	10.51	12.0	0.0	
Channel				630500	633334	635168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	10.68	10.85	10.54	12.0	0.0	
Channel				630334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3459.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	10.74	10.79	10.53	12.0	0.0	

Part27O n78 Ant2 PC3&PC2 ECI7								
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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		10.75			
100	PI2 BPSK	1	137		10.85		12.0	0.0
100	PI2 BPSK	1	271		10.85			
100	PI2 BPSK	135	0		10.85		12.0	0.0
100	PI2 BPSK	135	69		10.77		12.0	0.0
100	PI2 BPSK	135	138		10.74		12.0	0.0
100	PI2 BPSK	270	0		10.83			
100	QPSK	1	1		10.86			
100	QPSK	1	137		11.00		12.0	0.0
100	QPSK	1	271		10.74			
100	QPSK	135	0		10.92		12.0	0.0
100	QPSK	135	69		10.95		12.0	0.0
100	QPSK	135	138		10.81		12.0	0.0
100	QPSK	270	0		10.85		12.0	0.0
100	16QAM	1	1		10.85		12.0	0.0
100	64QAM	1	1		10.74			
100	256QAM	1	1		10.87		10.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	10.49	10.70	10.29	12.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	10.58	10.72	10.29	12.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	10.50	10.62	10.25	12.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	10.54	10.63	10.33	12.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	10.56	10.67	10.35	12.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.50	10.65	10.36	12.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	10.45	10.64	10.28	12.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	10.56	10.64	10.25	12.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	10.48	10.62	10.28	12.0	0.0
Channel				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	10.50	10.72	10.30	12.0	0.0

Part27Q n78 Ant2 PC3&PC2 ECI7									
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					633334		12.0	0.0	
Frequency (MHz)					3600.01				
100	PI2 BPSK	1	1		10.70		12.0	0.0	
100	PI2 BPSK	1	137		10.68				
100	PI2 BPSK	1	271		10.65		12.0	0.0	
100	PI2 BPSK	135	0		10.61				
100	PI2 BPSK	135	69		10.64		12.0	0.0	
100	PI2 BPSK	135	138		10.59				
100	PI2 BPSK	270	0		10.64		12.0	0.0	
100	QPSK	1	1		10.59				
100	QPSK	1	137		10.74		12.0	0.0	
100	QPSK	1	271		10.69				
100	QPSK	135	0		10.71		12.0	0.0	
100	QPSK	135	69		10.72				
100	QPSK	135	138		10.66		12.0	0.0	
100	QPSK	270	0		10.59				
100	16QAM	1	1		10.64		12.0	0.0	
100	64QAM	1	1		10.60				
100	256QAM	1	1		10.72		12.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		10.17	10.42	10.02	12.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		10.15	10.40	10.07	12.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		10.47	10.69	10.23	12.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		10.27	10.47	10.05	12.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		10.35	10.63	10.10	12.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		10.48	10.66	10.18	12.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		10.49	10.58	10.27	12.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3545			
20	QPSK	1	1		10.42	10.50	10.15	12.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		10.40	10.65	10.28	12.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		10.41	10.68	10.27	12.0	0.0



n2 Ant4 ECI7								
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				375000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	Pi2 BPSK	1	1	15.52	15.44	15.28		
30	Pi2 BPSK	1	80	15.37	15.42	15.14	16.5	0.0
30	Pi2 BPSK	1	158	15.25	15.45	15.22		
30	Pi2 BPSK	80	0	15.56	15.43	15.45	16.5	0.0
30	Pi2 BPSK	80	40	15.27	15.41	15.36	16.5	0.0
30	Pi2 BPSK	80	80	15.21	15.36	15.33	16.5	0.0
30	Pi2 BPSK	160	0	15.39	15.54	15.39		
30	QPSK	1	1	15.32	15.57	15.47		
30	QPSK	1	80	15.15	15.27	15.29	16.5	0.0
30	QPSK	1	158	15.46	15.48	15.34		
30	QPSK	80	0	15.33	15.46	15.31	16.5	0.0
30	QPSK	80	40	15.22	15.40	15.19	16.5	0.0
30	QPSK	80	80	15.35	15.51	15.32	16.5	0.0
30	QPSK	160	0	15.35	15.35	15.14	16.5	0.0
30	16QAM	1	1	15.35	15.35	15.27	16.5	0.0
30	64QAM	1	1	15.18	15.36	15.39	16.5	0.0
30	256QAM	1	1	15.34	15.41	15.24	16.5	0.0
Channel				372000	376000	379000		
Frequency (MHz)				1882.5	1880	1897.5		
25	QPSK	1	1	15.12	15.39	15.29	16.5	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1880	1880	1900		
20	QPSK	1	1	15.12	15.41	15.38	16.5	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1877.5	1900	1922.5		
15	QPSK	1	1	15.23	15.39	15.28	16.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	15.28	15.36	15.54	16.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	15.21	15.49	15.30	16.5	0.0

n5 Ant4 ECI7								
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					167500			
Frequency (MHz)					836.5			
25	Pi2 BPSK	1	1		21.59			
25	Pi2 BPSK	1	67		21.63		23.0	0.0
25	Pi2 BPSK	1	131		21.47			
25	Pi2 BPSK	64	0		21.25		23.0	0.0
25	Pi2 BPSK	64	35		21.76		23.0	0.0
25	Pi2 BPSK	64	69		21.26		23.0	0.0
25	Pi2 BPSK	128	0		21.40			
25	QPSK	1	1		21.97			
25	QPSK	1	67		21.68		23.0	0.0
25	QPSK	1	131		21.55			
25	QPSK	64	0		21.25		23.0	0.0
25	QPSK	64	35		21.92		23.0	0.0
25	QPSK	64	69		21.73		23.0	0.0
25	QPSK	128	0		21.75			
25	16QAM	1	1		21.28		23.0	0.0
25	64QAM	1	1		19.95		21.5	1.5
25	256QAM	1	1		18.92		19.5	3.5
Channel				169000	167500	167500		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	21.78	21.77	21.63	23.0	0.0
Channel				169300	167300	169300		
Frequency (MHz)				841.5	846.5	841.5		
15	QPSK	1	1	21.81	21.71	21.67	23.0	0.0
Channel				169600	167300	169600		
Frequency (MHz)				849	841.5	844		
10	QPSK	1	1	21.98	21.73	21.73	23.0	0.0
Channel				169300	167300	169300		
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	21.68	21.83	21.73	23.0	0.0

n12 Ant4								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	Pi2 BPSK	1	1	22.53	22.92	22.84		
15	Pi2 BPSK	1	40	22.78	22.86	22.75	24.0	0.0
15	Pi2 BPSK	1	77	22.76	22.80	22.68		
15	Pi2 BPSK	36	0	22.62	22.68	22.58	23.5	0.5
15	Pi2 BPSK	36	22	22.78	22.99	22.77	24.0	0.0
15	Pi2 BPSK	36	43	22.47	22.82	22.55	23.5	0.5
15	Pi2 BPSK	75	0	22.60	22.66	22.58		
15	QPSK	1	1	22.90	22.97	22.86		
15	QPSK	1	40	22.67	22.93	22.80	24.0	0.0
15	QPSK	1	77	22.73	22.84	22.71		
15	QPSK	36	0	22.15	22.19	22.12	23.0	1.0
15	QPSK	36	22	22.83	22.92	22.87	24.0	0.0
15	QPSK	36	43	22.10	22.14	22.00	23.0	1.0
15	QPSK	75	0	22.10	22.15	22.14		
15	16QAM	1	1	21.72	21.82	21.76	23.0	1.0
15	64QAM	1	1	20.20	20.31	20.20	21.5	2.5
15	256QAM	1	1	18.78	18.93	18.80	19.5	4.5
Channel				140300	141500	142200		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.78	22.93	22.80	24.0	0.0
Channel				140300	141500	142700		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	22.88	22.75	24.0	0.0



n14 Ant4 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	21.63	793		23.0	0.0
10	P12 BPSK	1	26	21.58				
10	P12 BPSK	1	50	21.57				
10	P12 BPSK	25	0	21.61			23.0	0.0
10	P12 BPSK	25	14	21.58			23.0	0.0
10	P12 BPSK	25	27	21.57			23.0	0.0
10	P12 BPSK	50	0	21.55			23.0	0.0
10	QPSK	1	1	21.69				
10	QPSK	1	26	21.67				
10	QPSK	1	50	21.56			23.0	0.0
10	QPSK	25	0	21.58			23.0	0.0
10	QPSK	25	14	21.67			23.0	0.0
10	QPSK	25	27	21.61			23.0	0.0
10	QPSK	50	0	21.60			23.0	0.0
10	16QAM	1	1	21.44			23.0	0.0
10	64QAM	1	1	19.87			21.5	1.5
10	256QAM	1	1	18.45			19.5	2.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.62	21.56	21.58	23.0	0.0

n25 Ant4 ECI7								
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)								
45	P12 BPSK	1	1	15.55	15.45	15.42	16.5	0.0
45	P12 BPSK	1	61	15.47	15.55	15.26		
45	P12 BPSK	1	121	15.37	15.49	15.31		
45	P12 BPSK	121	0	15.58	15.57	15.49	16.5	0.0
45	P12 BPSK	121	61	15.31	15.49	15.39	16.5	0.0
45	P12 BPSK	121	121	15.34	15.37	15.39	16.5	0.0
45	P12 BPSK	242	0	15.50	15.57	15.45	16.5	0.0
45	QPSK	1	1	15.38	15.62	15.35		
45	QPSK	1	61	15.27	15.49	15.38		
45	QPSK	1	121	15.47	15.45	15.48	16.5	0.0
45	QPSK	121	0	15.38	15.57	15.35	16.5	0.0
45	QPSK	121	61	15.34	15.58	15.26	16.5	0.0
45	QPSK	121	121	15.45	15.46	15.56	16.5	0.0
45	QPSK	242	0	15.40	15.47	15.23	16.5	0.0
45	16QAM	1	1	15.38	15.49	15.32	16.5	0.0
45	64QAM	1	1	15.32	15.44	15.48	16.5	0.0
45	256QAM	1	1	13.42	19.41	13.37	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.27	15.47	15.29	0.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	15.39	15.50	15.30	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.25	15.43	15.34	16.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.23	15.54	15.33	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.30	15.57	15.32	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.30	15.52	15.34	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.36	15.55	15.34	16.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	15.32	15.50	15.28	16.5	0.0

n26 Ant4 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	20.34	20.35	20.34	22.0	0.0
20	P12 BPSK	1	53	20.41	20.33	20.27		
20	P12 BPSK	1	104	20.31	20.44	20.34		
20	P12 BPSK	50	0	20.29	20.39	20.35	22.0	0.0
20	P12 BPSK	50	25	20.38	20.42	20.34	22.0	0.0
20	P12 BPSK	50	56	20.29	20.35	20.32	22.0	0.0
20	P12 BPSK	100	0	20.40	20.37	20.27	22.0	0.0
20	QPSK	1	1	20.32	20.45	20.36		
20	QPSK	1	53	20.25	20.43	20.34		
20	QPSK	1	104	20.31	20.41	20.25	22.0	0.0
20	QPSK	50	0	20.31	20.39	20.25	22.0	0.0
20	QPSK	50	25	20.35	20.40	20.28	22.0	0.0
20	QPSK	50	56	20.30	20.30	20.34	22.0	0.0
20	QPSK	100	0	20.35	20.35	20.23	22.0	0.0
20	16QAM	1	1	20.32	20.37	20.32		
20	64QAM	1	1	19.97	20.04	19.94		
20	256QAM	1	1	18.51	18.62	18.59	19.5	2.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.36	20.43	20.29	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.29	20.39	20.30	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.42	20.37	20.32	22.0	0.0



n66 Ant4 ECI7									
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				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PQ2 BPSK	1	1	15.84	15.81	15.78		17.0	0.0
45	PQ2 BPSK	1	61	15.75	15.88	15.78			
45	PQ2 BPSK	1	121	15.84	15.75	15.69			
45	PQ2 BPSK	121	0	15.85	15.78	15.70	17.0	0.0	
45	PQ2 BPSK	121	61	15.78	15.82	15.76	17.0	0.0	
45	PQ2 BPSK	121	121	15.71	15.85	15.74	17.0	0.0	
45	PQ2 BPSK	242	0	15.85	15.79	15.73		17.0	0.0
45	QPSK	1	1	15.72	15.89	15.69			
45	QPSK	1	61	15.72	15.83	15.74	17.0		
45	QPSK	1	121	15.85	15.83	15.68			
45	QPSK	121	0	15.85	15.83	15.77	17.0	0.0	
45	QPSK	121	61	15.79	15.88	15.75	17.0	0.0	
45	QPSK	121	121	15.73	15.81	15.75	17.0	0.0	
45	QPSK	242	0	15.81	15.84	15.73		17.0	0.0
45	16QAM	1	1	15.80	15.79	15.69	17.0		
45	64QAM	1	1	15.72	15.87	15.66	17.0		
45	256QAM	1	1	15.72	15.75	15.76	17.0	0.0	
Channel				347000	349500	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.81	15.78	15.80	17.0	0.0	
Channel				349500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	15.81	15.78	15.80	17.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1721	1745	1765			
30	QPSK	1	1	15.83	15.77	15.76	17.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.81	15.80	15.75	17.0	0.0	
Channel				349000	349000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.76	15.88	15.76	17.0	0.0	
Channel				345500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.78	15.88	15.65	17.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.81	15.75	15.75	17.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.85	15.84	15.78	17.0	0.0	

n70 Ant4 ECI7									
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	345000	345000			
Frequency (MHz)				1702.5					
15	PQ2 BPSK	1	1	16.39				17.5	0.0
15	PQ2 BPSK	1	40	16.36					
15	PQ2 BPSK	1	77	16.43					
15	PQ2 BPSK	36	0	16.34			17.5	0.0	
15	PQ2 BPSK	36	22	16.32			17.5	0.0	
15	PQ2 BPSK	36	43	16.33			17.5	0.0	
15	PQ2 BPSK	75	0	16.36				17.5	0.0
15	QPSK	1	1	16.44					
15	QPSK	1	40	16.31			17.5		
15	QPSK	1	77	16.38					
15	QPSK	36	0	16.31			17.5	0.0	
15	QPSK	36	22	16.41			17.5	0.0	
15	QPSK	36	43	16.40			17.5	0.0	
15	QPSK	75	0	16.31			17.5	0.0	
15	16QAM	1	1	16.37			17.5	0.0	
15	64QAM	1	1	16.39			17.5	0.0	
15	256QAM	1	1	16.32			17.5	0.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	16.32	16.41	16.36	17.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	16.38	16.39	16.30	17.5	0.0	

