Default Power for WWAN Main PA

	GSM850 Ant0 Default							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.20	32.18	32.06	33.50	23.20	23.18	23.06	24.50
GPRS 1 Tx slot	32.15	32.17	32.05	33.50	23.15	23.17	23.05	24.50
GPRS 2 Tx slots	31.10	31.25	31.07	32.50	25.10	25.25	25.07	26.50
GPRS 3 Tx slots	29.30	29.46	29.44	30.50	25.04	25.20	25.18	26.24
GPRS 4 Tx slots	28.23	28.35	28.13	29.50	25.23	25.35	25.13	26.50
EDGE 1 Tx slot	26.32	26.43	26.41	27.50	17.32	17.43	17.41	18.50
EDGE 2 Tx slots	25.16	25.10	25.31	26.00	19.16	19.10	19.31	20.00
EDGE 3 Tx slots	22.88	22.91	22.89	24.00	18.62	18.65	18.63	19.74
EDGE 4 Tx slots	21.38	21.49	21.52	22.50	18.38	18.49	18.52	19.50

	GSM1900 Ant0 Default							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.55	29.56	29.46	30.50	20.55	20.56	20.46	21.50
GPRS 1 Tx slot	29.54	29.56	29.46	30.50	20.54	20.56	20.46	21.50
GPRS 2 Tx slots	28.49	28.58	28.46	29.50	22.49	22.58	22.46	23.50
GPRS 3 Tx slots	26.41	26.41	26.27	27.50	22.15	22.15	22.01	23.24
GPRS 4 Tx slots	25.58	25.59	25.51	26.50	22.58	22.59	22.51	23.50
EDGE 1 Tx slot	25.42	25.31	25.22	26.50	16.42	16.31	16.22	17.50
EDGE 2 Tx slots	24.27	23.87	23.87	25.00	18.27	17.87	17.87	19.00
EDGE 3 Tx slots	22.24	21.84	21.81	23.00	17.98	17.58	17.55	18.74
EDGE 4 Tx slots	20.92	20.79	20.80	22.00	17.92	17.79	17.80	19.00

		WCDMA II Ant0 Default				WCDMA IV Ant0 Default				WCDMA V Ant0 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.52	22.59	22.51	24.00	22.66	22.74	22.66	24.00	22.77	22.84	22.81	24.00
3GPP Rel 99	RMC 12.2Kbps	22.53	22.61	22.59	24.00	22.69	22.76	22.69	24.00	22.80	22.90	22.83	24.00
3GPP Rel 6	HSDPA Subtest-1	21.53	21.69	21.56	23.00	21.71	21.84	21.67	23.00	21.85	21.91	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	21.55	21.58	21.54	23.00	21.65	21.73	21.61	23.00	21.75	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.16	21.11	22.50	21.17	21.33	21.24	22.50	21.30	21.35	21.33	22.50
3GPP Rel 6	HSDPA Subtest-4	20.97	21.02	21.06	22.50	21.07	21.09	21.16	22.50	21.09	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.53	21.67	21.56	23.00	21.69	21.71	21.71	23.00	21.79	21.77	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.44	21.63	21.47	23.00	21.58	21.80	21.55	23.00	21.71	21.84	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.96	21.14	21.04	22.50	21.08	21.28	21.21	22.50	21.20	21.35	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.93	21.07	20.94	22.50	21.05	21.11	21.06	22.50	21.15	21.19	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	21.46	21.56	21.54	23.00	21.55	21.63	21.63	23.00	21.67	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-2	19.58	19.68	19.59	21.00	19.65	19.80	19.71	21.00	19.70	19.80	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.70	20.69	20.65	22.00	20.83	20.78	20.78	22.00	20.95	20.85	20.91	22.00
3GPP Rel 6	HSUPA Subtest-4	19.48	19.59	19.45	21.00	19.58	19.70	19.62	21.00	19.67	19.79	19.63	21.00
3GPP Rel 6	HSUPA Subtest-5	21.47	21.60	21.52	23.00	21.57	21.75	21.69	23.00	21.64	21.85	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.09	19.31	19.09	20.50	19.20	19.34	19.29	20.50	19.31	19.52	19.36	20.50

Band 2 Ant0 Default

BW [MHz]	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)				1860	1880	1900		
20	QPSK	1	0	22.09	22.16	22.11	24	0
20	QPSK	1	49	22.02	22.06	22.01		
20	QPSK	1	99	22.02	22.03	22.01		
20	QPSK	50	0	21.12	21.15	21.07	23	1
20	QPSK	50	24	21.05	21.08	21.05		
20	QPSK	50	50	21.03	21.04	21.02		
20	QPSK	100	0	21.03	21.04	21.01		
20	16QAM	1	0	21.02	21.02	21.03	23	1
20	16QAM	1	49	21.02	21.01	21.00		
20	16QAM	1	99	21.03	21.03	21.02		
20	16QAM	50	0	20.07	20.19	20.08	22	2
20	16QAM	50	24	20.07	20.14	20.01		
20	16QAM	50	50	20.11	20.17	20.04		
20	16QAM	100	0	20.09	20.18	20.05		
20	64QAM	1	0	20.12	20.22	20.17	22	2
20	64QAM	1	49	20.11	20.15	20.08		
20	64QAM	1	99	20.07	20.13	20.04		
20	64QAM	50	0	19.12	19.22	19.09	21	3
20	64QAM	50	24	19.06	19.16	19.04		
20	64QAM	50	50	19.16	19.18	19.06		
20	64QAM	100	0	19.11	19.21	19.08		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.06	22.12	22.05	24	0
15	QPSK	1	37	22.01	22.02	22.03		
15	QPSK	1	74	22.03	22.00	22.01		
15	QPSK	36	0	21.04	21.10	21.01	23	1
15	QPSK	36	20	21.01	21.04	21.02		
15	QPSK	36	39	21.03	21.01	21.01		
15	QPSK	75	0	21.00	21.02	21.01		
15	16QAM	1	0	21.05	21.03	21.01	23	1
15	16QAM	1	37	21.01	21.01	21.02		
15	16QAM	1	74	21.03	21.00	21.01		
15	16QAM	36	0	20.00	20.15	20.01	22	2
15	16QAM	36	20	20.04	20.10	20.02		
15	16QAM	36	39	20.07	20.10	20.02		
15	16QAM	75	0	20.05	20.15	20.03		
15	64QAM	1	0	20.08	20.20	20.13	22	2
15	64QAM	1	37	20.06	20.09	20.00		
15	64QAM	1	74	20.02	20.09	20.01		
15	64QAM	36	0	19.07	19.16	19.05	21	3
15	64QAM	36	20	19.01	19.10	19.15		
15	64QAM	36	39	19.13	19.12	19.03		
15	64QAM	75	0	19.07	19.14	19.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.03	22.13	22.06	24	0
10	QPSK	1	25	22.02	22.01	22.02		
10	QPSK	1	49	22.03	22.01	22.02		
10	QPSK	25	0	21.03	21.09	21.03	23	1
10	QPSK	25	12	21.03	21.01	21.01		
10	QPSK	25	25	21.03	21.01	21.00		
10	QPSK	50	0	21.03	21.02	21.00		
10	16QAM	1	0	21.02	21.00	21.03	23	1
10	16QAM	1	25	21.03	21.01	21.02		
10	16QAM	1	49	21.03	21.02	21.02		
10	16QAM	25	0	20.03	20.17	20.03	22	2
10	16QAM	25	12	20.01	20.12	20.04		
10	16QAM	25	25	20.05	20.09	20.01		
10	16QAM	50	0	20.04	20.13	20.00		
10	64QAM	1	0	20.08	20.20	20.15	22	2
10	64QAM	1	25	20.04	20.08	20.10		
10	64QAM	1	49	20.02	20.06	20.00		
10	64QAM	25	0	19.09	19.17	19.07	21	3
10	64QAM	25	12	19.02	19.09	19.12		
10	64QAM	25	25	19.11	19.09	19.03		
10	64QAM	50	0	19.04	19.15	19.05		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.03	22.09	22.04	24	0
5	QPSK	1	12	22.03	22.01	22.02		
5	QPSK	1	24	22.03	22.01	22.02		
5	QPSK	12	0	21.05	21.07	21.02	23	1
5	QPSK	12	7	21.01	21.05	21.03		
5	QPSK	12	13	21.04	21.02	21.00		
5	QPSK	25	0	21.01	21.03	21.01		
5	16QAM	1	0	21.02	21.01	21.00	23	1
5	16QAM	1	12	21.02	21.03	21.01		
5	16QAM	1	24	21.02	21.01	21.01		
5	16QAM	12	0	20.05	20.13	20.02	22	2
5	16QAM	12	7	20.04	20.10	20.01		
5	16QAM	12	13	20.04	20.12	20.03		
5	16QAM	25	0	20.02	20.17	20.02		
5	64QAM	1	0	20.07	20.20	20.13	22	2
5	64QAM	1	12	20.05	20.09	20.02		
5	64QAM	1	24	20.03	20.10	20.03		
5	64QAM	12	0	19.08	19.17	19.02	21	3
5	64QAM	12	7	19.00	19.08	19.14		
5	64QAM	12	13	19.13	19.11	19.05		
5	64QAM	25	0	19.06	19.13	19.05		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.06	22.09	22.03	24	0
3	QPSK	1	8	22.00	22.01	22.03		
3	QPSK	1	14	22.00	22.01	22.03		
3	QPSK	8	0	21.04	21.12	21.05	23	1
3	QPSK	8	4	21.03	21.06	21.04		
3	QPSK	8	7	21.05	21.01	21.03		
3	QPSK	15	0	21.01	21.01	21.02		
3	16QAM	1	0	21.04	21.02	21.01	23	1
3	16QAM	1	8	21.02	21.03	21.04		
3	16QAM	1	14	21.04	21.02	21.01		
3	16QAM	8	0	20.05	20.14	20.00	22	2
3	16QAM	8	4	20.02	20.12	20.03		
3	16QAM	8	7	20.07	20.07	20.00		
3	16QAM	15	0	20.07	20.13	20.03		
3	64QAM	1	0	20.09	20.17	20.11	22	2
3	64QAM	1	8	20.06	20.09	20.00		
3	64QAM	1	14	20.01	20.10	20.03		
3	64QAM	8	0	19.08	19.13	19.02	21	3
3	64QAM	8	4	19.00	19.11	19.16		
3	64QAM	8	7	19.15	19.12	19.04		
3	64QAM	15	0	19.06	19.12	19.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.07	22.13	22.02	24	0
1.4	QPSK	1	3	22.00	22.04	22.05		
1.4	QPSK	1	5	22.05	22.02	22.01		
1.4	QPSK	3	0	22.10	22.02	22.00		
1.4	QPSK	3	1	22.04	22.03	22.01		
1.4	QPSK	3	3	22.05	22.01	22.01		
1.4	QPSK	6	0	21.00	21.01	21.01	23	1
1.4	16QAM	1	0	21.03	21.03	21.00	23	1
1.4	16QAM	1	3	21.02	21.02	21.03		
1.4	16QAM	1	5	21.03	21.01	21.00		
1.4	16QAM	3	0	22.02	22.01	22.02		
1.4	16QAM	3	1	22.01	22.02	21.99		
1.4	16QAM	3	3	21.06	21.08	21.01		
1.4	16QAM	6	0	20.04	20.13	20.05	22	2
1.4	64QAM	1	0	20.07	20.20	20.11	22	2
1.4	64QAM	1	3	20.05	20.08	20.03		
1.4	64QAM	1	5	20.01	20.11	20.01		
1.4	64QAM	3	0	21.01	21.02	20.99		
1.4	64QAM	3	1	21.05	21.01	20.98		
1.4	64QAM	3	3	20.98	20.99	21.00		
1.4	64QAM	6	0	19.09	19.16	19.01	21	3