n71 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PQ2 BPSK	1	1	23.10	23.19	23.07		24.0	0.0
20	PQ2 BPSK	1	53	22.93	23.01	22.88			
20	PQ2 BPSK	1	104	22.74	22.87	22.78			
20	PQ2 BPSK	50	0	22.54	22.68	22.60	23.5	0.5	
20	PQ2 BPSK	50	25	23.12	23.16	23.13	24.0	0.0	
20	PQ2 BPSK	50	56	22.59	22.62	22.58	23.5	0.5	
20	PQ2 BPSK	100	0	22.55	22.66	22.61		24.0	0.0
20	QPSK	1	1	23.23	23.26	23.18			
20	QPSK	1	53	23.09	23.08	22.92	24.0		
20	QPSK	1	104	22.75	22.83	22.84			
20	QPSK	50	0	22.03	22.15	22.05	23.0	1.0	
20	QPSK	50	25	23.19	23.22	23.15	24.0	0.0	
20	QPSK	50	56	21.91	22.05	22.01	23.0	1.0	
20	QPSK	100	0	22.05	22.11	22.02		23.0	1.0
20	16QAM	1	1	21.70	21.77	21.67	23.0		
20	64QAM	1	1	20.16	20.23	20.11	21.5		
20	256QAM	1	1	19.75	19.83	19.70	19.5	4.5	
Channel				134100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	680.5			
15	QPSK	1	1	23.09	23.13	23.11	24.0	0.0	
Channel				133900	136100	136600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	688			
10	QPSK	1	1	23.08	23.21	23.06	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				660.5	680.5	680.5			
5	QPSK	1	1	23.10	23.15	23.14	24.0	0.0	

n41 Ant4 PC3&2 ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	11.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	10.20	10.79	10.55			
100	PI/2 BPSK	1	137	10.25	10.72	10.56			
100	PI/2 BPSK	1	271	10.23	10.82	10.67	11.5	0.0	
100	PI/2 BPSK	135	0	10.22	10.80	10.67			
100	PI/2 BPSK	135	69	10.28	10.84	10.61			
100	PI/2 BPSK	135	138	10.32	10.79	10.61			
100	PI/2 BPSK	270	0	10.32	10.85	10.84	11.5	0.0	
100	QPSK	1	1	10.27	10.78	10.58			
100	QPSK	1	137	10.30	10.87	10.55			
100	QPSK	1	271	10.26	10.74	10.64			
100	QPSK	135	0	10.22	10.86	10.58	11.5	0.0	
100	QPSK	135	69	10.28	10.75	10.61	11.5	0.0	
100	QPSK	135	138	10.23	10.84	10.61	11.5	0.0	
100	QPSK	270	0	10.20	10.73	10.59			
100	16QAM	1	1	10.25	10.79	10.57	11.5	0.0	
100	64QAM	1	1	10.21	10.75	10.65	11.5	0.0	
100	256QAM	1	1	10.22	10.73	10.64	11.5	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	10.29	10.80	10.56	11.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2535.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	10.24	10.80	10.68	11.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	10.25	10.83	10.58	11.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	10.22	10.76	10.65	11.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	10.30	10.75	10.68	11.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	10.27	10.77	10.64	11.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	10.32	10.80	10.62	11.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	10.31	10.77	10.57	11.5	0.0	
Channel				500200	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	10.30	10.79	10.57	11.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	10.23	10.79	10.57	11.5	0.0	



n48 Ant5 Part96 EC17									
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				636000	641666	646332	13.0	0.0	
Frequency (MHz)				3570	3624.99	3679.98			
40	P12 BPSK	1	1	11.44	11.52	11.44			
40	P12 BPSK	1	53	11.43	11.60	11.43	13.0	0.0	
40	P12 BPSK	1	104	11.43	11.54	11.39			
40	P12 BPSK	50	0	11.36	11.62	11.39			
40	P12 BPSK	50	28	11.31	11.52	11.41	13.0	0.0	
40	P12 BPSK	50	56	11.31	11.53	11.45	13.0	0.0	
40	P12 BPSK	100	0	11.36	11.60	11.44	13.0	0.0	
40	QPSK	1	1	11.32	11.55	11.42			
40	QPSK	1	53	11.30	11.65	11.38			
40	QPSK	1	104	11.35	11.51	11.33	13.0	0.0	
40	QPSK	50	0	11.44	11.55	11.39			
40	QPSK	50	28	11.32	11.63	11.37			
40	QPSK	50	56	11.42	11.54	11.44	13.0	0.0	
40	QPSK	100	0	11.31	11.60	11.40	13.0	0.0	
40	16QAM	1	1	11.35	11.64	11.38			
40	16QAM	1	1	11.37	11.56	11.39			
40	256QAM	1	1	11.35	11.55	11.34	13.0	0.0	
Channel				637234	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	11.40	11.61	11.32		13.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.40			
15	QPSK	1	1	11.39	11.61	11.39		13.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3694.98			
10	QPSK	1	1	11.34	11.63	11.42		13.0	

5.15

Part270 n77 Ant5 PC3&PC2 EC17									
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				650000	650000	650000	15.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	14.00	14.00	13.90			
100	P12 BPSK	1	137	14.04	14.00	13.93	15.0	0.0	
100	P12 BPSK	1	271	14.07	14.00	14.01			
100	P12 BPSK	135	0	14.07	14.12	14.00			
100	P12 BPSK	135	69	13.95	14.02	13.98	15.0	0.0	
100	P12 BPSK	135	138	13.95	14.04	13.95	15.0	0.0	
100	P12 BPSK	270	0	14.05	14.07	13.97	15.0	0.0	
100	QPSK	1	1	13.96	14.03	13.96			
100	QPSK	1	137	13.95	14.13	13.89			
100	QPSK	1	271	14.07	14.05	13.92	15.0	0.0	
100	QPSK	135	0	13.95	14.01	13.99			
100	QPSK	135	69	13.96	14.05	13.93			
100	QPSK	135	138	13.97	14.04	13.97	15.0	0.0	
100	QPSK	270	0	13.96	14.01	14.02	15.0	0.0	
100	16QAM	1	1	14.08	14.02	13.99			
100	16QAM	1	1	13.94	14.09	13.95			
100	256QAM	1	1	14.01	14.04	13.92	15.0	0.0	
Channel				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.04	14.04	13.99		15.0	
Channel				646334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	13.98	14.08	13.92		15.0	
Channel				646000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.00	14.07	13.99		15.0	
Channel				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.04	14.08	14.01		15.0	
Channel				646334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.94	14.04	14.01		15.0	
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.06	14.07	13.99		15.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3973.01			
30	QPSK	1	1	14.03	14.11	14.01		15.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.02	14.11	14.00		15.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	13.98	14.02	14.01		15.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.06	14.01	13.90		15.0	

Part270Q n77 Ant5 PC3&PC2 EC17									
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				633000	633334	633334	15.0	0.0	
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1			14.06			
100	P12 BPSK	1	137			13.99	15.0	0.0	
100	P12 BPSK	1	271			14.05			
100	P12 BPSK	135	0			13.98			
100	P12 BPSK	135	69			13.98	15.0	0.0	
100	P12 BPSK	135	138			14.05	15.0	0.0	
100	P12 BPSK	270	0			14.04	15.0	0.0	
100	QPSK	1	1			13.98			
100	QPSK	1	137			14.07			
100	QPSK	1	271			13.99	15.0	0.0	
100	QPSK	135	0			13.98			
100	QPSK	135	69			14.04			
100	QPSK	135	138			14.03	15.0	0.0	
100	QPSK	270	0			14.02	15.0	0.0	
100	16QAM	1	1			14.05			
100	16QAM	1	1			14.06			
100	256QAM	1	1			14.03	15.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.03	13.97	13.88		15.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	13.97	14.00	13.95		15.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	13.99	14.05	13.98		15.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.04	14.01	13.89		15.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.96	14.03	13.89		15.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	15.0	0.0	
40	QPSK	1	1	13.95	14.03	13.94	15.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.96	13.95	13.95		15.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.00	14.02	13.89		15.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	13.97	13.95	13.97		15.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	13.93	13.94	13.87		15.0	

Part27O n78 Ant5 PC3&PC2 EC17

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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PV2 BPSK	1	1		14.05			
100	PV2 BPSK	1	137		14.02		15.0	0.0
100	PV2 BPSK	1	271		14.11			
100	PV2 BPSK	135	0		14.15		15.0	0.0
100	PV2 BPSK	135	69		14.09		15.0	0.0
100	PV2 BPSK	135	138		14.04		15.0	0.0
100	PV2 BPSK	270	0		14.08			
100	QPSK	1	1		14.14			
100	QPSK	1	137		14.16		15.0	0.0
100	QPSK	1	271		14.13			
100	QPSK	135	0		14.05		15.0	0.0
100	QPSK	135	69		14.13		15.0	0.0
100	QPSK	135	138		14.12		15.0	0.0
100	QPSK	270	0		14.05			
100	16QAM	1	1		14.02		15.0	0.0
100	64QAM	1	1		14.09		15.0	0.0
100	256QAM	1	1		14.02		15.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.96	14.13	14.05	15.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.00	14.07	14.00	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.97	14.14	14.03	15.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.07	14.12	13.96	15.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.03	14.09	14.00	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.96	14.08	14.00	15.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	14.02	14.03	14.02	15.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.05	14.07	14.00	15.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3792.01		
15	QPSK	1	1	14.04	14.13	13.99	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	14.00	14.10	13.94	15.0	0.0

Part27Q n78 Ant5 PC3&PC2 EC17

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				630000	633334	636668		
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1		14.03			
100	PV2 BPSK	1	137		14.04		15.0	0.0
100	PV2 BPSK	1	271		14.02			
100	PV2 BPSK	135	0		14.00		15.0	0.0
100	PV2 BPSK	135	69		14.04		15.0	0.0
100	PV2 BPSK	135	138		14.09		15.0	0.0
100	PV2 BPSK	270	0		14.09			
100	QPSK	1	1		14.15			
100	QPSK	1	137		14.12		15.0	0.0
100	QPSK	1	271		14.14			
100	QPSK	135	0		14.01		15.0	0.0
100	QPSK	135	69		14.12		15.0	0.0
100	QPSK	135	138		14.03		15.0	0.0
100	QPSK	270	0		14.04			
100	16QAM	1	1		14.01		15.0	0.0
100	64QAM	1	1		14.03		15.0	0.0
100	256QAM	1	1		14.07		15.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.03	14.07	13.98	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	14.04	14.12	13.94	15.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.05	14.07	13.99	15.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.09	14.06	13.97	15.0	0.0
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.02	14.10	13.91	15.0	0.0
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.09	14.07	13.93	15.0	0.0
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.02	14.04	14.02	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.08	14.07	13.95	15.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
15	QPSK	1	1	13.97	14.05	14.00	15.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.08	14.01	13.90	15.0	0.0

n41 Ant7 PC3&PC2 ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	18.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	17.17	17.36	17.17			
100	PI2 BPSK	1	137	17.22	17.39	17.18			
100	PI2 BPSK	1	271	17.19	17.40	17.10	18.0	0.0	
100	PI2 BPSK	135	0	17.20	17.38	17.11			
100	PI2 BPSK	135	69	17.22	17.28	17.20			
100	PI2 BPSK	135	138	17.26	17.42	17.16			
100	PI2 BPSK	270	0	17.17	17.36	17.12	18.0	0.0	
100	QPSK	1	1	17.19	17.34	17.17			
100	QPSK	1	137	17.17	17.43	17.11			
100	QPSK	1	271	17.16	17.40	17.21			
100	QPSK	135	0	17.28	17.34	17.15	18.0	0.0	
100	QPSK	135	69	17.23	17.40	17.11			
100	QPSK	135	138	17.25	17.38	17.10			
100	QPSK	270	0	17.27	17.33	17.22			
100	16QAM	1	1	17.22	17.29	17.09	18.0	0.0	
100	64QAM	1	1	17.28	17.29	17.12			
100	256QAM	1	1	17.27	17.41	17.21			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0	
90	QPSK	1	1	17.01	17.21	16.87			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	0.0	
80	QPSK	1	1	17.02	17.19	16.87			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	18.0	0.0	
70	QPSK	1	1	17.02	17.21	16.94			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	18.0	0.0	
60	QPSK	1	1	16.93	17.22	16.91			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0	
50	QPSK	1	1	16.96	17.23	16.88			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	18.0	0.0	
40	QPSK	1	1	16.98	17.22	16.90			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	18.0	0.0	
30	QPSK	1	1	16.98	17.27	16.88			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0	
20	QPSK	1	1	16.97	17.25	16.89			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	18.0	0.0	
15	QPSK	1	1	16.93	17.27	16.94			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	18.0	0.0	
10	QPSK	1	1	17.00	17.19	16.88			



Part270 n77 Ant8 PC3&PC2 EC17									
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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	14.33	14.40	14.31	15.5	0.0	
100	P12 BPSK	1	137	14.28	14.28	14.30			
100	P12 BPSK	1	271	14.36	14.32	14.19			
100	P12 BPSK	135	0	14.32	14.37	14.22	15.5	0.0	
100	P12 BPSK	135	69	14.27	14.34	14.32	15.5	0.0	
100	P12 BPSK	135	138	14.36	14.31	14.28	15.5	0.0	
100	P12 BPSK	270	0	14.26	14.40	14.21	15.5	0.0	
100	QPSK	1	1	14.26	14.33	14.22			
100	QPSK	1	137	14.32	14.41	14.28			
100	QPSK	1	271	14.31	14.33	14.32	15.5	0.0	
100	QPSK	135	0	14.23	14.35	14.21			
100	QPSK	135	69	14.26	14.37	14.19			
100	QPSK	135	138	14.34	14.33	14.28	15.5	0.0	
100	QPSK	270	0	14.33	14.35	14.20	15.5	0.0	
100	16QAM	1	1	14.34	14.32	14.20			
100	64QAM	1	1	14.35	14.30	14.20			
100	256QAM	1	1	14.35	14.31	14.30	15.5	0.0	
Channel				648958	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.16	14.22	14.04	15.5	0.0	
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.16	14.21	14.04	15.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.09	14.25	14.12	15.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.07	14.18	14.07	15.5	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.08	14.16	14.03	15.5	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.11	14.16	14.07	15.5	0.0	
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.10	14.17	14.09	15.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.14	14.26	14.03	15.5	0.0	
Channel				647168	650000	650484	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.52	3840	3972.51			
15	QPSK	1	1	14.12	14.24	14.11	15.5	0.0	
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.14	14.22	14.10	15.5	0.0	

Part27Q n77 Ant8 PC3&PC2 EC17									
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				633334					
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		14.34		15.5	0.0	
100	P12 BPSK	1	137		14.35				
100	P12 BPSK	1	271		14.36				
100	P12 BPSK	135	0		14.39		15.5	0.0	
100	P12 BPSK	135	69		14.32		15.5	0.0	
100	P12 BPSK	135	138		14.40		15.5	0.0	
100	P12 BPSK	270	0		14.41		15.5	0.0	
100	QPSK	1	1		14.33				
100	QPSK	1	137		14.45				
100	QPSK	1	271		14.40		15.5	0.0	
100	QPSK	135	0		14.30				
100	QPSK	135	69		14.40				
100	QPSK	135	138		14.39		15.5	0.0	
100	QPSK	270	0		14.38		15.5	0.0	
100	16QAM	1	1		14.40				
100	64QAM	1	1		14.34				
100	256QAM	1	1		14.40		15.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.12	14.22	14.09	15.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.15	14.25	14.10	15.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.16	14.22	14.08	15.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.14	14.26	14.08	15.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.16	14.25	14.03	15.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.10	14.17	14.11	15.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.15	14.19	14.09	15.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.08	14.24	14.12	15.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.5			
15	QPSK	1	1	14.12	14.21	14.12	15.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	14.11	14.22	14.05	15.5	0.0	

Part270 n78 Ant8 PC3&PC2 EC17									
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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		14.43		15.5	0.0	
100	P12 BPSK	1	137		14.41				
100	P12 BPSK	1	271		14.40				
100	P12 BPSK	135	0		14.43		15.5	0.0	
100	P12 BPSK	135	69		14.40		15.5	0.0	
100	P12 BPSK	135	138		14.40		15.5	0.0	
100	P12 BPSK	270	0		14.42		15.5	0.0	
100	QPSK	1	1		14.38				
100	QPSK	1	137		14.48				
100	QPSK	1	271		14.40		15.5	0.0	
100	QPSK	135	0		14.35				
100	QPSK	135	69		14.47				
100	QPSK	135	138		14.46		15.5	0.0	
100	QPSK	270	0		14.43		15.5	0.0	
100	16QAM	1	1		14.43				
100	64QAM	1	1		14.39				
100	256QAM	1	1		14.38		15.5	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1	14.12	14.20	14.11	15.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1	14.13	14.12	14.16	15.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	14.19	14.14	14.14	15.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1	14.17	14.10	14.10	15.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1	14.13	14.17	14.11	15.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	14.19	14.15	14.16	15.5	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)		
30	QPSK	1	1	14.13	14.20	14.09	15.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1	14.12	14.18	14.12	15.5	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1	14.13	14.16	14.15	15.5	0.0	
Channel				646600	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	14.15	14.16	14.11	15.5	0.0	

Part27Q n78 Ant8 PC3&PC2 ECI7								
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				633334			15.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.37		15.5	0.0
100	PI2 BPSK	1	137		14.35			
100	PI2 BPSK	1	271		14.31		15.5	0.0
100	PI2 BPSK	135	0		14.44			
100	PI2 BPSK	135	69		14.39		15.5	0.0
100	PI2 BPSK	135	138		14.39		15.5	0.0
100	PI2 BPSK	270	0		14.34			
100	QPSK	1	1		14.33		15.5	0.0
100	QPSK	1	137		14.46			
100	QPSK	1	271		14.43		15.5	0.0
100	QPSK	135	0		14.37			
100	QPSK	135	69		14.44		15.5	0.0
100	QPSK	135	138		14.43		15.5	0.0
100	QPSK	270	0		14.35			
100	16QAM	1	1		14.36		15.5	0.0
100	64QAM	1	1		14.45		15.5	0.0
100	256QAM	1	1		14.32		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.17	14.17	14.08	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.17	14.18	14.13	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.14	14.16	14.11	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.01		
60	QPSK	1	1	14.18	14.19	14.13	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.11	14.20	14.16	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.14	14.18	14.13	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3531.02		
30	QPSK	1	1	14.12	14.12	14.14	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.11	14.19	14.14	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.83		
15	QPSK	1	1	14.11	14.18	14.12	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.11	14.20	14.10	15.5	0.0



Part270 n77 Ant5 PC2&PC3									
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				650000	650000	650000	15.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	13.09	13.13	13.04	15.0	0.0	
100	PI2 BPSK	1	137	13.95	14.01	13.86			
100	PI2 BPSK	1	271	12.99	13.01	12.98	15.0	0.0	
100	PI2 BPSK	135	0	13.86	13.92	13.90			
100	PI2 BPSK	135	69	13.72	13.87	13.75	15.0	0.0	
100	PI2 BPSK	135	138	13.75	13.81	13.72			
100	PI2 BPSK	270	0	13.86	13.82	13.75	15.0	0.0	
100	QPSK	1	1	13.04	13.18	13.04			
100	QPSK	1	137	13.93	14.14	13.97	15.0	0.0	
100	QPSK	1	271	12.98	13.02	12.90			
100	QPSK	135	0	13.83	13.87	13.76	15.0	0.0	
100	QPSK	135	69	13.94	13.94	13.81			
100	QPSK	135	138	13.65	13.76	13.75	15.0	0.0	
100	QPSK	270	0	13.75	13.86	13.82			
100	16QAM	1	1	13.10	13.20	13.09	15.0	0.0	
100	64QAM	1	1	13.00	13.13	13.12			
100	256QAM	1	1	13.14	13.17	13.10	15.0	0.0	
Channel				646666	650000	662334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)		
90	QPSK	1	1	13.79	13.93	13.85	15.0	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3742.01	3840	3943.02	Tune-up limit (dBm)		
80	QPSK	1	1	13.77	13.88	13.82	15.0	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)		
70	QPSK	1	1	13.74	13.93	13.87	15.0	0.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)		
60	QPSK	1	1	13.82	13.90	13.81	15.0	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)		
50	QPSK	1	1	13.73	13.88	13.80	15.0	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)		
40	QPSK	1	1	13.80	13.94	13.79	15.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)		
30	QPSK	1	1	13.74	13.91	13.80	15.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)		
20	QPSK	1	1	13.81	13.92	13.87	15.0	0.0	
Channel				647000	650000	664934			
Frequency (MHz)				3707.53	3840	3972.51	Tune-up limit (dBm)		
15	QPSK	1	1	13.75	13.86	13.82	15.0	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)		
10	QPSK	1	1	13.77	13.91	13.85	15.0	0.0	

ECI2 ENDC Power									
Part27Q n77 Ant5 PC2&PC3									
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				633334		3500.01	15.0	0.0	
Frequency (MHz)				13.13					
100	PI2 BPSK	1	1	13.95			15.0	0.0	
100	PI2 BPSK	1	137	13.03					
100	PI2 BPSK	1	271	13.85			15.0	0.0	
100	PI2 BPSK	135	0	13.92					
100	PI2 BPSK	135	69	13.82			15.0	0.0	
100	PI2 BPSK	135	138	13.76					
100	PI2 BPSK	270	0	13.78			15.0	0.0	
100	QPSK	1	1	13.16					
100	QPSK	1	137	14.04			15.0	0.0	
100	QPSK	1	271	12.99					
100	QPSK	135	0	13.89			15.0	0.0	
100	QPSK	135	69	13.91					
100	QPSK	135	138	13.80			15.0	0.0	
100	QPSK	270	0	13.90					
100	16QAM	1	1	13.13			15.0	0.0	
100	64QAM	1	1	13.06					
100	256QAM	1	1	13.18			15.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	13.83	13.83	13.85	15.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3492.02	3500.01	3510	Tune-up limit (dBm)		
80	QPSK	1	1	13.82	13.72	13.75	15.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)		
70	QPSK	1	1	13.84	13.75	13.81	15.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480.02	3500.01	3530.02	Tune-up limit (dBm)		
60	QPSK	1	1	13.72	13.81	13.84	15.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3535	Tune-up limit (dBm)		
50	QPSK	1	1	13.80	13.82	13.74	15.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)		
40	QPSK	1	1	13.72	13.81	13.85	15.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)		
30	QPSK	1	1	13.88	13.82	13.70	15.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)		
20	QPSK	1	1	13.72	13.75	13.75	15.0	0.0	
Channel				630300	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)		
15	QPSK	1	1	13.69	13.78	13.72	15.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)		
10	QPSK	1	1	13.71	13.75	13.63	15.0	0.0	

Part270 n78 Ant5 PC2&PC3									
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				650000	650000	650000	15.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		13.06		15.0	0.0	
100	PI2 BPSK	1	137		13.81				
100	PI2 BPSK	1	271		12.90		15.0	0.0	
100	PI2 BPSK	135	0		13.71				
100	PI2 BPSK	135	69		13.81		15.0	0.0	
100	PI2 BPSK	135	138		13.89				
100	PI2 BPSK	270	0		13.84		15.0	0.0	
100	QPSK	1	1		13.11		15.0	0.0	
100	QPSK	1	137		13.81				
100	QPSK	1	271		12.92		15.0	0.0	
100	QPSK	135	0		13.78				
100	QPSK	135	69		13.78		15.0	0.0	
100	QPSK	135	138		13.77				
100	QPSK	270	0		13.85		15.0	0.0	
100	16QAM	1	1		13.07				
100	64QAM	1	1		12.97		15.0	0.0	
100	256QAM	1	1		13.17				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3750	3763.01	15.0 <td colspan="2">0.0</td>	0.0	
90	QPSK	1	69		13.58	13.70	13.67	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
80	QPSK	1	1		13.52	13.64	13.62	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3736 <th>3750<th>3764<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3764<td>15.0</td><td colspan="2">0.0</td></th>	3764 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
70	QPSK	1	1		13.55	13.64	13.60	15.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02 <th>3750<th>3770.01<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3770.01<td>15.0</td><td colspan="2">0.0</td></th>	3770.01 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
60	QPSK	1	1		13.58	13.70	13.65	15.0	0.0
Channel				648334	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01 <th>3750<th>3775.02<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3775.02<td>15.0</td><td colspan="2">0.0</td></th>	3775.02 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
50	QPSK	1	1		13.62	13.71	13.61	15.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720 <th>3750<th>3740<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3740<td>15.0</td><td colspan="2">0.0</td></th>	3740 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
40	QPSK	1	1		13.53	13.66	13.61	15.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02 <th>3750<th>3785.01<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3785.01<td>15.0</td><td colspan="2">0.0</td></th>	3785.01 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
30	QPSK	1	1		13.60	13.62	13.64	15.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01 <th>3750<th>3790.02<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3790.02<td>15.0</td><td colspan="2">0.0</td></th>	3790.02 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
20	QPSK	1	1		13.62	13.58	13.60	15.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52 <th>3750<th>3792.51<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3792.51<td>15.0</td><td colspan="2">0.0</td></th>	3792.51 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
15	QPSK	1	1		13.56	13.63	13.64	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705 <th>3750<th>3795<td>15.0</td><td colspan="2">0.0</td></th></th>	3750 <th>3795<td>15.0</td><td colspan="2">0.0</td></th>	3795 <td>15.0</td> <td colspan="2">0.0</td>	15.0	0.0	
10	QPSK	1	1		13.61	13.68	13.61	15.0	0.0

Part27Q n78 Ant5 PC2&PC3									
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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		13.03		15.0	0.0	
100	PI2 BPSK	1	137		13.80				
100	PI2 BPSK	1	271		12.93				
100	PI2 BPSK	135	0		13.84		15.0	0.0	
100	PI2 BPSK	135	69		13.91		15.0	0.0	
100	PI2 BPSK	135	138		13.70		15.0	0.0	
100	PI2 BPSK	270	0		13.70				
100	QPSK	1	1		13.09				
100	QPSK	1	137		13.96		15.0	0.0	
100	QPSK	1	271		12.96				
100	QPSK	135	0		13.78		15.0	0.0	
100	QPSK	135	69		13.81		15.0	0.0	
100	QPSK	135	138		13.72		15.0	0.0	
100	QPSK	270	0		13.88				
100	16QAM	1	1		13.08		15.0	0.0	
100	64QAM	1	1		12.96		15.0	0.0	
100	256QAM	1	1		13.11		15.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	13.53	13.61	13.62	15.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	13.54	13.66	13.70	15.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	13.59	13.71	13.59	15.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3490	3500.01	3510.02	(dBm)	(dB)	
60	QPSK	1	1	13.56	13.60	13.70	15.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	13.51	13.57	13.60	15.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	13.52	13.62	13.59	15.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	13.58	13.61	13.64	15.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	13.54	13.71	13.62	15.0	0.0	
Channel				630300	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	13.58	13.61	13.61	15.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	13.55	13.64	13.64	15.0	0.0	



Part270 n77 Ant5 PC2&PC3									
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				650000	650000	650000	15.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	13.09	13.13	13.04	15.0	0.0	
100	PI2 BPSK	1	137	13.95	14.01	13.86			
100	PI2 BPSK	1	271	12.99	13.01	12.98	15.0	0.0	
100	PI2 BPSK	135	0	13.86	13.92	13.90			
100	PI2 BPSK	135	69	13.72	13.87	13.75	15.0	0.0	
100	PI2 BPSK	135	138	13.75	13.81	13.72			
100	PI2 BPSK	270	0	13.68	13.82	13.75	15.0	0.0	
100	QPSK	1	1	13.04	13.18	13.04			
100	QPSK	1	137	13.93	14.14	13.97	15.0	0.0	
100	QPSK	1	271	12.98	13.02	12.90			
100	QPSK	135	0	13.83	13.87	13.76	15.0	0.0	
100	QPSK	135	69	13.94	13.94	13.81			
100	QPSK	135	138	13.65	13.76	13.75	15.0	0.0	
100	QPSK	270	0	13.75	13.86	13.82			
100	16QAM	1	1	13.10	13.20	13.09	15.0	0.0	
100	64QAM	1	1	13.00	13.13	13.12			
100	256QAM	1	1	13.14	13.17	13.10	15.0	0.0	
Channel				646968	650000	652334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dbm)		
90	QPSK	1	1	13.79	13.93	13.85	15.0	0.0	
Channel				649334	650000	652668			
Frequency (MHz)				3742.01	3840	3943.02	Tune-up limit (dbm)		
80	QPSK	1	1	13.77	13.88	13.82	15.0	0.0	
Channel				649000	650000	653000			
Frequency (MHz)				3735	3840	3945	Tune-up limit (dbm)		
70	QPSK	1	1	13.74	13.93	13.87	15.0	0.0	
Channel				648968	650000	653334			
Frequency (MHz)				3720.02	3840	3950.01	Tune-up limit (dbm)		
60	QPSK	1	1	13.82	13.90	13.81	15.0	0.0	
Channel				648334	650000	653668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dbm)		
50	QPSK	1	1	13.73	13.88	13.85	15.0	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dbm)		
40	QPSK	1	1	13.80	13.94	13.79	15.0	0.0	
Channel				647668	650000	654334			
Frequency (MHz)				3715.02	3840	3955.01	Tune-up limit (dbm)		
30	QPSK	1	1	13.74	13.91	13.80	15.0	0.0	
Channel				647334	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dbm)		
20	QPSK	1	1	13.81	13.92	13.87	15.0	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.53	3840	3972.51	Tune-up limit (dbm)		
15	QPSK	1	1	13.75	13.86	13.82	15.0	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dbm)		
10	QPSK	1	1	13.77	13.91	13.85	15.0	0.0	