Band 4 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.52	21.69	21.63	23.5	0
20	QPSK	1	49	21.51	21.56	21.52		
20	QPSK	1	99	21.52	21.51	21.53		
20	QPSK	50	0	20.57	20.78	20.76	22.5	1
20	QPSK	50	24	20.65	20.64	20.61		
20	QPSK	50	50	20.53	20.64	20.62		
20	QPSK	100	0	20.60	20.68	20.62		
20	16QAM	1	0	20.54	20.66	20.56	22.5	1
20	16QAM	1	49	20.56	20.60	20.55		
20	16QAM	1	99	20.51	20.59	20.50		
20	16QAM	50	0	19.55	19.71	19.61	21.5	2
20	16QAM	50	24	19.58	19.65	19.55		
20	16QAM	50	50	19.53	19.70	19.52		
20	16QAM	100	0	19.51	19.65	19.54		
20	64QAM	1	0	19.72	19.79	19.73	21.5	2
20	64QAM	1	49	19.70	19.76	19.58		
20	64QAM	1	99	19.62	19.74	19.60		
20	64QAM	50	0	18.61	18.72	18.61	20.5	3
20	64QAM	50	24	18.53	18.60	18.53		
20	64QAM	50	50	18.59	18.69	18.58		
20	64QAM	100	0	18.51	18.60	18.53		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.51	21.60	21.64	23.5	0
15	QPSK	1	37	21.51	21.53	21.52		
15	QPSK	1	74	21.53	21.51	21.55		
15	QPSK	36	0	20.59	20.72	20.74	22.5	1
15	QPSK	36	20	20.61	20.66	20.57		
15	QPSK	36	39	20.53	20.65	20.62		
15	QPSK	75	0	20.60	20.65	20.64		
15	16QAM	1	0	20.54	20.63	20.60	22.5	1
15	16QAM	1	37	20.57	20.61	20.65		
15	16QAM	1	74	20.66	20.60	20.61		
15	16QAM	36	0	19.54	19.70	19.64	21.5	2
15	16QAM	36	20	19.60	19.64	19.53		
15	16QAM	36	39	19.53	19.72	19.55		
15	16QAM	75	0	19.51	19.67	19.51		
15	64QAM	1	0	19.75	19.79	19.73	21.5	2
15	64QAM	1	37	19.70	19.75	19.62		
15	64QAM	1	74	19.61	19.74	19.63		
15	64QAM	36	0	18.60	18.71	18.66	20.5	3
15	64QAM	36	20	18.50	18.61	18.55		
15	64QAM	36	39	18.56	18.68	18.59		
15	64QAM	75	0	18.56	18.62	18.51		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.53	21.59	21.61	23.5	0
10	QPSK	1	25	21.52	21.53	21.51		
10	QPSK	1	49	21.55	21.52	21.53		
10	QPSK	25	0	20.60	20.72	20.71	22.5	1
10	QPSK	25	12	20.61	20.64	20.57		
10	QPSK	25	25	20.50	20.68	20.61		
10	QPSK	50	0	20.65	20.67	20.66		
10	16QAM	1	0	20.55	20.64	20.61	22.5	1
10	16QAM	1	25	20.60	20.63	20.61		
10	16QAM	1	49	20.63	20.57	20.55		
10	16QAM	25	0	19.57	19.72	19.60	21.5	2
10	16QAM	25	12	19.56	19.66	19.54		
10	16QAM	25	25	19.52	19.73	19.52		
10	16QAM	50	0	19.51	19.64	19.50		
10	64QAM	1	0	19.76	19.76	19.67	21.5	2
10	64QAM	1	25	19.69	19.73	19.59		
10	64QAM	1	49	19.58	19.76	19.64		
10	64QAM	25	0	18.60	18.75	18.63	20.5	3
10	64QAM	25	12	18.51	18.63	18.56		
10	64QAM	25	25	18.58	18.71	18.59		
10	64QAM	50	0	18.51	18.58	18.55		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.53	21.61	21.60	23.5	0
5	QPSK	1	12	21.53	21.56	21.51		
5	QPSK	1	24	21.55	21.53	21.50		
5	QPSK	12	0	20.58	20.76	20.72	22.5	1
5	QPSK	12	7	20.63	20.68	20.57		
5	QPSK	12	13	20.50	20.65	20.59		
5	QPSK	25	0	20.61	20.70	20.64		
5	16QAM	1	0	20.52	20.64	20.58	22.5	1
5	16QAM	1	12	20.57	20.60	20.55		
5	16QAM	1	24	20.65	20.61	20.56		
5	16QAM	12	0	19.53	19.72	19.59	21.5	2
5	16QAM	12	7	19.55	19.68	19.54		
5	16QAM	12	13	19.57	19.69	19.52		
5	16QAM	25	0	19.50	19.65	19.51		
5	64QAM	1	0	19.72	19.76	19.69	21.5	2
5	64QAM	1	12	19.69	19.78	19.60		
5	64QAM	1	24	19.59	19.71	19.60		
5	64QAM	12	0	18.59	18.74	18.66	20.5	3
5	64QAM	12	7	18.57	18.61	18.53		
5	64QAM	12	13	18.55	18.69	18.60		
5	64QAM	25	0	18.51	18.58	18.55		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.52	21.65	21.61	23.5	0
3	QPSK	1	8	21.50	21.57	21.52		
3	QPSK	1	14	21.55	21.50	21.51		
3	QPSK	8	0	20.59	20.75	20.75	22.5	1
3	QPSK	8	4	20.62	20.67	20.57		
3	QPSK	8	7	20.53	20.64	20.61		
3	QPSK	15	0	20.62	20.66	20.64		
3	16QAM	1	0	20.50	20.66	20.58	22.5	1
3	16QAM	1	8	20.59	20.64	20.55		
3	16QAM	1	14	20.53	20.57	20.51		
3	16QAM	8	0	19.57	19.75	19.62	21.5	2
3	16QAM	8	4	19.60	19.68	19.54		
3	16QAM	8	7	19.57	19.71	19.56		
3	16QAM	15	0	19.52	19.67	19.55		
3	64QAM	1	0	19.72	19.76	19.72	21.5	2
3	64QAM	1	8	19.69	19.76	19.58		
3	64QAM	1	14	19.60	19.74	19.64		
3	64QAM	8	0	18.61	18.75	18.62	20.5	3
3	64QAM	8	4	18.51	18.59	18.56		
3	64QAM	8	7	18.61	18.67	18.55		
3	64QAM	15	0	18.55	18.63	18.53		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.52	21.63	21.61	23.5	0
1.4	QPSK	1	3	21.55	21.53	21.55		
1.4	QPSK	1	5	21.53	21.51	21.52		
1.4	QPSK	3	0	21.50	21.59	21.61		
1.4	QPSK	3	1	21.53	21.57	21.51		
1.4	QPSK	3	3	21.55	21.51	21.51		
1.4	QPSK	6	0	20.59	20.69	20.66	22.5	1
1.4	16QAM	1	0	20.53	20.65	20.61	22.5	1
1.4	16QAM	1	3	20.56	20.59	20.51		
1.4	16QAM	1	5	20.65	20.60	20.56		
1.4	16QAM	3	0	20.60	20.64	20.58		
1.4	16QAM	3	1	20.51	20.66	20.57		
1.4	16QAM	3	3	20.59	20.66	20.63		
1.4	16QAM	6	0	19.61	19.67	19.53	21.5	2
1.4	64QAM	1	0	19.72	19.78	19.69	21.5	2
1.4	64QAM	1	3	19.67	19.74	19.63		
1.4	64QAM	1	5	19.62	19.73	19.62		
1.4	64QAM	3	0	19.76	19.77	19.72		
1.4	64QAM	3	1	19.66	19.78	19.60		
1.4	64QAM	3	3	19.62	19.72	19.61		
1.4	64QAM	6	0	18.59	18.58	18.51	20.5	3

Band 12 Ant0 Default

BW [MHz]	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	22.60	22.67	22.63	24	0
10	QPSK	1	25	22.54	22.57	22.47		
10	QPSK	1	49	22.37	22.56	22.48		
10	QPSK	25	0	21.56	21.62	21.47	23	1
10	QPSK	25	12	21.54	21.58	21.42		
10	QPSK	25	25	21.40	21.50	21.46		
10	QPSK	50	0	21.54	21.58	21.49		
10	16QAM	1	0	21.43	21.48	21.47	23	1
10	16QAM	1	25	21.29	21.46	21.41		
10	16QAM	1	49	21.27	21.38	21.26		
10	16QAM	25	0	20.59	20.64	20.59	22	2
10	16QAM	25	12	20.50	20.53	20.40		
10	16QAM	25	25	20.48	20.56	20.49		
10	16QAM	50	0	20.51	20.58	20.45		
10	64QAM	1	0	20.53	20.63	20.53	22	2
10	64QAM	1	25	20.55	20.61	20.50		
10	64QAM	1	49	20.49	20.55	20.51		
10	64QAM	25	0	19.54	19.56	19.48	21	3
10	64QAM	25	12	19.36	19.50	19.47		
10	64QAM	25	25	19.44	19.54	19.42		
10	64QAM	50	0	19.41	19.55	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.63	22.59	24	0
5	QPSK	1	12	22.52	22.53	22.43		
5	QPSK	1	24	22.31	22.49	22.45		
5	QPSK	12	0	21.51	21.56	21.42	23	1
5	QPSK	12	7	21.46	21.52	21.36		
5	QPSK	12	13	21.37	21.47	21.42		
5	QPSK	25	0	21.50	21.55	21.46		
5	16QAM	1	0	21.35	21.44	21.44	23	1
5	16QAM	1	12	21.25	21.38	21.34		
5	16QAM	1	24	21.19	21.31	21.22		
5	16QAM	12	0	20.57	20.59	20.56	22	2
5	16QAM	12	7	20.45	20.47	20.35		
5	16QAM	12	13	20.44	20.50	20.42		
5	16QAM	25	0	20.43	20.56	20.42		
5	64QAM	1	0	20.48	20.56	20.49	22	2
5	64QAM	1	12	20.50	20.56	20.46		
5	64QAM	1	24	20.44	20.52	20.43		
5	64QAM	12	0	19.51	19.48	19.40	21	3
5	64QAM	12	7	19.28	19.44	19.40		
5	64QAM	12	13	19.41	19.50	19.39		
5	64QAM	25	0	19.38	19.48	19.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.54	22.64	22.57	24	0
3	QPSK	1	8	22.48	22.53	22.44		
3	QPSK	1	14	22.33	22.52	22.41		
3	QPSK	8	0	21.53	21.55	21.41	23	1
3	QPSK	8	4	21.46	21.56	21.39		
3	QPSK	8	7	21.34	21.42	21.43		
3	QPSK	15	0	21.47	21.55	21.44		
3	16QAM	1	0	21.38	21.44	21.40	23	1
3	16QAM	1	8	21.27	21.41	21.37		
3	16QAM	1	14	21.25	21.33	21.22		
3	16QAM	8	0	20.53	20.56	20.53	22	2
3	16QAM	8	4	20.42	20.45	20.35		
3	16QAM	8	7	20.42	20.51	20.42		
3	16QAM	15	0	20.46	20.55	20.40		
3	64QAM	1	0	20.46	20.58	20.47	22	2
3	64QAM	1	8	20.50	20.54	20.46		
3	64QAM	1	14	20.42	20.47	20.48		
3	64QAM	8	0	19.46	19.50	19.42	21	3
3	64QAM	8	4	19.31	19.46	19.40		
3	64QAM	8	7	19.38	19.47	19.34		
3	64QAM	15	0	19.33	19.51	19.47		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.56	22.62	22.57	24	0
1.4	QPSK	1	3	22.49	22.52	22.39		
1.4	QPSK	1	5	22.32	22.49	22.44		
1.4	QPSK	3	0	22.53	22.64	22.59		
1.4	QPSK	3	1	22.50	22.50	22.40		
1.4	QPSK	3	3	22.29	22.48	22.42		
1.4	QPSK	6	0	21.46	21.51	21.41	23	1
1.4	16QAM	1	0	21.40	21.42	21.42	23	1
1.4	16QAM	1	3	21.21	21.41	21.37		
1.4	16QAM	1	5	21.22	21.35	21.20		
1.4	16QAM	3	0	21.37	21.41	21.39		
1.4	16QAM	3	1	21.26	21.42	21.33		
1.4	16QAM	3	3	21.23	21.35	21.22		
1.4	16QAM	6	0	20.46	20.51	20.38	22	2
1.4	64QAM	1	0	20.45	20.57	20.49	22	2
1.4	64QAM	1	3	20.50	20.58	20.47		
1.4	64QAM	1	5	20.42	20.52	20.47		
1.4	64QAM	3	0	20.44	20.52	20.47		
1.4	64QAM	3	1	20.48	20.50	20.39		
1.4	64QAM	3	3	20.47	20.56	20.49		
1.4	64QAM	6	0	19.39	19.51	19.45	21	3

Band 17 Ant0 Default

BW [MHz]	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	22.52	22.68	22.59	24	0
10	QPSK	1	25	22.50	22.51	22.45		
10	QPSK	1	49	22.34	22.52	22.46		
10	QPSK	25	0	21.49	21.56	21.41	23	1
10	QPSK	25	12	21.49	21.52	21.39		
10	QPSK	25	25	21.34	21.47	21.44		
10	QPSK	50	0	21.44	21.51	21.36		
10	16QAM	1	0	21.42	21.45	21.42	23	1
10	16QAM	1	25	21.19	21.38	21.34		
10	16QAM	1	49	21.22	21.30	21.23		
10	16QAM	25	0	20.54	20.51	20.53	22	2
10	16QAM	25	12	20.47	20.49	20.34		
10	16QAM	25	25	20.42	20.57	20.45		
10	16QAM	50	0	20.40	20.52	20.46		
10	64QAM	1	0	20.42	20.56	20.43	22	2
10	64QAM	1	25	20.47	20.57	20.39		
10	64QAM	1	49	20.45	20.48	20.39		
10	64QAM	25	0	19.52	19.51	19.42	21	3
10	64QAM	25	12	19.34	19.44	19.40		
10	64QAM	25	25	19.36	19.48	19.32		
10	64QAM	50	0	19.43	19.50	19.46		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.51	22.65	22.56	24	0
5	QPSK	1	12	22.45	22.47	22.45		
5	QPSK	1	24	22.29	22.51	22.44		
5	QPSK	12	0	21.45	21.55	21.38	23	1
5	QPSK	12	7	21.44	21.52	21.38		
5	QPSK	12	13	21.29	21.43	21.43		
5	QPSK	25	0	21.40	21.48	21.31		
5	16QAM	1	0	21.42	21.40	21.40	23	1
5	16QAM	1	12	21.17	21.36	21.32		
5	16QAM	1	24	21.22	21.27	21.22		
5	16QAM	12	0	20.54	20.46	20.50	22	2
5	16QAM	12	7	20.42	20.45	20.34		
5	16QAM	12	13	20.40	20.53	20.40		
5	16QAM	25	0	20.35	20.51	20.41		
5	64QAM	1	0	20.37	20.54	20.41	22	2
5	64QAM	1	12	20.43	20.57	20.34		
5	64QAM	1	24	20.40	20.47	20.37		
5	64QAM	12	0	19.49	19.47	19.39	21	3
5	64QAM	12	7	19.34	19.40	19.37		
5	64QAM	12	13	19.35	19.47	19.29		
5	64QAM	25	0	19.41	19.51	19.47		