ECI3 ENDC Power									
Part27Q n77 Ant5 PC2&PC3									
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				633334			15.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	13.13			15.0	0.0	
100	PI2 BPSK	1	137	13.95					
100	PI2 BPSK	1	271	13.03			15.0	0.0	
100	PI2 BPSK	135	0	13.85					
100	PI2 BPSK	135	69	13.92			15.0	0.0	
100	PI2 BPSK	135	138	13.82					
100	PI2 BPSK	270	0	13.76			15.0	0.0	
100	QPSK	1	1	13.18					
100	QPSK	1	137	14.04			15.0	0.0	
100	QPSK	1	271	12.99					
100	QPSK	135	0	13.89			15.0	0.0	
100	QPSK	135	69	13.91					
100	QPSK	135	138	13.80			15.0	0.0	
100	QPSK	270	0	13.90					
100	16QAM	1	1	13.13			15.0	0.0	
100	64QAM	1	1	13.06					
100	256QAM	1	1	13.18			15.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)		
90	QPSK	1	1	13.83	13.83	13.85	15.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3492.02	3500.01	3510	Tune-up limit (dBm)		
80	QPSK	1	1	13.82	13.72	13.73	15.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)		
70	QPSK	1	1	13.84	13.75	13.81	15.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480.02	3500.01	3530.02	Tune-up limit (dBm)		
60	QPSK	1	1	13.72	13.81	13.84	15.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3535	Tune-up limit (dBm)		
50	QPSK	1	1	13.80	13.82	13.74	15.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)		
40	QPSK	1	1	13.72	13.81	13.85	15.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)		
30	QPSK	1	1	13.88	13.82	13.70	15.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)		
20	QPSK	1	1	13.72	13.75	13.75	15.0	0.0	
Channel				630300	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)		
15	QPSK	1	1	13.69	13.78	13.72	15.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)		
10	QPSK	1	1	13.71	13.75	13.83	15.0	0.0	

Part270 n78 Ant5 PC2&PC3									
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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		13.06		15.0	0.0	
100	PI2 BPSK	1	137		13.81				
100	PI2 BPSK	1	271		12.90		15.0	0.0	
100	PI2 BPSK	135	0		13.71				
100	PI2 BPSK	135	69		13.81		15.0	0.0	
100	PI2 BPSK	135	138		13.89		15.0	0.0	
100	PI2 BPSK	270	0		13.64				
100	QPSK	1	1		13.11		15.0	0.0	
100	QPSK	1	137		13.87				
100	QPSK	1	271		12.92				
100	QPSK	135	0		13.78		15.0	0.0	
100	QPSK	135	69		13.78		15.0	0.0	
100	QPSK	135	138		13.77		15.0	0.0	
100	QPSK	270	0		13.85				
100	16QAM	1	1		13.07		15.0	0.0	
100	64QAM	1	1		12.97		15.0	0.0	
100	256QAM	1	1		13.17		15.0	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	13.58	13.70	13.07	15.0	0.0	
Channel				649334	650000	650688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02 <td></td> <td></td>			
80	QPSK	1	1	13.52	13.64	13.62	15.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.00	3750	3765.00 <td></td> <td></td>			
70	QPSK	1	1	13.55	13.64	13.00	15.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01 <td></td> <td></td>			
60	QPSK	1	1	13.58	13.70	13.05	15.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02 <td></td> <td></td>			
50	QPSK	1	1	13.62	13.71	13.61	15.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3750	3780.00 <td></td> <td></td>			
40	QPSK	1	1	13.53	13.69	13.51	15.0	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01 <td></td> <td></td>			
30	QPSK	1	1	13.60	13.62	13.04	15.0	0.0	
Channel				647334	650000	652688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02 <td></td> <td></td>			
20	QPSK	1	1	13.62	13.58	13.00	15.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.01 <td></td> <td></td>			
15	QPSK	1	1	13.56	13.63	13.04	15.0	0.0	
Channel				646800	650000	653100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795 <td></td> <td></td>			
10	QPSK	1	1	13.61	13.68	13.61	15.0	0.0	

Part27Q n78 Ant5 PC2&PC3									
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				633334			15.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	13.03			15.0	0.0	
100	PI2 BPSK	1	137	13.80					
100	PI2 BPSK	1	271	12.93					
100	PI2 BPSK	135	0	13.84			15.0	0.0	
100	PI2 BPSK	135	69	13.91			15.0	0.0	
100	PI2 BPSK	135	138	13.70			15.0	0.0	
100	PI2 BPSK	270	0	13.70			15.0	0.0	
100	QPSK	1	1	13.09					
100	QPSK	1	137	13.96					
100	QPSK	1	271	12.96			15.0	0.0	
100	QPSK	135	0	13.78					
100	QPSK	135	69	13.81					
100	QPSK	135	138	13.72			15.0	0.0	
100	QPSK	270	0	13.88			15.0	0.0	
100	16QAM	1	1	13.08					
100	64QAM	1	1	12.96					
100	256QAM	1	1		13.11		15.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	13.53	13.61	13.62	15.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	13.54	13.66	13.70	15.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	13.59	13.71	13.59	15.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3500.02			
60	QPSK	1	1	13.58	13.60	13.70	15.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.51	13.57	13.60	15.0	0.0	
Channel				631334	633334	633334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.52	13.62	13.59	15.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.58	13.61	13.64	15.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.54	13.71	13.62	15.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	13.58	13.61	13.61	15.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	13.55	13.64	13.64	15.0	0.0	



Part270 n77 Ant5 PC3&PC2 ECi6									
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				650000	650000	650000	18.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	17.44	17.55	17.44	18.5	0.0	
100	Pi2 BPSK	1	137	17.50	17.52	17.43			
100	Pi2 BPSK	1	271	17.47	17.50	17.33	18.5	0.0	
100	Pi2 BPSK	135	0	17.44	17.52	17.33			
100	Pi2 BPSK	135	69	17.54	17.58	17.38	18.5	0.0	
100	Pi2 BPSK	135	138	17.51	17.47	17.37			
100	Pi2 BPSK	270	0	17.46	17.48	17.40	18.5	0.0	
100	QPSK	1	1	17.51	17.50	17.39			
100	QPSK	1	137	17.50	17.60	17.40	18.5	0.0	
100	QPSK	1	271	17.52	17.52	17.44			
100	QPSK	135	0	17.50	17.48	17.39	18.5	0.0	
100	QPSK	135	69	17.44	17.55	17.48			
100	QPSK	135	138	17.54	17.54	17.46	18.5	0.0	
100	QPSK	270	0	17.50	17.52	17.39			
100	16QAM	1	1	17.50	17.50	17.48	18.5	0.0	
100	64QAM	1	1	17.55	17.57	17.42			
100	256QAM	1	1	17.52	17.50	17.43	18.5	0.0	
Channel				649995	650000	650000			
Frequency (MHz)				3745.02	3840	3935.01	18.5	0.0	
90	QPSK	1	1	17.00	16.96	16.85		18.5	
Channel				649334	650000	650668	18.5	0.0	
Frequency (MHz)				3743.01	3840	3939.02			
80	QPSK	1	1	17.01	16.96	16.92	18.5	0.0	
Channel				649000	650000	650000			
Frequency (MHz)				3735	3840	3945	18.5	0.0	
70	QPSK	1	1	17.04	17.01	16.94		18.5	
Channel				648668	650000	650334	18.5	0.0	
Frequency (MHz)				3720.02	3840	3950.01			
60	QPSK	1	1	16.92	17.00	16.93	18.5	0.0	
Channel				648334	650000	650668		18.5	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.98	17.04	16.94	18.5	0.0	
Channel				648000	650000	650000		18.5	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.03	17.04	16.86	18.5	0.0	
Channel				647668	650000	654334		18.5	
Frequency (MHz)				3713.02	3840	3953.01			
30	QPSK	1	1	16.98	16.95	16.90	18.5	0.0	
Channel				647334	650000	654668		18.5	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.92	17.09	16.92	18.5	0.0	
Channel				647168	650000	654934		18.5	
Frequency (MHz)				3707.53	3840	3972.51			
15	QPSK	1	1	17.00	16.96	16.85	18.5	0.0	
Channel				647000	650000	655000		18.5	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.98	17.06	16.90	18.5	0.0	

ECi6 ENDC Power										
Part27Q n77 Ant5 PC3&PC2 ECi6										
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				633334			18.5	0.0		
Frequency (MHz)				3500.01						
100	Pi2 BPSK	1	1	17.45			18.5	0.0		
100	Pi2 BPSK	1	137	17.47						
100	Pi2 BPSK	1	271	17.45			18.5	0.0		
100	Pi2 BPSK	135	0	17.47						
100	Pi2 BPSK	135	69	17.46			18.5	0.0		
100	Pi2 BPSK	135	138	17.48						
100	Pi2 BPSK	270	0	17.45			18.5	0.0		
100	QPSK	1	1	17.52						
100	QPSK	1	137	17.56			18.5	0.0		
100	QPSK	1	271	17.48						
100	QPSK	135	0	17.49			18.5	0.0		
100	QPSK	135	69	17.54				18.5		
100	QPSK	135	138	17.45						
100	QPSK	270	0	17.52			18.5	0.0		
100	16QAM	1	1	17.55				18.5		
100	64QAM	1	1	17.46						
100	256QAM	1	1	17.51			18.5	0.0		
Channel				633000	633334	633668		18.5		
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	16.92	17.00	16.92	18.5	0.0		
Channel				632668	633334	634000		18.5		
Frequency (MHz)				3490.02	3500.01	3510		18.5		
80	QPSK	1	1	17.03	17.01	16.87		18.5		
Channel				632334	633334	634334	18.5	0.0		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	16.98	17.02	16.99	18.5	0.0		
Channel				632000	633334	634668		18.5		
Frequency (MHz)				3480	3500.01	3530.02				
60	QPSK	1	1	17.01	17.01	16.91	18.5	0.0		
Channel				631668	633334	635000		18.5		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	16.93	16.95	16.97	18.5	0.0		
Channel				631334	633334	635334		18.5		
Frequency (MHz)				3470.01	3500.01	3530.01		18.5		
40	QPSK	1	1	16.97	17.02	16.91	18.5	0.0		
Channel				631000	633334	635668		18.5		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	16.94	16.95	16.88	18.5	0.0		
Channel				630668	633334	636000		18.5		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	16.98	16.94	16.88	18.5	0.0		
Channel				630300	633334	636168		18.5		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	16.94	16.93	16.88	18.5	0.0		
Channel				630334	633334	636334		18.5		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	16.91	16.95	16.91	18.5	0.0		

Part270 n78 Ant5 PC3&PC2 ECi6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	Pi2 BPSK	1	1		17.62		18.5	0.0	
100	Pi2 BPSK	1	137		17.53				
100	Pi2 BPSK	1	271		17.81		18.5	0.0	
100	Pi2 BPSK	135	0		17.47				
100	Pi2 BPSK	135	69		17.55		18.5	0.0	
100	Pi2 BPSK	135	138		17.53		18.5	0.0	
100	Pi2 BPSK	270	0		17.59				
100	QPSK	1	1		17.55		18.5	0.0	
100	QPSK	1	137		17.61				
100	QPSK	1	271		17.81		18.5	0.0	
100	QPSK	135	0		17.59				
100	QPSK	135	69		17.61		18.5	0.0	
100	QPSK	135	138		17.57		18.5	0.0	
100	QPSK	270	0		17.63		18.5	0.0	
100	16QAM	1	1		17.57				
100	64QAM	1	1		17.57		18.5	0.0	
100	256QAM	1	1		17.56		18.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	18.5	0.0	
90	QPSK	1	1	16.96	17.05	16.95	18.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	18.5	0.0	
80	QPSK	1	1	17.02	17.03	17.03	18.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	18.5	0.0	
70	QPSK	1	1	17.06	17.07	17.06	18.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	18.5	0.0	
60	QPSK	1	1	17.01	17.00	17.02	18.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	18.5	0.0	
50	QPSK	1	1	17.04	17.13	17.02	18.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	18.5	0.0	
40	QPSK	1	1	16.97	17.03	17.06	18.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	18.5	0.0	
30	QPSK	1	1	16.95	17.07	16.97	18.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	18.5	0.0	
20	QPSK	1	1	17.05	17.02	16.93	18.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	18.5	0.0	
15	QPSK	1	1	16.96	17.05	17.03	18.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.5	0.0	
10	QPSK	1	1	17.05	17.02	17.05	18.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			18.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		17.80		18.5	0.0	
100	PI2 BPSK	1	137		17.59				
100	PI2 BPSK	1	271		17.57		18.5	0.0	
100	PI2 BPSK	135	0		17.53				
100	PI2 BPSK	135	69		17.62		18.5	0.0	
100	PI2 BPSK	135	138		17.54				
100	PI2 BPSK	270	0		17.53		18.5	0.0	
100	QPSK	1	1		17.52				
100	QPSK	1	137		17.63		18.5	0.0	
100	QPSK	1	271		17.56				
100	QPSK	135	0		17.56		18.5	0.0	
100	QPSK	135	69		17.59				
100	QPSK	135	138		17.58		18.5	0.0	
100	QPSK	270	0		17.56				
100	16QAM	1	1		17.54		18.5	0.0	
100	64QAM	1	1		17.53				
100	256QAM	1	1		17.80		18.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	16.98	17.01	17.01	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.09	17.02	17.02	18.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.06	17.06	16.89	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3510.02			
60	QPSK	1	1	17.06	17.02	16.98	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.98	17.10	17.00	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.99	17.10	16.96	18.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.07	17.01	16.89	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.99	17.08	16.96	18.5	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.98	17.03	16.96	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.04	17.02	16.96	18.5	0.0	



n2 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	22.80	22.85	22.75	24.0	0.0
30	PI2 BPSK	1	80	23.08	23.15	23.10		
30	PI2 BPSK	1	158	22.91	22.95	22.89		
30	PI2 BPSK	80	0	22.58	22.62	22.56	23.5	0.5
30	PI2 BPSK	80	40	22.58	23.10	23.00	24.0	0.0
30	PI2 BPSK	80	80	22.51	22.61	22.57	23.5	0.5
30	PI2 BPSK	160	0	22.60	22.69	22.65		
30	QPSK	1	1	22.82	22.94	22.91	24.0	0.0
30	QPSK	1	80	23.11	23.15	23.15		
30	QPSK	1	158	22.95	22.98	22.87		
30	QPSK	80	0	22.57	22.57	22.26	23.0	1.0
30	QPSK	80	40	23.06	23.17	23.13	24.0	0.0
30	QPSK	80	80	22.79	22.51	22.21	23.0	1.0
30	QPSK	160	0	22.17	22.35	22.32		
30	16QAM	1	1	21.69	21.79	21.72	23.0	1.0
30	64QAM	1	1	20.17	20.28	20.13	21.5	2.5
30	256QAM	1	1	18.76	18.82	18.78	19.5	4.5
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.83	22.93	22.96	24.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.91	22.92	22.98	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	23.06	23.04	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.07	23.18	23.08	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.98	23.11	23.03	24.0	0.0