Band 26 Ant0 Default

BW [MHz]	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	22.65	22.80	22.74	24	0
15	QPSK	1	37	22.76	22.78	22.58		
15	QPSK	1	74	22.51	22.57	22.58		
15	QPSK	36	0	21.76	22.01	21.87	23	1
15	QPSK	36	20	21.76	21.85	21.73		
15	QPSK	36	39	21.76	21.76	21.74		
15	QPSK	75	0	21.76	21.95	21.91		
15	16QAM	1	0	21.66	21.86	21.73	23	1
15	16QAM	1	37	21.77	21.78	21.64		
15	16QAM	1	74	21.63	21.79	21.62		
15	16QAM	36	0	20.79	20.93	20.83	22	2
15	16QAM	36	20	20.77	20.82	20.72		
15	16QAM	36	39	20.72	20.87	20.73		
15	16QAM	75	0	20.70	20.82	20.78		
15	64QAM	1	0	20.80	21.04	20.79	22	2
15	64QAM	1	37	20.82	20.96	20.80		
15	64QAM	1	74	20.75	20.92	20.81		
15	64QAM	36	0	19.77	19.96	19.79	21	3
15	64QAM	36	20	19.70	19.83	19.59		
15	64QAM	36	39	19.69	19.77	19.83		
15	64QAM	75	0	19.67	19.66	19.75		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.55	22.72	22.66	24	0
10	QPSK	1	25	22.67	22.69	22.48		
10	QPSK	1	49	22.42	22.49	22.49		
10	QPSK	25	0	21.68	21.93	21.79	23	1
10	QPSK	25	12	21.66	21.77	21.64		
10	QPSK	25	25	21.66	21.66	21.65		
10	QPSK	50	0	21.67	21.87	21.82		
10	16QAM	1	0	21.56	21.77	21.63	23	1
10	16QAM	1	25	21.69	21.70	21.54		
10	16QAM	1	49	21.55	21.71	21.54		
10	16QAM	25	0	20.71	20.84	20.75	22	2
10	16QAM	25	12	20.68	20.74	20.62		
10	16QAM	25	25	20.62	20.77	20.65		
10	16QAM	50	0	20.60	20.73	20.70		
10	64QAM	1	0	20.71	20.95	20.70	22	2
10	64QAM	1	25	20.72	20.88	20.72		
10	64QAM	1	49	20.66	20.82	20.72		
10	64QAM	25	0	19.69	19.87	19.71	21	3
10	64QAM	25	12	19.62	19.74	19.49		
10	64QAM	25	25	19.60	19.69	19.73		
10	64QAM	50	0	19.58	19.56	19.66		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.56	22.72	22.66	24	0
5	QPSK	1	12	22.68	22.68	22.49		
5	QPSK	1	24	22.43	22.48	22.50		
5	QPSK	12	0	21.66	21.91	21.79	23	1
5	QPSK	12	7	21.68	21.77	21.63		
5	QPSK	12	13	21.67	21.67	21.64		
5	QPSK	25	0	21.67	21.85	21.83		
5	16QAM	1	0	21.58	21.78	21.63	23	1
5	16QAM	1	12	21.69	21.68	21.55		
5	16QAM	1	24	21.55	21.71	21.52		
5	16QAM	12	0	20.71	20.85	20.75	22	2
5	16QAM	12	7	20.69	20.72	20.62		
5	16QAM	12	13	20.64	20.78	20.63		
5	16QAM	25	0	20.61	20.73	20.70		
5	64QAM	1	0	20.72	20.95	20.71	22	2
5	64QAM	1	12	20.72	20.86	20.71		
5	64QAM	1	24	20.66	20.82	20.72		
5	64QAM	12	0	19.67	19.87	19.69	21	3
5	64QAM	12	7	19.60	19.75	19.50		
5	64QAM	12	13	19.61	19.67	19.75		
5	64QAM	25	0	19.59	19.56	19.67		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.55	22.72	22.65	24	0
3	QPSK	1	8	22.67	22.69	22.50		
3	QPSK	1	14	22.42	22.49	22.50		
3	QPSK	8	0	21.66	21.92	21.79	23	1
3	QPSK	8	4	21.66	21.75	21.64		
3	QPSK	8	7	21.68	21.66	21.66		
3	QPSK	15	0	21.66	21.86	21.81		
3	16QAM	1	0	21.56	21.77	21.65	23	1
3	16QAM	1	8	21.69	21.68	21.56		
3	16QAM	1	14	21.53	21.70	21.54		
3	16QAM	8	0	20.70	20.84	20.74	22	2
3	16QAM	8	4	20.67	20.74	20.64		
3	16QAM	8	7	20.62	20.79	20.63		
3	16QAM	15	0	20.61	20.72	20.69		
3	64QAM	1	0	20.71	20.94	20.71	22	2
3	64QAM	1	8	20.72	20.87	20.70		
3	64QAM	1	14	20.67	20.84	20.72		
3	64QAM	8	0	19.68	19.86	19.71	21	3
3	64QAM	8	4	19.62	19.74	19.49		
3	64QAM	8	7	19.61	19.69	19.75		
3	64QAM	15	0	19.59	19.57	19.67		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.55	22.72	22.66	24	0
1.4	QPSK	1	3	22.66	22.70	22.50		
1.4	QPSK	1	5	22.41	22.48	22.49		
1.4	QPSK	3	0	22.55	22.72	22.64		
1.4	QPSK	3	1	22.68	22.69	22.47		
1.4	QPSK	3	3	22.38	22.45	22.48		
1.4	QPSK	6	0	21.68	21.86	21.83	23	1
1.4	16QAM	1	0	21.58	21.76	21.64	23	1
1.4	16QAM	1	3	21.68	21.68	21.54		
1.4	16QAM	1	5	21.53	21.70	21.52		
1.4	16QAM	3	0	21.55	21.72	21.68		
1.4	16QAM	3	1	21.66	21.69	21.50		
1.4	16QAM	3	3	21.44	21.49	21.46		
1.4	16QAM	6	0	20.60	20.73	20.70	22	2
1.4	64QAM	1	0	20.70	20.96	20.71	22	2
1.4	64QAM	1	3	20.73	20.88	20.72		
1.4	64QAM	1	5	20.65	20.83	20.72		
1.4	64QAM	3	0	20.53	20.72	20.66		
1.4	64QAM	3	1	20.67	20.71	20.48		
1.4	64QAM	3	3	20.43	20.49	20.49		
1.4	64QAM	6	0	19.58	19.58	19.65	21	3

Band 38 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.71	22.79	22.65	24	0
20	QPSK	1	49	22.70	22.78	22.65		
20	QPSK	1	99	22.67	22.75	22.61		
20	QPSK	50	0	22.02	22.12	21.97	23	1
20	QPSK	50	24	21.99	22.11	21.94		
20	QPSK	50	50	22.02	22.09	21.95		
20	QPSK	100	0	21.99	22.09	21.93		
20	16QAM	1	0	22.01	22.11	21.92	23	1
20	16QAM	1	49	22.00	22.08	21.94		
20	16QAM	1	99	22.01	22.11	21.94		
20	16QAM	50	0	20.98	21.09	20.97	22	2
20	16QAM	50	24	21.00	21.11	20.97		
20	16QAM	50	50	21.00	21.10	20.93		
20	16QAM	100	0	21.02	21.11	20.93		
20	64QAM	1	0	21.02	21.10	20.95	22	2
20	64QAM	1	49	21.00	21.07	20.95		
20	64QAM	1	99	21.03	21.11	20.96		
20	64QAM	50	0	19.99	20.09	19.95	21	3
20	64QAM	50	24	20.00	20.08	19.93		
20	64QAM	50	50	20.01	20.08	19.93		
20	64QAM	100	0	20.02	20.10	19.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.63	22.70	22.59	24	0
15	QPSK	1	37	22.63	22.69	22.60		
15	QPSK	1	74	22.56	22.69	22.53		
15	QPSK	36	0	21.97	22.03	21.86	23	1
15	QPSK	36	20	21.90	22.03	21.87		
15	QPSK	36	39	21.93	22.02	21.85		
15	QPSK	75	0	21.89	22.03	21.84		
15	16QAM	1	0	21.95	22.02	21.83	23	1
15	16QAM	1	37	21.89	21.99	21.85		
15	16QAM	1	74	21.91	22.01	21.86		
15	16QAM	36	0	20.92	21.01	20.87	22	2
15	16QAM	36	20	20.94	21.03	20.88		
15	16QAM	36	39	20.91	21.01	20.88		
15	16QAM	75	0	20.92	21.00	20.86		
15	64QAM	1	0	20.94	21.00	20.85	22	2
15	64QAM	1	37	20.91	20.99	20.86		
15	64QAM	1	74	20.95	21.01	20.87		
15	64QAM	36	0	19.91	20.00	19.89	21	3
15	64QAM	36	20	19.90	20.01	19.85		
15	64QAM	36	39	19.93	20.02	19.83		
15	64QAM	75	0	19.91	20.00	19.83		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.62	22.70	22.55	24	0
10	QPSK	1	25	22.61	22.67	22.60		
10	QPSK	1	49	22.61	22.66	22.52		
10	QPSK	25	0	21.93	22.06	21.92	23	1
10	QPSK	25	12	21.93	22.05	21.83		
10	QPSK	25	25	21.93	22.00	21.89		
10	QPSK	50	0	21.93	22.04	21.86		
10	16QAM	1	0	21.93	22.03	21.83	23	1
10	16QAM	1	25	21.90	22.02	21.84		
10	16QAM	1	49	21.94	22.03	21.85		
10	16QAM	25	0	20.92	21.03	20.88	22	2
10	16QAM	25	12	20.90	21.04	20.90		
10	16QAM	25	25	20.92	21.01	20.83		
10	16QAM	50	0	20.96	21.01	20.82		
10	64QAM	1	0	20.97	21.04	20.89	22	2
10	64QAM	1	25	20.94	20.99	20.89		
10	64QAM	1	49	20.96	21.00	20.90		
10	64QAM	25	0	19.94	20.00	19.88	21	3
10	64QAM	25	12	19.90	19.97	19.86		
10	64QAM	25	25	19.91	19.97	19.82		
10	64QAM	50	0	19.92	20.02	19.83		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.60	22.69	22.58	24	0
5	QPSK	1	12	22.61	22.69	22.59		
5	QPSK	1	24	22.59	22.69	22.55		
5	QPSK	12	0	21.96	22.04	21.88	23	1
5	QPSK	12	7	21.92	22.03	21.87		
5	QPSK	12	13	21.94	22.03	21.85		
5	QPSK	25	0	21.93	21.99	21.88		
5	16QAM	1	0	21.94	22.02	21.86	23	1
5	16QAM	1	12	21.89	21.98	21.88		
5	16QAM	1	24	21.93	22.01	21.84		
5	16QAM	12	0	20.89	21.01	20.88	22	2
5	16QAM	12	7	20.92	21.04	20.91		
5	16QAM	12	13	20.91	21.01	20.84		
5	16QAM	25	0	20.93	21.03	20.87		
5	64QAM	1	0	20.94	21.02	20.89	22	2
5	64QAM	1	12	20.95	20.98	20.85		
5	64QAM	1	24	20.93	21.02	20.86		
5	64QAM	12	0	19.93	19.98	19.85	21	3
5	64QAM	12	7	19.89	20.01	19.88		
5	64QAM	12	13	19.95	20.03	19.84		
5	64QAM	25	0	19.94	20.00	19.86		