ECI7 ENDG Power								
n5 Ant0								
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					167500			
Frequency (MHz)					836.5			
25	PI2 BPSK	1	1		22.63		24.0	0.0
25	PI2 BPSK	1	67		22.85			
25	PI2 BPSK	1	131		22.65			
25	PI2 BPSK	64	0		22.28		23.5	0.5
25	PI2 BPSK	64	35		22.87		24.0	0.0
25	PI2 BPSK	64	69		22.30		23.5	0.5
25	PI2 BPSK	128	0		22.34			
25	QPSK	1	1		22.57		24.0	0.0
25	QPSK	1	67		22.92			
25	QPSK	1	131		22.50			
25	QPSK	64	0		21.74		23.0	1.0
25	QPSK	64	35		22.86		24.0	0.0
25	QPSK	64	69		21.78		23.0	1.0
25	QPSK	128	0		21.83			
25	16QAM	1	1		21.32		23.0	1.0
25	64QAM	1	1		20.00		21.5	2.5
25	256QAM	1	1		18.53		19.5	4.5
Channel				166800	167500	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	838		
20	QPSK	1	1	22.84	22.89	22.73	0.0	0.0
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.77	22.86	22.75	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.82	22.88	22.75	24.0	0.0
Channel				165300	167900	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.78	22.80	22.75	24.0	0.0

n12 Ant0								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.84	22.98	22.75	24.0	0.0
15	PI2 BPSK	1	40	22.75	22.83	22.71		
15	PI2 BPSK	1	77	22.73	22.80	22.71		
15	PI2 BPSK	36	0	22.58	22.65	22.52	23.5	0.5
15	PI2 BPSK	36	22	22.69	22.81	22.70	24.0	0.0
15	PI2 BPSK	36	43	22.54	22.61	22.50	23.5	0.5
15	PI2 BPSK	75	0	22.58	22.64	22.61		
15	QPSK	1	1	22.87	22.92	22.81	24.0	0.0
15	QPSK	1	40	22.83	22.87	22.77		
15	QPSK	1	77	22.72	22.81	22.68		
15	QPSK	36	0	22.04	22.12	22.08	23.0	1.0
15	QPSK	36	22	22.82	22.85	22.77	24.0	0.0
15	QPSK	36	43	22.02	22.07	21.94	23.0	1.0
15	QPSK	75	0	22.05	22.13	22.00		
15	16QAM	1	1	21.72	21.76	21.69	23.0	1.0
15	64QAM	1	1	20.11	20.22	20.18	21.5	2.5
15	256QAM	1	1	18.70	18.83	18.77	19.5	4.5
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.82	22.85	22.72	24.0	0.0
Channel				140500	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.72	22.80	22.67	24.0	0.0

n14 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1		22.57		24.0	0.0	
10	PI2 BPSK	1	25		22.50				
10	PI2 BPSK	1	50		22.50				
10	PI2 BPSK	25	0		22.12		23.5	0.5	
10	PI2 BPSK	25	14		22.56		24.0	0.0	
10	PI2 BPSK	25	27		22.07		23.5	0.5	
10	PI2 BPSK	50	0		22.14		24.0	0.0	
10	QPSK	1	1		22.64				
10	QPSK	1	25		22.58				
10	QPSK	1	50		22.55		23.0	1.0	
10	QPSK	25	0		21.73				
10	QPSK	25	14		22.60				
10	QPSK	25	27		21.66		23.0	1.0	
10	QPSK	50	0		21.76		23.0	1.0	
10	16QAM	1	1		21.36				
10	64QAM	1	1		19.91		21.5	2.5	
10	256QAM	1	1		18.43		19.5	4.5	
Channel				159100	159500	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	22.53	22.52	22.49	24.0	0.0	

n25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbfm)	MPR (db)	
Channel									
Frequency (MHz)									
45	PI2 BPSK	1	1	22.23	22.37	22.30	24.0	0.0	0.0
45	PI2 BPSK	1	61	22.97	23.11	22.98			
45	PI2 BPSK	1	121	22.36	22.45	22.31			
45	PI2 BPSK	121	0	22.41	22.51	22.37	23.5	0.5	0.0
45	PI2 BPSK	121	61	22.92	23.06	23.00	24.0	0.0	0.0
45	PI2 BPSK	121	121	22.54	22.58	22.51	23.5	0.5	0.5
45	PI2 BPSK	242	0	22.50	22.62	22.55	24.0	0.0	0.5
45	QPSK	1	1	22.35	22.42	22.40			
45	QPSK	1	61	23.09	23.17	23.11			
45	QPSK	1	121	22.40	22.48	22.43	23.0	1.0	1.0
45	QPSK	121	0	22.10	22.16	22.02			
45	QPSK	121	61	23.02	23.11	23.07			
45	QPSK	121	121	22.12	22.18	22.03	23.0	1.0	1.0
45	QPSK	242	0	22.09	22.25	22.01	23.0	1.0	1.0
45	16QAM	1	1	21.21	21.33	21.25			
45	64QAM	1	1	19.75	19.84	19.79			
45	256QAM	1	1	18.27	18.41	18.28	19.5	4.5	4.5
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.89	23.02	23.04	0.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.03	23.10	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.99	23.09	23.03	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.97	23.04	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.97	23.04	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.98	23.11	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.95	23.04	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.96	23.13	22.99	24.0	0.0	

n26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq 164300	Power Middle Ch./ Freq 165300	Power High Ch./ Freq 167400	Tune-up limits (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.74	22.81	22.78	24.0	0.0	
30	PI2 BPSK	1	53	22.63	22.68	22.57			
30	PI2 BPSK	1	104	22.61	22.71	22.67			
30	PI2 BPSK	50	0	22.30	22.35	22.21	23.5	0.5	
30	PI2 BPSK	50	28	22.76	22.80	22.71	24.0	0.0	
30	PI2 BPSK	50	56	22.20	22.31	22.19	23.5	0.5	
30	PI2 BPSK	100	0	22.23	22.37	22.28	24.0	0.0	
30	QPSK	1	1	22.89	22.91	22.82			
30	QPSK	1	53	22.69	22.75	22.65			
30	QPSK	1	104	22.62	22.69	22.59	23.0	1.0	
30	QPSK	50	0	21.81	21.84	21.81			
30	QPSK	50	28	22.78	22.87	22.80			
30	QPSK	50	56	21.66	21.68	21.71	23.0	1.0	
30	QPSK	100	0	21.84	21.86	21.81	23.0	1.0	
30	16QAM	1	1	21.36	21.43	21.30			
30	64QAM	1	1	19.95	20.06	19.99			
30	256QAM	1	1	18.51	18.62	18.57	19.5	4.5	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.74	22.82	22.73	24.0	0.0	
Channel				163800	165300	165800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.68	22.78	22.67	24.0	0.0	
Channel				163300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.74	22.87	22.75	24.0	0.0	

n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	351000			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	22.23	22.31	22.15			
45	PI2 BPSK	1	61	22.78	22.88	22.77	24.0	0.0	
45	PI2 BPSK	1	121	22.17	22.23	22.10			
45	PI2 BPSK	121	0	22.52	22.59	22.47	23.5	0.5	
45	PI2 BPSK	121	61	22.71	22.85	22.80	24.0	0.0	
45	PI2 BPSK	121	121	22.48	22.55	22.41			
45	PI2 BPSK	242	0	22.48	22.62	22.54	23.5	0.5	
45	QPSK	1	1	22.30	22.34	22.23			
45	QPSK	1	61	22.87	22.93	22.81	24.0	0.0	
45	QPSK	1	121	22.14	22.25	22.17			
45	QPSK	121	0	21.98	22.02	21.90	23.0	1.0	
45	QPSK	121	61	22.82	22.89	22.81	24.0	0.0	
45	QPSK	121	121	21.94	22.04	21.87	23.0	1.0	
45	QPSK	242	0	21.99	22.11	22.07			
45	16QAM	1	1	21.17	21.24	21.20	23.0	1.0	
45	64QAM	1	1	19.80	19.73	19.65	21.5	2.5	
45	256QAM	1	1	18.34	18.37	18.33	19.5	4.5	
Channel				349000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.85	22.83	22.62	24.0	0.0	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
35	QPSK	1	1	22.85	22.83	22.62	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
30	QPSK	1	1	22.72	22.87	22.78	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.74	22.79	22.77	24.0	0.0	
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1770			
20	QPSK	1	1	22.82	22.88	22.78	24.0	0.0	
Channel				345500	349500	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.79	22.80	22.85	24.0	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1714	1745	1772			
10	QPSK	1	1	22.74	22.85	22.85	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.81	22.81	22.77	24.0	0.0	

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500	340500				
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	22.53					
15	PI2 BPSK	1	40		22.80		24.0	0.0	
15	PI2 BPSK	1	77		22.86				
15	PI2 BPSK	36	0		22.48		23.5	0.5	
15	PI2 BPSK	36	22		22.80		24.0	0.0	
15	PI2 BPSK	36	43		22.48		23.5	0.5	
15	PI2 BPSK	75	0		22.52				
15	QPSK	1	1		22.58				
15	QPSK	1	40		22.89		24.0	0.0	
15	QPSK	1	77		22.81				
15	QPSK	36	0		22.13		23.0	1.0	
15	QPSK	36	22		22.82		24.0	0.0	
15	QPSK	36	43		22.14		23.0	1.0	
15	QPSK	75	0		22.17				
15	16QAM	1	1		21.78		23.0	1.0	
15	64QAM	1	1		20.25		21.5	2.5	
15	256QAM	1	1		18.86		19.5	4.5	
Channel				341000	349000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1705	1702.5	1700			
10	QPSK	1	1	22.85	22.81	22.66	24.0	0.0	
Channel				340500	349000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1702.5	1702.5	1702.5			
5	QPSK	1	1	22.72	22.82	22.63	24.0	0.0	

n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	690.5	707.5			
20	PI2 BPSK	1	1	22.92	23.05	22.97			
20	PI2 BPSK	1	53	22.84	22.91	22.78	24.0	0.0	
20	PI2 BPSK	1	104	22.73	22.83	22.79			
20	PI2 BPSK	50	0	22.45	22.52	22.40	23.5	0.5	
20	PI2 BPSK	50	28	22.94	23.02	22.96	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.52	22.38	23.5	0.5	
20	PI2 BPSK	100	0	22.50	22.58	22.52			
20	QPSK	1	1	23.07	23.11	23.01			
20	QPSK	1	53	22.90	22.95	22.83	24.0	0.0	
20	QPSK	1	104	22.68	22.76	22.62			
20	QPSK	50	0	21.85	21.94	21.82	23.0	1.0	
20	QPSK	50	28	23.09	23.07	22.96	24.0	0.0	
20	QPSK	50	56	21.86	22.00	21.81	23.0	1.0	
20	QPSK	100	0	22.01	22.04	21.97			
20	16QAM	1	1	21.60	21.66	21.55	23.0	1.0	
20	64QAM	1	1	20.07	20.13	20.00	21.5	2.5	
20	256QAM	1	1	18.61	18.70	18.62	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	690.5	690.5			
15	QPSK	1	1	22.95	23.05	22.98	24.0	0.0	
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	690.5	693			
10	QPSK	1	1	22.89	23.01	22.97	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	690.5	695.5			
5	QPSK	1	1	22.92	23.08	22.86	24.0	0.0	



n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	23.10	23.18	23.04			
50	PI/2 BPSK	1	135	23.00	23.07	22.98			
50	PI/2 BPSK	1	268	22.83	22.86	22.82	23.5	0.5	
50	PI/2 BPSK	135	0	22.65	22.78	22.74			
50	PI/2 BPSK	135	68	23.01	23.14	23.09			
50	PI/2 BPSK	135	135	22.53	22.58	22.52			
50	PI/2 BPSK	270	0	22.51	22.66	22.61	24.0	0.0	
50	QPSK	1	1	23.17	23.23	23.12			
50	QPSK	1	135	23.06	23.11	23.00			
50	QPSK	1	268	22.73	22.82	22.70			
50	QPSK	135	0	22.20	22.23	22.08	23.0	1.0	
50	QPSK	135	68	23.12	23.16	23.05			
50	QPSK	135	135	22.04	22.09	22.01			
50	QPSK	270	0	22.08	22.13	22.01			
50	16QAM	1	1	21.78	21.84	21.72	23.0	1.0	
50	64QAM	1	1	20.25	20.37	20.22			
50	256QAM	1	1	18.89	18.92	18.84			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24.0	0.0	
40	QPSK	1	1	23.07	23.15	23.00	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.14	23.20	23.07		0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	23.03	23.19	23.04	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.06	23.18	22.98		0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	QPSK	1	1	23.04	23.10	23.07	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.04	23.11	23.05		0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	QPSK	1	1	23.02	23.16	23.04	24.0		

n30 Ant1									
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					462000		24.0	0.0	
Frequency (MHz)					2310				
10	PI/2 BPSK	1	1		23.22				
10	PI/2 BPSK	1	26		23.16				
10	PI/2 BPSK	1	50		22.86		23.5	0.5	
10	PI/2 BPSK	25	0		22.79				
10	PI/2 BPSK	25	14		23.18				
10	PI/2 BPSK	25	27		22.53				
10	PI/2 BPSK	50	0		22.61		23.5	0.5	
10	QPSK	1	1		23.28				
10	QPSK	1	26		23.19				
10	QPSK	1	50		22.95				
10	QPSK	25	0		22.24		23.0	1.0	
10	QPSK	25	14		23.21				
10	QPSK	25	27		22.05				
10	QPSK	50	0		22.12				
10	16QAM	1	1		22.06		23.0	1.0	
10	64QAM	1	1		20.39				
10	256QAM	1	1		18.89				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.15	23.22	23.12	24.0	0.0	



Part27O n77 Ant5 PC2&PC3									
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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	10.09	10.13	10.04	12.0	0.0	
100	P12 BPSK	1	137	10.95	11.01	10.86			
100	P12 BPSK	1	271	9.99	10.01	9.98	12.0	0.0	
100	P12 BPSK	135	0	10.86	10.92	10.90			
100	P12 BPSK	135	69	10.72	10.87	10.75	12.0	0.0	
100	P12 BPSK	135	138	10.75	10.81	10.72			
100	P12 BPSK	270	0	10.88	10.82	10.75	12.0	0.0	
100	QPSK	1	1	10.04	10.16	10.04			
100	QPSK	1	137	10.93	11.15	10.97	12.0	0.0	
100	QPSK	1	271	9.98	10.02	9.90			
100	QPSK	135	0	10.94	10.94	10.81	12.0	0.0	
100	QPSK	135	69	10.83	10.87	10.76			
100	QPSK	135	138	10.85	10.76	10.75	12.0	0.0	
100	QPSK	270	0	10.75	10.85	10.82			
100	16QAM	1	1	10.10	10.20	10.09	12.0	0.0	
100	64QAM	1	1	10.00	10.13	10.12		12.0	
100	256QAM	1	1	10.14	10.17	10.10	12.0	0.0	
Channel				640999	650000	662334		Tune-up limit (dBm)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	10.83	11.03	10.83	12.0	0.0	
Channel				649334	650000	662668		Tune-up limit (dBm)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	10.81	11.07	10.81	12.0	0.0	
Channel				649000	650000	663000		Tune-up limit (dBm)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	10.75	11.08	10.86	12.0	0.0	
Channel				648668	650000	663334		Tune-up limit (dBm)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	10.75	11.02	10.86	12.0	0.0	
Channel				648334	650000	663668		Tune-up limit (dBm)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	10.82	11.02	10.79	12.0	0.0	
Channel				648000	650000	664000		Tune-up limit (dBm)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	10.75	11.02	10.84	12.0	0.0	
Channel				647668	650000	664334		Tune-up limit (dBm)	
Frequency (MHz)				3715.02	3840	3963.01			
30	QPSK	1	1	10.78	11.02	10.79	12.0	0.0	
Channel				647334	650000	664668		Tune-up limit (dBm)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	10.79	10.99	10.81	12.0	0.0	
Channel				647168	650000	664834		Tune-up limit (dBm)	
Frequency (MHz)				3705.52	3840	3972.51			
15	QPSK	1	1	10.75	10.99	10.81	12.0	0.0	
Channel				647000	650000	665000		Tune-up limit (dBm)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	10.79	11.00	10.82	12.0	0.0	

Part27Q n77 Ant5 PC2&PC3									
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				633334					
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		10.13		12.0	0.0	
100	P12 BPSK	1	137		10.95				
100	P12 BPSK	1	271		10.03		12.0	0.0	
100	P12 BPSK	135	0		10.85				
100	P12 BPSK	135	69		10.92		12.0	0.0	
100	P12 BPSK	135	138		10.82				
100	P12 BPSK	270	0		10.76		12.0	0.0	
100	QPSK	1	1		10.16				
100	QPSK	1	137		11.01		12.0	0.0	
100	QPSK	1	271		9.99				
100	QPSK	135	0		10.89		12.0	0.0	
100	QPSK	135	69		10.91				
100	QPSK	135	138		10.80		12.0	0.0	
100	QPSK	270	0		10.90				
100	16QAM	1	1		10.13		12.0	0.0	
100	64QAM	1	1		10.06			12.0	
100	256QAM	1	1		10.18		12.0	0.0	
Channel				633000	633334	633668		Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	10.83	10.84	10.66	12.0	0.0	
Channel				632668	633334	634000		Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	10.69	10.83	10.64	12.0	0.0	
Channel				632334	633334	634334		Tune-up limit (dBm)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	10.68	10.83	10.66	12.0	0.0	
Channel				632000	633334	634668		Tune-up limit (dBm)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	10.66	10.92	10.68	12.0	0.0	
Channel				631668	633334	635000		Tune-up limit (dBm)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	10.68	10.84	10.69	12.0	0.0	
Channel				631334	633334	635334		Tune-up limit (dBm)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	10.69	10.84	10.68	12.0	0.0	
Channel				631000	633334	635668		Tune-up limit (dBm)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	10.73	10.86	10.69	12.0	0.0	
Channel				630668	633334	636000		Tune-up limit (dBm)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	10.72	10.83	10.69	12.0	0.0	
Channel				630300	633334	636168		Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	10.73	10.91	10.84	12.0	0.0	
Channel				630334	633334	636334		Tune-up limit (dBm)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	10.72	10.84	10.72	12.0	0.0	

Part27O n78 Ant5 PC2&PC3									
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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		10.06		12.0	0.0	
100	P12 BPSK	1	137		10.81				
100	P12 BPSK	1	271		9.90		12.0	0.0	
100	P12 BPSK	135	0		10.81				
100	P12 BPSK	135	69		10.81		12.0	0.0	
100	P12 BPSK	135	138		10.89				
100	P12 BPSK	270	0		10.84		12.0	0.0	
100	QPSK	1	1		10.11				
100	QPSK	1	137		10.93		12.0	0.0	
100	QPSK	1	271		9.92				
100	QPSK	135	0		10.78		12.0	0.0	
100	QPSK	135	69		10.78				
100	QPSK	135	138		10.77		12.0	0.0	
100	QPSK	270	0		10.85				
100	64QAM	1	1		10.07		12.0	0.0	
100	64QAM	1	1		9.97				
100	256QAM	1	1		10.17		12.0	0.0	
Channel				649688	650000	650334			
Frequency (MHz)				3745.12	3750	3755.011	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.54	10.70	10.55	12.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	12.0	0.0	
80	QPSK	1	1	10.55	10.85	10.50	12.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	12.0	0.0	
70	QPSK	1	1	10.56	10.78	10.61	12.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	12.0	0.0	
60	QPSK	1	1	10.45	10.70	10.49	12.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	12.0	0.0	
50	QPSK	1	1	10.48	10.68	10.53	12.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	12.0	0.0	
40	QPSK	1	1	10.58	10.67	10.46	12.0	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	12.0	0.0	
30	QPSK	1	1	10.44	10.70	10.60	12.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	12.0	0.0	
20	QPSK	1	1	10.51	10.69	10.50	12.0	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	12.0	0.0	
15	QPSK	1	1	10.44	10.65	10.47	12.0	0.0	
Channel				646688	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	12.0	0.0	
10	QPSK	1	1	10.53	10.78	10.51	12.0	0.0	

Part27Q n78 Ant5 PC2&PC3

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				633334			12.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		10.03		12.0	0.0
100	PI2 BPSK	1	137		10.80			
100	PI2 BPSK	1	271		9.93		12.0	0.0
100	PI2 BPSK	135	0		10.84			
100	PI2 BPSK	135	69		10.91		12.0	0.0
100	PI2 BPSK	135	138		10.70			
100	PI2 BPSK	270	0		10.70		12.0	0.0
100	QPSK	1	1		10.09			
100	QPSK	1	137		10.96		12.0	0.0
100	QPSK	1	271		9.98			
100	QPSK	135	0		10.78		12.0	0.0
100	QPSK	135	69		10.81			
100	QPSK	135	138		10.72		12.0	0.0
100	QPSK	270	0		10.88			
100	16QAM	1	1		10.08		12.0	0.0
100	64QAM	1	1		9.96			
100	256QAM	1	1		10.11		12.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm) MPR (dB)	
90	QPSK	1	1	10.37	10.70	10.36	12.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm) MPR (dB)	
80	QPSK	1	1	10.46	10.71	10.38	12.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm) MPR (dB)	
70	QPSK	1	1	10.39	10.72	10.47	12.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.01	Tune-up limit (dBm) MPR (dB)	
60	QPSK	1	1	10.45	10.68	10.43	12.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm) MPR (dB)	
50	QPSK	1	1	10.42	10.67	10.48	12.0	0.0
Channel				631334	632334	633334	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm) MPR (dB)	
40	QPSK	1	1	10.47	10.63	10.46	12.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3465	3500.01	3531.02	Tune-up limit (dBm) MPR (dB)	
30	QPSK	1	1	10.42	10.60	10.50	12.0	0.0
Channel				630668	633334	635000	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm) MPR (dB)	
20	QPSK	1	1	10.46	10.73	10.47	12.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.82	Tune-up limit (dBm) MPR (dB)	
15	QPSK	1	1	10.43	10.63	10.48	12.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm) MPR (dB)	
10	QPSK	1	1	10.44	10.69	10.46	12.0	0.0



n2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000	24.0	0.0
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	22.06	22.29	22.24	24.0	0.0
30	PI2 BPSK	1	53	22.40	22.42	22.41		
30	PI2 BPSK	1	104	22.29	22.36	22.19	23.5	0.5
30	PI2 BPSK	50	0	21.86	22.00	21.96		
30	PI2 BPSK	50	28	22.29	22.41	22.30	24.0	0.0
30	PI2 BPSK	50	56	21.93	22.03	21.98		
30	PI2 BPSK	100	0	21.96	22.00	21.96	23.5	0.5
30	QPSK	1	1	22.28	22.33	22.30		
30	QPSK	1	53	22.33	22.48	22.36	24.0	0.0
30	QPSK	1	104	22.30	22.39	22.34		
30	QPSK	50	0	21.40	21.50	21.42	23.0	1.0
30	QPSK	50	28	22.32	22.43	22.38		
30	QPSK	50	56	21.40	21.47	21.46	23.0	1.0
30	QPSK	100	0	21.44	21.50	21.48		
30	16QAM	1	1	21.25	21.29	21.25	23.0	1.0
30	64QAM	1	1	19.80	19.86	19.78		
30	256QAM	1	1	17.74	17.80	17.68	19.5	4.5
Channel				372500	376000	379500	24.0	0.0
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.16	22.27	22.17	24.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900	24.0	0.0
20	QPSK	1	1	22.19	22.26	22.14		
Channel				371500	376000	380500	24.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.17	22.30	22.14	24.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	24.0	0.0
10	QPSK	1	1	22.18	22.30	22.24		
Channel				370500	376000	381500	24.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.16	22.25	22.24	24.0	0.0

Default Power for Other PA

n25 Ant4

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				374500	376500	378500	24.0	0.0
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK			22.23	22.37	22.30	24.0	0.0
45	PI2 BPSK			22.97	23.11	22.98		
45	PI2 BPSK			22.36	22.45	22.31	23.5	0.5
45	PI2 BPSK			22.41	22.51	22.37		
45	PI2 BPSK			22.92	23.06	23.00	24.0	0.0
45	PI2 BPSK			22.54	22.58	22.51		
45	PI2 BPSK			22.50	22.62	22.55	23.5	0.5
45	QPSK			22.35	22.42	22.40		
45	QPSK			23.09	23.17	23.11	24.0	0.0
45	QPSK			22.40	22.48	22.43		
45	QPSK			22.10	22.16	22.02	23.0	1.0
45	QPSK			23.02	23.11	23.07		
45	QPSK			22.12	22.18	22.03	23.0	1.0
45	QPSK			22.09	22.25	22.01		
45	16QAM	1	1	21.21	21.33	21.25	23.0	1.0
45	64QAM	1	1	19.75	19.84	19.79		
45	256QAM	1	1	18.27	18.41	18.23	19.5	4.5
Channel				374000	376500	379000	24.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	23.01	23.03	23.02	24.0	0.0
Channel				373500	376500	379500		
Frequency (MHz)				1867.5	1872.5	1877.5	24.0	0.0
35	QPSK	1	1	23.03	23.10	23.07		
Channel				373000	376500	380000	24.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.99	23.09	23.03	24.0	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5	24.0	0.0
25	QPSK	1	1	23.06	23.07	23.00		
Channel				372000	376500	381000	24.0	0.0
Frequency (MHz)				1860	1892.5	1905		
20	QPSK	1	1	22.97	23.04	23.00	24.0	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5	24.0	0.0
15	QPSK	1	1	22.98	23.11	22.98		
Channel				371000	376500	382000	24.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.95	23.04	23.07	24.0	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5	24.0	0.0
5	QPSK	1	1	22.96	23.13	22.99		

n66 Ant4

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				345000	349000	351500	24.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	22.23	22.31	22.18	24.0	0.0
45	PI2 BPSK	1	108	22.78	22.88	22.77		
45	PI2 BPSK	1	214	22.17	22.23	22.10	23.5	0.5
45	PI2 BPSK	108	0	22.82	22.89	22.47		
45	PI2 BPSK	108	54	22.71	22.85	22.80	24.0	0.0
45	PI2 BPSK	108	108	22.48	22.55	22.41		
45	PI2 BPSK	216	0	22.49	22.62	22.54	23.5	0.5
45	QPSK	1	1	22.30	22.34	22.23		
45	QPSK	1	108	22.87	22.93	22.91	24.0	0.0
45	QPSK	1	214	22.14	22.25	22.17		
45	QPSK	108	0	21.88	22.02	21.90	23.0	1.0
45	QPSK	108	54	22.82	22.89	22.81		
45	QPSK	108	108	21.94	22.04	21.87	23.0	1.0
45	QPSK	216	0	21.99	22.11	22.07		
45	16QAM	1	1	21.17	21.24	21.20	23.0	1.0
45	64QAM	1	1	19.80	19.73	19.65		
45	256QAM	1	1	18.34	18.37	18.33	19.5	4.5
Channel				345000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	22.77	22.84	22.75	24.0	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1742.5	1757.5	24.0	0.0
35	QPSK	1	1	22.72	22.87	22.78		
Channel				345000	349000	353000	24.0	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.72	22.87	22.78	24.0	0.0
Channel				345000	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0
25	QPSK	1	1	22.74	22.79	22.77		
Channel				344000	349000	354000	24.0	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.82	22.84	22.78	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	QPSK	1	1	22.79	22.80	22.86		
Channel				343000	349000	355000	24.0	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.74	22.85	22.85	24.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	QPSK	1	1	22.81	22.81	22.77		



n2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	18.48	18.44	18.35		
30	PI2 BPSK	1	80	18.52	18.50	18.30	19.5	0.0
30	PI2 BPSK	1	168	18.48	18.40	18.36		
30	PI2 BPSK	80	0	18.46	18.40	18.30	19.5	0.0
30	PI2 BPSK	80	40	18.29	18.29	18.30	19.5	0.0
30	PI2 BPSK	80	80	18.31	18.39	18.43	19.5	0.0
30	PI2 BPSK	160	0	18.36	18.29	18.28		
30	QPSK	1	1	18.27	18.41	18.40		
30	QPSK	1	80	18.54	18.68	18.26	19.5	0.0
30	QPSK	1	158	18.28	18.50	18.46		
30	QPSK	80	0	18.14	18.33	18.32	19.5	0.0
30	QPSK	80	40	18.39	18.52	18.51	19.5	0.0
30	QPSK	80	80	18.40	18.20	18.36		
30	QPSK	160	0	18.39	18.45	18.40	19.5	0.0
30	16QAM	1	1	18.29	18.28	18.23	19.5	0.0
30	64QAM	1	1	18.07	18.41	18.12	19.5	0.0
30	256QAM	1	1	18.30	18.37	18.14	19.5	0.0
Channel				372200	376200	379200		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.48	18.63	18.29	19.5	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1876	1900		
20	QPSK	1	1	18.50	18.65	18.29	19.5	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.55	18.62	18.25	19.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.47	18.73	18.31	19.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.51	18.58	18.35	19.5	0.0