Band 41 Ant4 Default

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	22.35	22.41	22.65	22.39	22.61	24	0
20	QPSK	1	49	22.31	22.40	22.61	22.38	22.60		
20	QPSK	1	99	22.35	22.40	22.62	22.37	22.60		
20	QPSK	50	0	22.24	22.29	22.53	22.28	22.52	23	1
20	QPSK	50	24	22.22	22.29	22.54	22.27	22.51		
20	QPSK	50	50	22.27	22.33	22.49	22.26	22.52		
20	QPSK	100	0	22.22	22.30	22.57	22.29	22.53		
20	16QAM	1	0	22.20	22.33	22.51	22.28	22.52	23	1
20	16QAM	1	49	22.23	22.32	22.52	22.29	22.52		
20	16QAM	1	99	22.22	22.30	22.53	22.28	22.51		
20	16QAM	50	0	21.27	21.28	21.55	21.30	21.52	22	2
20	16QAM	50	24	21.21	21.30	21.53	21.30	21.53		
20	16QAM	50	50	21.27	21.28	21.50	21.25	21.47		
20	16QAM	100	0	21.25	21.30	21.58	21.28	21.49		
20	64QAM	1	0	21.21	21.31	21.51	21.30	21.49	22	2
20	64QAM	1	49	21.26	21.31	21.50	21.25	21.52		
20	64QAM	1	99	21.23	21.33	21.49	21.28	21.53		
20	64QAM	50	0	20.24	20.31	20.57	20.29	20.54	21	3
20	64QAM	50	24	20.22	20.31	20.48	20.28	20.48		
20	64QAM	50	50	20.25	20.32	20.50	20.28	20.48		
20	64QAM	100	0	20.19	20.33	20.50	20.30	20.51		
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	22.27	22.36	22.56	22.33	22.50	24	0
15	QPSK	1	37	22.21	22.31	22.54	22.31	22.54		
15	QPSK	1	74	22.24	22.35	22.55	22.29	22.52		
15	QPSK	36	0	22.16	22.22	22.45	22.20	22.44	23	1
15	QPSK	36	20	22.12	22.20	22.44	22.21	22.41		
15	QPSK	36	39	22.16	22.24	22.38	22.16	22.46		
15	QPSK	75	0	22.11	22.21	22.51	22.23	22.46		
15	16QAM	1	0	22.10	22.24	22.45	22.22	22.41	23	1
15	16QAM	1	37	22.16	22.21	22.47	22.19	22.44		
15	16QAM	1	74	22.16	22.19	22.44	22.22	22.41		
15	16QAM	36	0	21.19	21.23	21.50	21.21	21.44	22	2
15	16QAM	36	20	21.12	21.23	21.46	21.22	21.43		
15	16QAM	36	39	21.20	21.21	21.41	21.17	21.42		
15	16QAM	75	0	21.20	21.19	21.52	21.20	21.42		
15	64QAM	1	0	21.14	21.21	21.43	21.24	21.40	22	2
15	64QAM	1	37	21.18	21.22	21.40	21.20	21.43		
15	64QAM	1	74	21.15	21.27	21.38	21.22	21.45		
15	64QAM	36	0	20.17	20.24	20.50	20.18	20.44	21	3
15	64QAM	36	20	20.11	20.25	20.42	20.20	20.37		
15	64QAM	36	39	20.16	20.23	20.42	20.18	20.42		
15	64QAM	75	0	20.12	20.26	20.41	20.22	20.42		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.26	22.31	22.57	22.32	22.53	24	0
10	QPSK	1	25	22.20	22.30	22.54	22.30	22.54		
10	QPSK	1	49	22.26	22.29	22.54	22.30	22.49		
10	QPSK	25	0	22.15	22.22	22.47	22.19	22.41	23	1
10	QPSK	25	12	22.15	22.21	22.47	22.18	22.40		
10	QPSK	25	25	22.20	22.22	22.43	22.20	22.44		
10	QPSK	50	0	22.11	22.23	22.50	22.18	22.43		
10	16QAM	1	0	22.10	22.25	22.45	22.17	22.41	23	1
10	16QAM	1	25	22.14	22.25	22.42	22.21	22.43		
10	16QAM	1	49	22.16	22.22	22.42	22.22	22.46		
10	16QAM	25	0	21.17	21.21	21.45	21.24	21.43	22	2
10	16QAM	25	12	21.10	21.21	21.44	21.20	21.45		
10	16QAM	25	25	21.16	21.19	21.40	21.19	21.40		
10	16QAM	50	0	21.19	21.21	21.49	21.18	21.43		
10	64QAM	1	0	21.15	21.24	21.44	21.23	21.42	22	2
10	64QAM	1	25	21.15	21.22	21.44	21.17	21.43		
10	64QAM	1	49	21.12	21.27	21.39	21.23	21.42		
10	64QAM	25	0	20.15	20.24	20.48	20.24	20.45	21	3
10	64QAM	25	12	20.12	20.21	20.39	20.19	20.37		
10	64QAM	25	25	20.19	20.23	20.42	20.21	20.41		
10	64QAM	50	0	20.09	20.23	20.43	20.21	20.45		
Channel				39675	40140	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.25	22.33	22.57	22.33	22.50	24	0
5	QPSK	1	12	22.25	22.33	22.53	22.30	22.55		
5	QPSK	1	24	22.29	22.29	22.58	22.29	22.54		
5	QPSK	12	0	22.14	22.24	22.47	22.18	22.43	23	1
5	QPSK	12	7	22.15	22.23	22.44	22.16	22.40		
5	QPSK	12	13	22.17	22.23	22.40	22.18	22.42		
5	QPSK	25	0	22.16	22.24	22.48	22.21	22.48		
5	16QAM	1	0	22.11	22.28	22.43	22.17	22.44	23	1
5	16QAM	1	12	22.15	22.27	22.46	22.19	22.42		
5	16QAM	1	24	22.13	22.23	22.43	22.20	22.43		
5	16QAM	12	0	21.18	21.17	21.49	21.22	21.46	22	2
5	16QAM	12	7	21.14	21.20	21.47	21.23	21.45		
5	16QAM	12	13	21.18	21.18	21.40	21.15	21.40		
5	16QAM	25	0	21.15	21.24	21.48	21.19	21.38		
5	64QAM	1	0	21.12	21.20	21.43	21.20	21.40	22	2
5	64QAM	1	12	21.19	21.26	21.44	21.17	21.44		
5	64QAM	1	24	21.16	21.27	21.42	21.19	21.44		
5	64QAM	12	0	20.19	20.25	20.46	20.23	20.48	21	3
5	64QAM	12	7	20.12	20.23	20.41	20.18	20.38		
5	64QAM	12	13	20.15	20.26	20.44	20.18	20.37		
5	64QAM	25	0	20.09	20.27	20.44	20.21	20.45		