ECI2 Power for Other PA

n25 Ant4

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				374500	376500	378500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	18.65	18.68	18.56		
45	PI2 BPSK	1	61	18.63	18.74	18.43	19.5	0.0
45	PI2 BPSK	1	121	18.63	18.61	18.57		
45	PI2 BPSK	121	0	18.56	18.58	18.40	19.5	0.0
45	PI2 BPSK	121	61	18.50	18.51	18.44	19.5	0.0
45	PI2 BPSK	121	121	18.55	18.52	18.56	19.5	0.0
45	PI2 BPSK	242	0	18.53	18.49	18.50		
45	QPSK	1	1	18.48	18.57	18.52		
45	QPSK	1	61	18.65	18.84	18.47	19.5	0.0
45	QPSK	1	121	18.45	18.67	18.57		
45	QPSK	121	0	18.38	18.55	18.46	19.5	0.0
45	QPSK	121	61	18.49	18.65	18.63	19.5	0.0
45	QPSK	121	121	18.52	18.41	18.55		
45	QPSK	242	0	18.54	18.57	18.56	19.5	0.0
45	16QAM	1	1	18.39	18.49	18.38	19.5	0.0
45	64QAM	1	1	18.31	18.55	18.32	19.5	0.0
45	256QAM	1	1	18.41	18.53	18.36	19.5	0.0
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	18.52	18.60	18.23	19.5	0.0
Channel				373500	376500	379500		
Frequency (MHz)				1867.5	1872.5	1877.5		
35	QPSK	1	1	18.42	18.70	18.29	19.5	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.44	18.89	18.31	19.5	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.45	18.60	18.29	19.5	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1892.5	1905		
20	QPSK	1	1	18.44	18.59	18.35	19.5	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.49	18.61	18.36	19.5	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.44	18.63	18.27	19.5	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.42	18.66	18.32	19.5	0.0

n66 Ant4

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				345500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	18.54	18.44	18.45		
45	PI2 BPSK	1	61	18.49	18.54	18.32	19.5	0.0
45	PI2 BPSK	1	121	18.38	18.49	18.37		
45	PI2 BPSK	121	0	18.39	18.34	18.25	19.5	0.0
45	PI2 BPSK	121	61	18.26	18.36	18.31	19.5	0.0
45	PI2 BPSK	121	121	18.42	18.27	18.37	19.5	0.0
45	PI2 BPSK	242	0	18.35	18.38	18.28		
45	QPSK	1	1	18.25	18.38	18.35		
45	QPSK	1	61	18.51	18.70	18.35	19.5	0.0
45	QPSK	1	121	18.20	18.52	18.43		
45	QPSK	121	0	18.21	18.42	18.25	19.5	0.0
45	QPSK	121	61	18.25	18.49	18.50	19.5	0.0
45	QPSK	121	121	18.35	18.28	18.35		
45	QPSK	242	0	18.31	18.34	18.44	19.5	0.0
45	16QAM	1	1	18.14	18.25	18.13	19.5	0.0
45	64QAM	1	1	18.16	18.36	18.14	19.5	0.0
45	256QAM	1	1	18.23	18.39	18.12	19.5	0.0
Channel				345000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	18.29	18.49	18.22	19.5	0.0
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	18.37	18.50	18.22	19.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.37	18.50	18.22	19.5	0.0
Channel				345500	349000	353500		
Frequency (MHz)				1722.5	1745	1772.5		
25	QPSK	1	1	18.36	18.47	18.19	19.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.39	18.51	18.22	19.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.38	18.52	18.15	19.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.32	18.55	18.13	19.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.33	18.50	18.13	19.5	0.0



EC13 Power for Other PA

n2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	18.98	18.94	18.85	20.0	0.0
30	PI2 BPSK	1	80	19.02	19.00	18.80		
30	PI2 BPSK	1	168	19.98	19.90	18.86		
30	PI2 BPSK	80	0	18.96	18.90	18.80	20.0	0.0
30	PI2 BPSK	80	40	18.78	18.79	18.80	20.0	0.0
30	PI2 BPSK	80	80	18.81	18.89	18.93	20.0	0.0
30	PI2 BPSK	160	0	18.86	18.79	18.76		
30	QPSK	1	1	19.77	18.84	18.90		
30	QPSK	1	80	19.04	19.16	18.76	20.0	0.0
30	QPSK	1	158	18.78	19.00	18.96	20.0	0.0
30	QPSK	80	0	18.64	18.83	18.82		
30	QPSK	80	40	18.89	19.02	19.01		
30	QPSK	80	80	19.90	18.70	18.86	20.0	0.0
30	QPSK	160	0	18.89	18.95	18.90		
30	16QAM	1	1	18.78	18.78	18.73	20.0	0.0
30	64QAM	1	1	18.57	18.91	18.62	20.0	0.0
30	256QAM	1	1	18.80	18.87	18.64	20.0	0.0
Channel				372500	376000	379500		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.98	19.13	18.79	20.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1890	1900		
20	QPSK	1	1	19.00	19.15	18.76	20.0	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.05	19.12	18.75	20.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.97	19.23	18.81	20.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.01	19.08	18.85	20.0	0.0

n25 Ant4

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				374500	376500	378500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	18.83	18.74	18.64	20.0	0.0
45	PI2 BPSK	1	61	18.77	18.91	18.60		
45	PI2 BPSK	1	121	18.71	18.70	18.73		
45	PI2 BPSK	121	0	18.65	18.76	18.56	20.0	0.0
45	PI2 BPSK	121	61	18.65	18.62	18.54	20.0	0.0
45	PI2 BPSK	121	121	18.72	18.65	18.62	20.0	0.0
45	PI2 BPSK	242	0	18.69	18.55	18.63		
45	QPSK	1	1	18.55	18.74	18.63		
45	QPSK	1	61	18.78	18.90	18.61	20.0	0.0
45	QPSK	1	121	18.58	18.80	18.69	20.0	0.0
45	QPSK	121	0	18.55	18.68	18.62		
45	QPSK	121	61	18.59	18.81	18.70		
45	QPSK	121	121	18.62	18.53	18.70	20.0	0.0
45	QPSK	242	0	18.70	18.68	18.61		
45	16QAM	1	1	18.51	18.63	18.48	20.0	0.0
45	64QAM	1	1	18.45	18.72	18.49	20.0	0.0
45	256QAM	1	1	18.56	18.71	18.43	20.0	0.0
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	18.57	18.58	18.56	20.0	0.0
Channel				373500	376500	379500		
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	18.58	18.60	18.61	20.0	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.59	18.64	18.60	20.0	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	18.59	18.69	18.61	20.0	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.62	18.67	18.50	20.0	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.66	18.61	18.53	20.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.81	18.69	18.61	20.0	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.60	18.67	18.51	20.0	0.0

n66 Ant4

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				345500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	19.04	18.94	18.96	20.0	0.0
45	PI2 BPSK	1	61	18.99	19.04	18.82		
45	PI2 BPSK	1	121	18.88	18.99	18.87		
45	PI2 BPSK	121	0	18.89	18.84	18.75	20.0	0.0
45	PI2 BPSK	121	61	18.76	18.86	18.81	20.0	0.0
45	PI2 BPSK	121	121	18.82	18.77	18.87	20.0	0.0
45	PI2 BPSK	242	0	18.85	18.88	18.78		
45	QPSK	1	1	18.75	18.68	18.89		
45	QPSK	1	61	19.01	19.20	18.85	20.0	0.0
45	QPSK	1	121	18.70	19.02	18.89	20.0	0.0
45	QPSK	121	0	18.71	18.92	18.75		
45	QPSK	121	61	18.75	18.99	19.00		
45	QPSK	121	121	18.85	18.78	18.89	20.0	0.0
45	QPSK	242	0	18.81	18.84	18.94		
45	16QAM	1	1	18.64	18.75	18.63	20.0	0.0
45	64QAM	1	1	18.66	18.86	18.84	20.0	0.0
45	256QAM	1	1	18.73	18.89	18.62	20.0	0.0
Channel				345000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	18.79	18.99	18.72	20.0	0.0
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	18.87	19.00	18.72	20.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.87	19.00	18.72	20.0	0.0
Channel				345500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	18.86	18.97	18.69	20.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.89	19.01	18.72	20.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.88	19.02	18.66	20.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.82	19.05	18.63	20.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.83	19.00	18.63	20.0	0.0



n2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	20.56	20.79	20.74		
30	PI2 BPSK	1	53	20.90	20.92	20.91	22.0	0.0
30	PI2 BPSK	1	104	20.79	20.76	20.69		
30	PI2 BPSK	50	0	20.36	20.50	20.46	22.0	0.0
30	PI2 BPSK	50	28	20.78	20.91	20.80		
30	PI2 BPSK	50	56	20.43	20.53	20.48	22.0	0.0
30	PI2 BPSK	100	0	20.46	20.50	20.46		
30	QPSK	1	1	20.78	20.83	20.80		
30	QPSK	1	53	20.83	20.96	20.86	22.0	0.0
30	QPSK	1	104	20.80	20.89	20.84		
30	QPSK	50	0	20.11	20.22	20.25	22.0	0.0
30	QPSK	50	28	20.82	20.93	20.88	22.0	0.0
30	QPSK	50	56	20.10	20.20	20.12		
30	QPSK	100	0	20.60	20.77	20.63	22.0	0.0
30	16QAM	1	1	20.75	20.87	20.77	22.0	0.0
30	64QAM	1	1	19.80	19.86	19.78	21.5	0.5
30	256QAM	1	1	17.74	17.80	17.68	19.5	2.5
Channel				372500	376000	379500		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	20.63	20.84	20.66	22.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.65	20.85	20.72	22.0	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.72	20.85	20.70	22.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.67	20.81	20.66	22.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.61	20.81	20.66	22.0	0.0

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n25 Ant4

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				374500	376500	378500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	20.22	20.33	20.30		
45	PI2 BPSK	1	61	20.97	21.15	21.02	22.0	0.0
45	PI2 BPSK	1	121	20.41	20.42	20.35		
45	PI2 BPSK	121	0	20.46	20.51	20.40	22.0	0.0
45	PI2 BPSK	121	61	20.84	21.03	21.02	22.0	0.0
45	PI2 BPSK	121	121	20.52	20.59	20.55		
45	PI2 BPSK	242	0	20.46	20.65	20.52	22.0	0.0
45	QPSK	1	1	20.57	20.41	20.41		
45	QPSK	1	61	21.14	21.17	21.08	22.0	0.0
45	QPSK	1	121	20.45	20.50	20.43		
45	QPSK	121	0	20.12	20.13	20.11	22.0	0.0
45	QPSK	121	61	20.87	20.73	20.65	22.0	0.0
45	QPSK	121	121	20.10	20.22	20.03		
45	QPSK	242	0	20.45	20.66	20.43	22.0	0.0
45	16QAM	1	1	21.01	21.11	21.05	22.0	0.0
45	64QAM	1	1	19.75	19.84	19.79	21.5	0.5
45	256QAM	1	1	18.27	18.41	18.23	19.5	2.5
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	20.96	20.97	20.92	0.0	0.0
Channel				373500	376500	379500		
Frequency (MHz)				1872.5	1882.5	1892.5		
35	QPSK	1	1	20.92	20.94	20.90	22.0	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.96	20.94	20.84	22.0	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.92	21.01	20.93	22.0	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.94	20.99	20.89	22.0	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.99	20.93	20.90	22.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.88	20.95	20.86	22.0	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.95	21.01	20.93	22.0	0.0

n66 Ant4

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				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	20.27	20.32	20.15		
45	PI2 BPSK	1	61	20.80	20.87	20.76	22.0	0.0
45	PI2 BPSK	1	121	20.17	20.24	20.06		
45	PI2 BPSK	121	0	20.50	20.60	20.42	22.0	0.0
45	PI2 BPSK	121	61	20.70	20.85	20.80	22.0	0.0
45	PI2 BPSK	121	121	20.48	20.50	20.38	22.0	0.0
45	PI2 BPSK	242	0	20.49	20.57	20.51		
45	QPSK	1	1	20.32	20.38	20.19		
45	QPSK	1	61	20.87	20.89	20.88	22.0	0.0
45	QPSK	1	121	20.13	20.22	20.17		
45	QPSK	121	0	20.26	20.21	20.11	22.0	0.0
45	QPSK	121	61	20.84	20.88	20.81	22.0	0.0
45	QPSK	121	121	20.22	20.15	20.15	22.0	0.0
45	QPSK	242	0	20.18	20.35	20.13		
45	16QAM	1	1	20.39	20.59	20.52	22.0	0.0
45	64QAM	1	1	19.80	19.73	19.65	21.5	0.5
45	256QAM	1	1	18.34	18.37	18.33	19.5	2.5
Channel				344000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	20.74	20.73	20.69	22.0	0.0
Channel				343500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.74	20.73	20.69	22.0	0.0
Channel				343000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.71	20.73	20.71	22.0	0.0
Channel				342500	349000	353500		
Frequency (MHz)				1722.5	1745	1772.5		
25	QPSK	1	1	20.72	20.75	20.78	22.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.70	20.75	20.74	22.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.68	20.77	20.71	22.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.75	20.71	20.72	22.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.71	20.75	20.77	22.0	0.0



n2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI2 BPSK	1	1	15.48	15.44	15.35		
30	PI2 BPSK	1	80	15.52	15.50	15.30	16.5	0.0
30	PI2 BPSK	1	168	15.48	15.40	15.36		
30	PI2 BPSK	80	0	15.46	15.40	15.30	16.5	0.0
30	PI2 BPSK	80	40	15.29	15.29	15.30	16.5	0.0
30	PI2 BPSK	80	80	15.31	15.39	15.43		
30	PI2 BPSK	160	0	15.36	15.29	15.28	16.5	0.0
30	QPSK	1	1	15.27	15.41	15.40		
30	QPSK	1	80	15.54	15.68	15.26	16.5	0.0
30	QPSK	1	168	15.28	15.50	15.46		
30	QPSK	80	0	15.14	15.33	15.32	16.5	0.0
30	QPSK	80	40	15.39	15.52	15.51	16.5	0.0
30	QPSK	80	80	15.40	15.20	15.36		
30	QPSK	160	0	15.39	15.45	15.40	16.5	0.0
30	16QAM	1	1	15.29	15.28	15.23	16.5	0.0
30	64QAM	1	1	15.07	15.41	15.12	16.5	0.0
30	256QAM	1	1	15.30	15.37	15.14	16.5	0.0
Channel				372200	376200	379200		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	15.48	15.63	15.29	16.5	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1876	1900		
20	QPSK	1	1	15.50	15.65	15.29	16.5	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.55	15.62	15.25	16.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.47	15.73	15.31	16.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	15.51	15.58	15.35	16.5	0.0

ECIT Power for Other PA

n25 Ant4

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				374500	376500	378500		
Frequency (MHz)				1872.5	1882.5	1892.5		
45	PI2 BPSK	1	1	15.65	15.68	15.56		
45	PI2 BPSK	1	61	15.63	15.74	15.43	16.5	0.0
45	PI2 BPSK	1	121	15.63	15.61	15.57		
45	PI2 BPSK	121	0	15.56	15.58	15.40	16.5	0.0
45	PI2 BPSK	121	61	15.50	15.51	15.44	16.5	0.0
45	PI2 BPSK	121	121	15.55	15.52	15.56		
45	PI2 BPSK	242	0	15.53	15.49	15.50	16.5	0.0
45	QPSK	1	1	15.48	15.57	15.52		
45	QPSK	1	61	15.85	15.84	15.47	16.5	0.0
45	QPSK	1	121	15.45	15.67	15.57		
45	QPSK	121	0	15.38	15.55	15.46	16.5	0.0
45	QPSK	121	61	15.49	15.65	15.63	16.5	0.0
45	QPSK	121	121	15.52	15.41	15.55		
45	QPSK	242	0	15.54	15.57	15.56	16.5	0.0
45	16QAM	1	1	15.39	15.49	15.38	16.5	0.0
45	64QAM	1	1	15.31	15.55	15.32	16.5	0.0
45	256QAM	1	1	15.41	15.53	15.36	16.5	0.0
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	QPSK	1	1	15.62	15.60	15.23	16.5	0.0
Channel				373500	376500	379500		
Frequency (MHz)				1867.5	1872.5	1877.5		
35	QPSK	1	1	15.42	15.70	15.29	16.5	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	15.44	15.89	15.31	16.5	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	15.45	15.60	15.29	16.5	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1892.5	1905		
20	QPSK	1	1	15.44	15.59	15.35	16.5	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	15.49	15.61	15.36	16.5	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	15.44	15.63	15.27	16.5	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	15.42	15.66	15.32	16.5	0.0

n66 Ant4

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				345500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI2 BPSK	1	1	16.04	15.94	15.96		
45	PI2 BPSK	1	61	15.99	16.04	15.82	17.0	0.0
45	PI2 BPSK	1	121	15.88	15.99	15.87		
45	PI2 BPSK	121	0	15.89	15.84	15.75	17.0	0.0
45	PI2 BPSK	121	61	15.76	15.86	15.81	17.0	0.0
45	PI2 BPSK	121	121	15.82	15.77	15.87		
45	PI2 BPSK	242	0	15.85	15.88	15.78	17.0	0.0
45	QPSK	1	1	15.75	15.88	15.89		
45	QPSK	1	61	16.01	16.20	15.85	17.0	0.0
45	QPSK	1	121	15.70	16.02	15.89		
45	QPSK	121	0	15.71	15.92	15.75	17.0	0.0
45	QPSK	121	61	15.75	15.99	16.00	17.0	0.0
45	QPSK	121	121	15.85	15.78	15.89		
45	QPSK	242	0	15.81	15.84	15.94	17.0	0.0
45	16QAM	1	1	15.64	15.75	15.63	17.0	0.0
45	64QAM	1	1	15.66	15.86	15.64	17.0	0.0
45	256QAM	1	1	15.73	15.89	15.62	17.0	0.0
Channel				345000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	1	15.79	15.99	15.72	17.0	0.0
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	15.79	15.99	15.72	17.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.87	16.00	15.72	17.0	0.0
Channel				345500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	15.86	15.97	15.69	17.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.89	16.01	15.72	17.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.88	16.02	15.66	17.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.82	16.05	15.63	17.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.83	16.00	15.63	17.0	0.0

<2.4GHz WLAN>

	Mode	Channel	Full Power			Head Standalone		Head Simultaneous		Body Standalone		Extremity Standalone		Body Simultaneous		Hotspot Simultaneous		Extremity Simultaneous		Duty Cycle %
			Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.36	22.00	18.59	20.00	12.18	14.00	18.12	20.00	19.12	21.00	13.65	15.50	16.56	18.50	15.11	17.00	99.14
		6	2437	19.36	21.00	18.87	20.00	12.45	14.00	18.39	20.00	19.38	21.00	13.89	15.50	16.83	18.50	15.28	17.00	
		11	2462	19.49	21.00	18.96	20.00	12.57	14.00	18.49	20.00	19.49	21.00	14.03	15.50	16.98	18.50	15.39	17.00	
	802.11g 6Mbps	1	2412	19.24	19.50		19.50		14.00	18.24	19.50	18.24	19.50		12.50		18.50		17.00	96.70
		6	2437	20.50	22.00		20.00		14.00	18.18	20.00	19.18	21.00		12.50		18.50		17.00	
		11	2462	18.38	19.50		19.50		14.00	18.38	19.50	18.38	19.50		12.50		18.50		17.00	
	802.11n-HT40 MCS0	1	2412	18.59	18.50	Not Requested	18.50	Not Requested	14.00	18.50	18.50	14.00	18.50	Not Requested	12.50	Not Requested	18.50	Not Requested	17.00	96.75
		6	2437	20.22	22.00		20.00		14.00	Not Requested	20.00	Not Requested	21.00		12.50		18.50		17.00	
		8	2437	20.22	22.00		20.00		14.00	Not Requested	20.00	Not Requested	21.00		12.50		18.50		17.00	
		11	2462	17.76	18.50		18.50		14.00	Not Requested	18.50	Not Requested	18.50		12.50		18.50		17.00	

<5.2GHz WLAN>

	Mode	Channel	Full Power&Head Standalone			Head Simultaneous&Extremity Standalone		Hotspot Simultaneous		Extremity Simultaneous		Body Standalone		Body Simultaneous		Duty Cycle %
			Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.36	21.00	17.71	19.50		12.00			13.50	14.50		9.50	96.98
		40	5200	19.30	21.50	17.89	19.50		12.00			13.50	14.50		9.50	
		44	5220	19.84	21.50	17.54	19.50		12.00			13.50	14.50		9.50	
		48	5240	19.87	21.50	17.51	19.50		12.00			13.50	14.50		9.50	
	802.11n-HT20 MCS0	36	5180	19.15	20.50		19.50		12.00			13.50	14.50		9.50	96.77
		40	5200	19.71	21.50		19.50		12.00			13.50	14.50		9.50	
		44	5220	19.72	21.50		19.50		12.00			13.50	14.50		9.50	
		48	5240	19.68	21.50		19.50	Not Requested	12.00	Not Requested		13.50	14.50	Not Requested	9.50	
	802.11n-HT40 MCS0	36	5180	15.54	17.00		17.00		12.00			13.50	14.50		9.50	93.73
		40	5200	15.66	17.00		17.00		12.00			13.50	14.50		9.50	
		46	5230	19.21	21.00		19.50		12.00			13.50	14.50		9.50	
		48	5200	19.80	21.50		19.50		12.00			13.50	14.50		9.50	
	802.11ac-VHT20 MCS0	44	5220	19.74	21.50		19.50		12.00			13.50	14.50		9.50	96.79
		48	5240	19.73	21.50		19.50		12.00			13.50	14.50		9.50	
		38	5180	16.22	17.50	16.22	17.50		12.00			13.50	14.50		9.50	
		46	5230	17.72	19.50	17.72	19.50		12.00			13.50	14.50		9.50	
	802.11ac-VHT40 MCS0	42	5210	15.08	16.50	15.08	16.50	10.35	12.00	11.86	13.50	13.01	14.50	8.01	9.50	93.71
	802.11ac-VHT80 MCS0	46	5210	15.08	16.50	15.08	16.50	10.35	12.00	11.86	13.50	13.01	14.50	8.01	9.50	88.14

<5.3GHz WLAN>

	Mode	Channel	Full Power&Head Standalone			Head Simultaneous&Extremity Standalone		Extremity Simultaneous		Body Standalone		Body Simultaneous		Duty Cycle %
			Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.86	21.50		19.50		13.50			14.50	9.50	96.98
		56	5280	19.91	21.50		19.50		13.50			14.50	9.50	
		60	5300	19.95	21.50		19.50		13.50			14.50	9.50	
		64	5320	19.91	20.50		19.50		13.50			14.50	9.50	
	802.11n-HT20 MCS0	52	5260	19.59	21.50		19.50		13.50			14.50	9.50	96.77
		56	5280	19.63	21.50		19.50		13.50			14.50	9.50	
		60	5300	19.67	21.50		19.50		13.50			14.50	9.50	
		64	5320	18.82	20.50		19.50		13.50			14.50	9.50	
	802.11n-HT40 MCS0	54	5270	15.66	17.00		17.00		13.50			14.50	9.50	93.73
		62	5310	15.59	17.00		17.00		13.50			14.50	9.50	
		52	5260	19.69	21.50		19.50		13.50			14.50	9.50	
		56	5280	19.67	21.50		19.50		13.50			14.50	9.50	
	802.11ac-VHT20 MCS0	60	5300	19.76	21.50		19.50		13.50			14.50	9.50	96.79
		64	5320	18.91	20.50		19.50		13.50			14.50	9.50	
		54	5270	17.75	18.50	17.75	18.50		13.50			14.50	9.50	
		62	5310	16.16	17.50	16.16	17.50		13.50			14.50	9.50	
	802.11ac-VHT40 MCS0	62	5310	16.16	17.50	16.16	17.50	11.83	13.50	13.19	14.50	8.05	9.50	93.71
	802.11ac-VHT80 MCS0	58	5290	15.69	17.00	15.69	17.00	11.83	13.50	13.19	14.50	8.05	9.50	88.14

<5.5GHz WLAN>

	Mode	Full Power&Head Standalone				Head Simultaneous		Body Standalone		Body Simultaneous		Extremity Simultaneous		Extremity Standalone		Duty Cycle %
		Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.39	20.00		17.00		14.50		10.00		15.50	18.39	20.00	96.98
		116	5580	19.55	21.00		17.00		14.50		10.00		15.50	19.08	20.50	
		124	5620	19.44	21.00		17.00		14.50		10.00		15.50	18.93	20.50	
		132	5660	19.38	21.00		17.00		14.50		10.00		15.50	18.89	20.50	
		140	5700	18.15	19.50		17.00		14.50		10.00		15.50	18.15	19.50	
		144	5720	18.12	19.50		17.00		14.50		10.00		15.50	18.12	19.50	
		100	5500	18.63	20.00		17.00		14.50		10.00		15.50		20.00	
		116	5580	16.61	18.00		17.00		14.50		10.00		15.50		18.00	
	802.11n-HT20 MCS0	124	5620	19.21	21.00		17.00		14.50		10.00		15.50		20.50	96.77
		132	5660	19.19	21.00		17.00		14.50		10.00		15.50		20.50	
		140	5700	18.16	19.50		17.00		14.50		10.00		15.50		19.50	
		144	5720	18.50	20.00		17.00		14.50		10.00		15.50		20.50	
		102	5510	15.28	16.50		16.50		14.50		10.00		15.50		16.50	
		110	5550	15.17	16.50		16.50		14.50		10.00		15.50		16.50	
		126	5630	15.02	16.50	Not Requested	16.50	Not Requested	14.50		10.00	Not Requested	15.50		16.50	
		134	5670	14.69	16.50		16.50		14.50		10.00		15.50		16.50	
	802.11n-HT40 MCS0	142	5710	14.55	16.00		16.00		14.50		10.00		15.50		16.00	93.73
		102	5510	16.09	20.00		17.00		14.50		10.00		15.50		20.00	
		116	5580	16.70	18.00		17.00		14.50		10.00		15.50		18.00	
		124	5620	19.28	21.00		17.00		14.50		10.00		15.50	Not Requested	20.50	
		132	5660	19.26	21.00		17.00		14.50		10.00		15.50		20.50	
		140	5700	18.23	20.00		17.00		14.50		10.00		15.50		20.00	
		144	5720	18.57	20.00		17.00		14.50		10.00		15.50		20.00	
		102	5510	16.86	18.50		17.00		14.50		10.00		15.50		18.50	
	802.11ac-VHT40 MCS0	110	5550	17.08	18.50		17.00		14.50		10.00		15.50		18.50	93.71
126		5630	17.06	18.50		17.00		14.50		10.00		15.50		18.50		
134		5670	16.76	18.50		17.00		14.50		10.00		15.50		18.50		
142		5710	16.62	18.50		17.00		14.50		10.00		15.50		18.50		
106		5530	15.64	17.00	15.64	17.00	12.75	14.50	8.32	10.00	13.62	15.50		17.00		
122		5610	17.27	19.00	15.83	17.00	12.95	14.50	8.33	10.00	14.93	15.50		19.00		
138		5690	17.68	18.50	15.56	17.00	13.05	14.50	8.64	10.00	14.14	15.50		18.50		