Band 41 HPUE

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.15	25.33	25.43	25.46	25.32	25.31	27	0
20	QPSK	1	49	25.00	25.20	25.27	25.34	25.19	25.17		
20	QPSK	1	99	25.03	25.21	25.31	25.35	25.20	25.18		
20	QPSK	50	0	24.01	24.22	24.29	24.32	24.18	24.17	26	1
20	QPSK	50	24	24.02	24.19	24.31	24.33	24.18	24.16		
20	QPSK	50	50	24.00	24.18	24.29	24.31	24.19	24.16		
20	QPSK	100	0	24.01	24.21	24.32	24.35	24.21	24.21		
20	16QAM	1	0	24.00	24.22	24.28	24.31	24.19	24.20	26	1
20	16QAM	1	49	24.03	24.19	24.33	24.33	24.17	24.17		
20	16QAM	1	99	24.05	24.17	24.27	24.30	24.20	24.18		
20	16QAM	50	0	23.04	23.24	23.35	23.39	23.22	23.22	25	2
20	16QAM	50	24	23.03	23.23	23.33	23.39	23.22	23.22		
20	16QAM	50	50	23.03	23.21	23.31	23.35	23.21	23.24		
20	16QAM	100	0	23.06	23.26	23.34	23.38	23.22	23.23		
20	64QAM	1	0	23.05	23.20	23.36	23.38	23.21	23.20	25	2
20	64QAM	1	49	23.05	23.25	23.36	23.34	23.24	23.24		
20	64QAM	1	99	23.02	23.25	23.33	23.36	23.21	23.21		
20	64QAM	50	0	22.05	22.24	22.32	22.34	22.19	22.22	24	3
20	64QAM	50	24	22.05	22.25	22.32	22.35	22.19	22.20		
20	64QAM	50	50	22.06	22.21	22.34	22.36	22.22	22.18		
20	64QAM	100	0	22.03	22.21	22.34	22.39	22.21	22.22		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.25	25.23	25.35	25.40	25.23	25.23	27	0
15	QPSK	1	37	25.11	25.11	25.18	25.23	25.10	25.08		
15	QPSK	1	74	25.12	25.12	25.23	25.26	25.14	25.09		
15	QPSK	36	0	24.14	24.16	24.23	24.22	24.11	24.09	26	1
15	QPSK	36	20	24.11	24.09	24.26	24.22	24.09	24.09		
15	QPSK	36	39	24.12	24.12	24.21	24.23	24.09	24.10		
15	QPSK	75	0	24.12	24.15	24.25	24.26	24.14	24.15		
15	16QAM	1	0	24.15	24.12	24.16	24.22	24.11	24.11	26	1
15	16QAM	1	37	24.11	24.13	24.22	24.25	24.06	24.09		
15	16QAM	1	74	24.10	24.07	24.22	24.25	24.13	24.09		
15	16QAM	36	0	23.18	23.13	23.27	23.33	23.12	23.13	25	2
15	16QAM	36	20	23.12	23.13	23.27	23.29	23.13	23.16		
15	16QAM	36	39	23.13	23.13	23.25	23.25	23.15	23.16		
15	16QAM	75	0	23.19	23.16	23.24	23.28	23.14	23.17		
15	64QAM	1	0	23.10	23.12	23.25	23.32	23.11	23.12	25	2
15	64QAM	1	37	23.18	23.17	23.25	23.26	23.13	23.13		
15	64QAM	1	74	23.20	23.20	23.27	23.31	23.11	23.13		
15	64QAM	36	0	22.13	22.16	22.22	22.25	22.13	22.11	24	3
15	64QAM	36	20	22.14	22.16	22.25	22.26	22.09	22.11		
15	64QAM	36	39	22.13	22.15	22.27	22.30	22.14	22.10		
15	64QAM	75	0	22.14	22.14	22.28	22.31	22.16	22.12		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	25.24	25.26	25.34	25.39	25.25	25.23	27	0
10	QPSK	1	25	25.14	25.11	25.18	25.27	25.09	25.06		
10	QPSK	1	49	25.15	25.14	25.24	25.28	25.14	25.13		
10	QPSK	25	0	24.16	24.14	24.20	24.21	24.07	24.09	26	1
10	QPSK	25	12	24.13	24.13	24.21	24.26	24.11	24.06		
10	QPSK	25	25	24.13	24.08	24.22	24.20	24.10	24.06		
10	QPSK	50	0	24.11	24.15	24.26	24.24	24.11	24.11		
10	16QAM	1	0	24.14	24.13	24.17	24.22	24.08	24.10	26	1
10	16QAM	1	25	24.09	24.11	24.23	24.26	24.10	24.08		
10	16QAM	1	49	24.11	24.11	24.21	24.19	24.13	24.08		
10	16QAM	25	0	23.17	23.15	23.28	23.29	23.13	23.14	25	2
10	16QAM	25	12	23.12	23.13	23.25	23.29	23.16	23.15		
10	16QAM	25	25	23.12	23.14	23.20	23.26	23.12	23.13		
10	16QAM	50	0	23.19	23.16	23.23	23.29	23.17	23.14		
10	64QAM	1	0	23.11	23.10	23.30	23.28	23.12	23.14	25	2
10	64QAM	1	25	23.15	23.15	23.27	23.26	23.16	23.18		
10	64QAM	1	49	23.18	23.18	23.24	23.27	23.13	23.12		
10	64QAM	25	0	22.14	22.18	22.25	22.27	22.13	22.16	24	3
10	64QAM	25	12	22.14	22.14	22.22	22.24	22.14	22.12		
10	64QAM	25	25	22.14	22.12	22.27	22.29	22.11	22.12		
10	64QAM	50	0	22.14	22.14	22.26	22.33	22.11	22.15		
Channel				39715	39675	40140	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.24	25.25	25.34	25.37	25.26	25.21	27	0
5	QPSK	1	12	25.14	25.14	25.20	25.28	25.11	25.10		
5	QPSK	1	24	25.15	25.13	25.24	25.26	25.11	25.09		
5	QPSK	12	0	24.15	24.17	24.23	24.23	24.12	24.07	26	1
5	QPSK	12	7	24.13	24.09	24.25	24.22	24.09	24.07		
5	QPSK	12	13	24.07	24.10	24.18	24.24	24.13	24.05		
5	QPSK	25	0	24.16	24.11	24.22	24.27	24.11	24.13		
5	16QAM	1	0	24.12	24.15	24.18	24.22	24.13	24.14	26	1
5	16QAM	1	12	24.09	24.10	24.25	24.23	24.10	24.08		
5	16QAM	1	24	24.12	24.12	24.19	24.24	24.10	24.11		
5	16QAM	12	0	23.17	23.17	23.27	23.34	23.17	23.11	25	2
5	16QAM	12	7	23.17	23.13	23.22	23.33	23.17	23.14		
5	16QAM	12	13	23.15	23.12	23.24	23.27	23.15	23.16		
5	16QAM	25	0	23.16	23.17	23.27	23.29	23.16	23.13		
5	64QAM	1	0	23.14	23.12	23.29	23.31	23.11	23.14	25	2
5	64QAM	1	12	23.15	23.19	23.29	23.27	23.16	23.16		
5	64QAM	1	24	23.20	23.15	23.22	23.28	23.15	23.10		
5	64QAM	12	0	22.14	22.15	22.23	22.24	22.11	22.14	24	3
5	64QAM	12	7	22.19	22.17	22.22	22.29	22.13	22.09		
5	64QAM	12	13	22.13	22.14	22.25	22.31	22.11	22.07		
5	64QAM	25	0	22.11	22.15	22.27	22.32	22.10	22.13		

ECI2 Power for WWAN Main PA

	GSM850 Ant0 ECI2							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.20	32.18	32.06	33.50	23.20	23.18	23.06	24.50
GPRS 1 Tx slot	32.15	32.17	32.05	33.50	23.15	23.17	23.05	24.50
GPRS 2 Tx slots	31.10	31.25	31.07	32.50	25.10	25.25	25.07	26.50
GPRS 3 Tx slots	29.30	29.46	29.44	30.50	25.04	25.20	25.18	26.24
GPRS 4 Tx slots	28.23	28.35	28.13	29.50	25.23	25.35	25.13	26.50
EDGE 1 Tx slot	26.32	26.43	26.41	27.50	17.32	17.43	17.41	18.50
EDGE 2 Tx slots	25.16	25.10	25.31	26.00	19.16	19.10	19.31	20.00
EDGE 3 Tx slots	22.88	22.91	22.89	24.00	18.62	18.65	18.63	19.74
EDGE 4 Tx slots	21.38	21.49	21.52	22.50	18.38	18.49	18.52	19.50

	GSM1900 Ant0 ECI2							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.55	29.56	29.46	30.50	20.55	20.56	20.46	21.50
GPRS 1 Tx slot	29.54	29.56	29.46	30.50	20.54	20.56	20.46	21.50
GPRS 2 Tx slots	28.49	28.58	28.46	29.50	22.49	22.58	22.46	23.50
GPRS 3 Tx slots	26.41	26.41	26.27	27.50	22.15	22.15	22.01	23.24
GPRS 4 Tx slots	25.58	25.59	25.51	26.50	22.58	22.59	22.51	23.50
EDGE 1 Tx slot	25.42	25.31	25.22	26.50	16.42	16.31	16.22	17.50
EDGE 2 Tx slots	24.27	23.87	23.87	25.00	18.27	17.87	17.87	19.00
EDGE 3 Tx slots	22.24	21.84	21.81	23.00	17.98	17.58	17.55	18.74
EDGE 4 Tx slots	20.92	20.79	20.80	22.00	17.92	17.79	17.80	19.00

		WCDMA II Ant0 ECI2				WCDMA IV Ant0 ECI2				WCDMA V Ant0 ECI2			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.52	22.59	22.51	24.00	22.66	22.74	22.66	24.00	22.77	22.84	22.81	24.00
3GPP Rel 99	RMC 12.2Kbps	22.53	22.61	22.59	24.00	22.69	22.76	22.69	24.00	22.80	22.90	22.83	24.00
3GPP Rel 6	HSDPA Subtest-1	21.53	21.69	21.56	23.00	21.71	21.84	21.67	23.00	21.85	21.91	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	21.55	21.58	21.54	23.00	21.65	21.73	21.61	23.00	21.75	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.16	21.11	22.50	21.17	21.33	21.24	22.50	21.30	21.35	21.33	22.50
3GPP Rel 6	HSDPA Subtest-4	20.97	21.02	21.06	22.50	21.07	21.09	21.16	22.50	21.09	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.53	21.67	21.56	23.00	21.69	21.71	21.71	23.00	21.79	21.77	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.44	21.63	21.47	23.00	21.58	21.80	21.55	23.00	21.71	21.84	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.96	21.14	21.04	22.50	21.08	21.28	21.21	22.50	21.20	21.35	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.93	21.07	20.94	22.50	21.05	21.11	21.06	22.50	21.15	21.19	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	21.46	21.56	21.54	23.00	21.55	21.63	21.63	23.00	21.67	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-2	19.58	19.68	19.59	21.00	19.65	19.80	19.71	21.00	19.70	19.80	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.70	20.69	20.65	22.00	20.83	20.78	20.78	22.00	20.95	20.85	20.91	22.00
3GPP Rel 6	HSUPA Subtest-4	19.48	19.59	19.45	21.00	19.58	19.70	19.62	21.00	19.67	19.79	19.63	21.00
3GPP Rel 6	HSUPA Subtest-5	21.47	21.60	21.52	23.00	21.57	21.75	21.69	23.00	21.64	21.85	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.09	19.31	19.09	20.50	19.20	19.34	19.29	20.50	19.31	19.52	19.36	20.50

Band 2 Ant0 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.09	22.16	22.11	24	0
20	QPSK	1	49	22.02	22.06	22.01		
20	QPSK	1	99	22.02	22.03	22.01		
20	QPSK	50	0	21.12	21.15	21.07	23	1
20	QPSK	50	24	21.05	21.08	21.05		
20	QPSK	50	50	21.03	21.04	21.02		
20	QPSK	100	0	21.03	21.04	21.01		
20	16QAM	1	0	21.02	21.02	21.03	23	1
20	16QAM	1	49	21.02	21.01	21.00		
20	16QAM	1	99	21.03	21.03	21.02		
20	16QAM	50	0	20.07	20.19	20.08	22	2
20	16QAM	50	24	20.07	20.14	20.01		
20	16QAM	50	50	20.11	20.17	20.04		
20	16QAM	100	0	20.09	20.18	20.05		
20	64QAM	1	0	20.12	20.22	20.17	22	2
20	64QAM	1	49	20.11	20.15	20.08		
20	64QAM	1	99	20.07	20.13	20.04		
20	64QAM	50	0	19.12	19.22	19.09	21	3
20	64QAM	50	24	19.06	19.16	19.04		
20	64QAM	50	50	19.16	19.18	19.06		
20	64QAM	100	0	19.11	19.21	19.08		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.06	22.12	22.05	24	0
15	QPSK	1	37	22.01	22.02	22.03		
15	QPSK	1	74	22.03	22.00	22.01		
15	QPSK	36	0	21.04	21.10	21.01	23	1
15	QPSK	36	20	21.01	21.04	21.02		
15	QPSK	36	39	21.03	21.01	21.01		
15	QPSK	75	0	21.00	21.02	21.01		
15	16QAM	1	0	21.05	21.03	21.01	23	1
15	16QAM	1	37	21.01	21.01	21.02		
15	16QAM	1	74	21.03	21.00	21.01		
15	16QAM	36	0	20.00	20.15	20.01	22	2
15	16QAM	36	20	20.04	20.10	20.02		
15	16QAM	36	39	20.07	20.10	20.02		
15	16QAM	75	0	20.05	20.15	20.03		
15	64QAM	1	0	20.08	20.20	20.13	22	2
15	64QAM	1	37	20.06	20.09	20.00		
15	64QAM	1	74	20.02	20.09	20.01		
15	64QAM	36	0	19.07	19.16	19.05	21	3
15	64QAM	36	20	19.01	19.10	19.15		
15	64QAM	36	39	19.13	19.12	19.03		
15	64QAM	75	0	19.07	19.14	19.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.03	22.13	22.06	24	0
10	QPSK	1	25	22.02	22.01	22.02		
10	QPSK	1	49	22.03	22.01	22.02		
10	QPSK	25	0	21.03	21.09	21.03	23	1
10	QPSK	25	12	21.03	21.01	21.01		
10	QPSK	25	25	21.03	21.01	21.00		
10	QPSK	50	0	21.03	21.02	21.00		
10	16QAM	1	0	21.02	21.00	21.03	23	1
10	16QAM	1	25	21.03	21.01	21.02		
10	16QAM	1	49	21.03	21.02	21.02		
10	16QAM	25	0	20.03	20.17	20.03	22	2
10	16QAM	25	12	20.01	20.12	20.04		
10	16QAM	25	25	20.05	20.09	20.01		
10	16QAM	50	0	20.04	20.13	20.00		
10	64QAM	1	0	20.08	20.20	20.15	22	2
10	64QAM	1	25	20.04	20.08	20.10		
10	64QAM	1	49	20.02	20.06	20.00		
10	64QAM	25	0	19.09	19.17	19.07	21	3
10	64QAM	25	12	19.02	19.09	19.12		
10	64QAM	25	25	19.11	19.09	19.03		
10	64QAM	50	0	19.04	19.15	19.05		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.03	22.09	22.04	24	0
5	QPSK	1	12	22.03	22.01	22.02		
5	QPSK	1	24	22.03	22.01	22.02		
5	QPSK	12	0	21.05	21.07	21.02	23	1
5	QPSK	12	7	21.01	21.05	21.03		
5	QPSK	12	13	21.04	21.02	21.00		
5	QPSK	25	0	21.01	21.03	21.01		
5	16QAM	1	0	21.02	21.01	21.00	23	1
5	16QAM	1	12	21.02	21.03	21.01		
5	16QAM	1	24	21.02	21.01	21.01		
5	16QAM	12	0	20.05	20.13	20.02	22	2
5	16QAM	12	7	20.04	20.10	20.01		
5	16QAM	12	13	20.04	20.12	20.03		
5	16QAM	25	0	20.02	20.17	20.02		
5	64QAM	1	0	20.07	20.20	20.13	22	2
5	64QAM	1	12	20.05	20.09	20.02		
5	64QAM	1	24	20.03	20.10	20.03		
5	64QAM	12	0	19.08	19.17	19.02	21	3
5	64QAM	12	7	19.00	19.08	19.14		
5	64QAM	12	13	19.13	19.11	19.05		
5	64QAM	25	0	19.06	19.13	19.05		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.06	22.09	22.03	24	0
3	QPSK	1	8	22.00	22.01	22.03		
3	QPSK	1	14	22.00	22.01	22.03		
3	QPSK	8	0	21.04	21.12	21.05	23	1
3	QPSK	8	4	21.03	21.06	21.04		
3	QPSK	8	7	21.05	21.01	21.03		
3	QPSK	15	0	21.01	21.01	21.02		
3	16QAM	1	0	21.04	21.02	21.01	23	1
3	16QAM	1	8	21.02	21.03	21.04		
3	16QAM	1	14	21.04	21.02	21.01		
3	16QAM	8	0	20.05	20.14	20.00	22	2
3	16QAM	8	4	20.02	20.12	20.03		
3	16QAM	8	7	20.07	20.07	20.00		
3	16QAM	15	0	20.07	20.13	20.03		
3	64QAM	1	0	20.09	20.17	20.11	22	2
3	64QAM	1	8	20.06	20.09	20.00		
3	64QAM	1	14	20.01	20.10	20.03		
3	64QAM	8	0	19.08	19.13	19.02	21	3
3	64QAM	8	4	19.00	19.11	19.16		
3	64QAM	8	7	19.15	19.12	19.04		
3	64QAM	15	0	19.06	19.12	19.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.07	22.13	22.02	24	0
1.4	QPSK	1	3	22.00	22.04	22.05		
1.4	QPSK	1	5	22.05	22.02	22.01		
1.4	QPSK	3	0	22.10	22.02	22.00		
1.4	QPSK	3	1	22.04	22.03	22.01		
1.4	QPSK	3	3	22.05	22.01	22.01		
1.4	QPSK	6	0	21.00	21.01	21.01	23	1
1.4	16QAM	1	0	21.03	21.03	21.00	23	1
1.4	16QAM	1	3	21.02	21.02	21.03		
1.4	16QAM	1	5	21.03	21.01	21.00		
1.4	16QAM	3	0	22.02	22.01	22.02		
1.4	16QAM	3	1	22.01	22.02	21.99		
1.4	16QAM	3	3	21.06	21.08	21.01		
1.4	16QAM	6	0	20.04	20.13	20.05	22	2
1.4	64QAM	1	0	20.07	20.20	20.11	22	2
1.4	64QAM	1	3	20.05	20.08	20.03		
1.4	64QAM	1	5	20.01	20.11	20.01		
1.4	64QAM	3	0	21.01	21.02	20.99		
1.4	64QAM	3	1	21.05	21.01	20.98		
1.4	64QAM	3	3	20.98	20.99	21.00		
1.4	64QAM	6	0	19.09	19.16	19.01	21	3

Band 4 Ant0 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.52	21.69	21.63	23.5	0
20	QPSK	1	49	21.51	21.56	21.52		
20	QPSK	1	99	21.52	21.51	21.53		
20	QPSK	50	0	20.57	20.78	20.76	22.5	1
20	QPSK	50	24	20.65	20.64	20.61		
20	QPSK	50	50	20.53	20.64	20.62		
20	QPSK	100	0	20.60	20.68	20.62		
20	16QAM	1	0	20.54	20.66	20.56	22.5	1
20	16QAM	1	49	20.56	20.60	20.55		
20	16QAM	1	99	20.51	20.59	20.50		
20	16QAM	50	0	19.55	19.71	19.61	21.5	2
20	16QAM	50	24	19.58	19.65	19.55		
20	16QAM	50	50	19.53	19.70	19.52		
20	16QAM	100	0	19.51	19.65	19.54		
20	64QAM	1	0	19.72	19.79	19.73	21.5	2
20	64QAM	1	49	19.70	19.76	19.58		
20	64QAM	1	99	19.62	19.74	19.60		
20	64QAM	50	0	18.61	18.72	18.61	20.5	3
20	64QAM	50	24	18.53	18.60	18.53		
20	64QAM	50	50	18.59	18.69	18.58		
20	64QAM	100	0	18.51	18.60	18.53		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.51	21.60	21.64	23.5	0
15	QPSK	1	37	21.51	21.53	21.52		
15	QPSK	1	74	21.53	21.51	21.55		
15	QPSK	36	0	20.59	20.72	20.74	22.5	1
15	QPSK	36	20	20.61	20.66	20.57		
15	QPSK	36	39	20.53	20.65	20.62		
15	QPSK	75	0	20.60	20.65	20.64		
15	16QAM	1	0	20.54	20.63	20.60	22.5	1
15	16QAM	1	37	20.57	20.61	20.65		
15	16QAM	1	74	20.66	20.60	20.61		
15	16QAM	36	0	19.54	19.70	19.64	21.5	2
15	16QAM	36	20	19.60	19.64	19.53		
15	16QAM	36	39	19.53	19.72	19.55		
15	16QAM	75	0	19.51	19.67	19.51		
15	64QAM	1	0	19.75	19.79	19.73	21.5	2
15	64QAM	1	37	19.70	19.75	19.62		
15	64QAM	1	74	19.61	19.74	19.63		
15	64QAM	36	0	18.60	18.71	18.66	20.5	3
15	64QAM	36	20	18.50	18.61	18.55		
15	64QAM	36	39	18.56	18.68	18.59		
15	64QAM	75	0	18.56	18.62	18.51		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.53	21.59	21.61	23.5	0
10	QPSK	1	25	21.52	21.53	21.51		
10	QPSK	1	49	21.55	21.52	21.53		
10	QPSK	25	0	20.60	20.72	20.71	22.5	1
10	QPSK	25	12	20.61	20.64	20.57		
10	QPSK	25	25	20.50	20.68	20.61		
10	QPSK	50	0	20.65	20.67	20.66		
10	16QAM	1	0	20.55	20.64	20.61	22.5	1
10	16QAM	1	25	20.60	20.63	20.61		
10	16QAM	1	49	20.63	20.57	20.55		
10	16QAM	25	0	19.57	19.72	19.60	21.5	2
10	16QAM	25	12	19.56	19.66	19.54		
10	16QAM	25	25	19.52	19.73	19.52		
10	16QAM	50	0	19.51	19.64	19.50		
10	64QAM	1	0	19.76	19.76	19.67	21.5	2
10	64QAM	1	25	19.69	19.73	19.59		
10	64QAM	1	49	19.58	19.76	19.64		
10	64QAM	25	0	18.60	18.75	18.63	20.5	3
10	64QAM	25	12	18.51	18.63	18.56		
10	64QAM	25	25	18.58	18.71	18.59		
10	64QAM	50	0	18.51	18.58	18.55		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.53	21.61	21.60	23.5	0
5	QPSK	1	12	21.53	21.56	21.51		
5	QPSK	1	24	21.55	21.53	21.50		
5	QPSK	12	0	20.58	20.76	20.72	22.5	1
5	QPSK	12	7	20.63	20.68	20.57		
5	QPSK	12	13	20.50	20.65	20.59		
5	QPSK	25	0	20.61	20.70	20.64		
5	16QAM	1	0	20.52	20.64	20.58	22.5	1
5	16QAM	1	12	20.57	20.60	20.55		
5	16QAM	1	24	20.65	20.61	20.56		
5	16QAM	12	0	19.53	19.72	19.59	21.5	2
5	16QAM	12	7	19.55	19.68	19.54		
5	16QAM	12	13	19.57	19.69	19.52		
5	16QAM	25	0	19.50	19.65	19.51		
5	64QAM	1	0	19.72	19.76	19.69	21.5	2
5	64QAM	1	12	19.69	19.78	19.60		
5	64QAM	1	24	19.59	19.71	19.60		
5	64QAM	12	0	18.59	18.74	18.66	20.5	3
5	64QAM	12	7	18.57	18.61	18.53		
5	64QAM	12	13	18.55	18.69	18.60		
5	64QAM	25	0	18.51	18.58	18.55		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.52	21.65	21.61	23.5	0
3	QPSK	1	8	21.50	21.57	21.52		
3	QPSK	1	14	21.55	21.50	21.51		
3	QPSK	8	0	20.59	20.75	20.75	22.5	1
3	QPSK	8	4	20.62	20.67	20.57		
3	QPSK	8	7	20.53	20.64	20.61		
3	QPSK	15	0	20.62	20.66	20.64		
3	16QAM	1	0	20.50	20.66	20.58	22.5	1
3	16QAM	1	8	20.59	20.64	20.55		
3	16QAM	1	14	20.53	20.57	20.51		
3	16QAM	8	0	19.57	19.75	19.62	21.5	2
3	16QAM	8	4	19.60	19.68	19.54		
3	16QAM	8	7	19.57	19.71	19.56		
3	16QAM	15	0	19.52	19.67	19.55		
3	64QAM	1	0	19.72	19.76	19.72	21.5	2
3	64QAM	1	8	19.69	19.76	19.58		
3	64QAM	1	14	19.60	19.74	19.64		
3	64QAM	8	0	18.61	18.75	18.62	20.5	3
3	64QAM	8	4	18.51	18.59	18.56		
3	64QAM	8	7	18.61	18.67	18.55		
3	64QAM	15	0	18.55	18.63	18.53		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.52	21.63	21.61	23.5	0
1.4	QPSK	1	3	21.55	21.53	21.55		
1.4	QPSK	1	5	21.53	21.51	21.52		
1.4	QPSK	3	0	21.50	21.59	21.61		
1.4	QPSK	3	1	21.53	21.57	21.51		
1.4	QPSK	3	3	21.55	21.51	21.51		
1.4	QPSK	6	0	20.59	20.69	20.66	22.5	1
1.4	16QAM	1	0	20.53	20.65	20.61	22.5	1
1.4	16QAM	1	3	20.56	20.59	20.51		
1.4	16QAM	1	5	20.65	20.60	20.56		
1.4	16QAM	3	0	20.60	20.64	20.58		
1.4	16QAM	3	1	20.51	20.66	20.57		
1.4	16QAM	3	3	20.59	20.66	20.63		
1.4	16QAM	6	0	19.61	19.67	19.53	21.5	2
1.4	64QAM	1	0	19.72	19.78	19.69	21.5	2
1.4	64QAM	1	3	19.67	19.74	19.63		
1.4	64QAM	1	5	19.62	19.73	19.62		
1.4	64QAM	3	0	19.76	19.77	19.72		
1.4	64QAM	3	1	19.66	19.78	19.60		
1.4	64QAM	3	3	19.62	19.72	19.61		
1.4	64QAM	6	0	18.59	18.58	18.51	20.5	3

Band 12 Ant0 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.60	22.67	22.63	24	0
10	QPSK	1	25	22.54	22.57	22.47		
10	QPSK	1	49	22.37	22.56	22.48		
10	QPSK	25	0	21.56	21.62	21.47	23	1
10	QPSK	25	12	21.54	21.58	21.42		
10	QPSK	25	25	21.40	21.50	21.46		
10	QPSK	50	0	21.54	21.58	21.49		
10	16QAM	1	0	21.43	21.48	21.47	23	1
10	16QAM	1	25	21.29	21.46	21.41		
10	16QAM	1	49	21.27	21.38	21.26		
10	16QAM	25	0	20.59	20.64	20.59	22	2
10	16QAM	25	12	20.50	20.53	20.40		
10	16QAM	25	25	20.48	20.56	20.49		
10	16QAM	50	0	20.51	20.58	20.45		
10	64QAM	1	0	20.53	20.63	20.53	22	2
10	64QAM	1	25	20.55	20.61	20.50		
10	64QAM	1	49	20.49	20.55	20.51		
10	64QAM	25	0	19.54	19.56	19.48	21	3
10	64QAM	25	12	19.36	19.50	19.47		
10	64QAM	25	25	19.44	19.54	19.42		
10	64QAM	50	0	19.41	19.55	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.63	22.59	24	0
5	QPSK	1	12	22.52	22.53	22.43		
5	QPSK	1	24	22.31	22.49	22.45		
5	QPSK	12	0	21.51	21.56	21.42	23	1
5	QPSK	12	7	21.46	21.52	21.36		
5	QPSK	12	13	21.37	21.47	21.42		
5	QPSK	25	0	21.50	21.55	21.46		
5	16QAM	1	0	21.35	21.44	21.44	23	1
5	16QAM	1	12	21.25	21.38	21.34		
5	16QAM	1	24	21.19	21.31	21.22		
5	16QAM	12	0	20.57	20.59	20.56	22	2
5	16QAM	12	7	20.45	20.47	20.35		
5	16QAM	12	13	20.44	20.50	20.42		
5	16QAM	25	0	20.43	20.56	20.42		
5	64QAM	1	0	20.48	20.56	20.49	22	2
5	64QAM	1	12	20.50	20.56	20.46		
5	64QAM	1	24	20.44	20.52	20.43		
5	64QAM	12	0	19.51	19.48	19.40	21	3
5	64QAM	12	7	19.28	19.44	19.40		
5	64QAM	12	13	19.41	19.50	19.39		
5	64QAM	25	0	19.38	19.48	19.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.54	22.64	22.57	24	0
3	QPSK	1	8	22.48	22.53	22.44		
3	QPSK	1	14	22.33	22.52	22.41		
3	QPSK	8	0	21.53	21.55	21.41	23	1
3	QPSK	8	4	21.46	21.56	21.39		
3	QPSK	8	7	21.34	21.42	21.43		
3	QPSK	15	0	21.47	21.55	21.44		
3	16QAM	1	0	21.38	21.44	21.40	23	1
3	16QAM	1	8	21.27	21.41	21.37		
3	16QAM	1	14	21.25	21.33	21.22		
3	16QAM	8	0	20.53	20.56	20.53	22	2
3	16QAM	8	4	20.42	20.45	20.35		
3	16QAM	8	7	20.42	20.51	20.42		
3	16QAM	15	0	20.46	20.55	20.40		
3	64QAM	1	0	20.46	20.58	20.47	22	2
3	64QAM	1	8	20.50	20.54	20.46		
3	64QAM	1	14	20.42	20.47	20.48		
3	64QAM	8	0	19.46	19.50	19.42	21	3
3	64QAM	8	4	19.31	19.46	19.40		
3	64QAM	8	7	19.38	19.47	19.34		
3	64QAM	15	0	19.33	19.51	19.47		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.56	22.62	22.57	24	0
1.4	QPSK	1	3	22.49	22.52	22.39		
1.4	QPSK	1	5	22.32	22.49	22.44		
1.4	QPSK	3	0	22.53	22.64	22.59		
1.4	QPSK	3	1	22.50	22.50	22.40		
1.4	QPSK	3	3	22.29	22.48	22.42		
1.4	QPSK	6	0	21.46	21.51	21.41	23	1
1.4	16QAM	1	0	21.40	21.42	21.42	23	1
1.4	16QAM	1	3	21.21	21.41	21.37		
1.4	16QAM	1	5	21.22	21.35	21.20		
1.4	16QAM	3	0	21.37	21.41	21.39		
1.4	16QAM	3	1	21.26	21.42	21.33		
1.4	16QAM	3	3	21.23	21.35	21.22		
1.4	16QAM	6	0	20.46	20.51	20.38	22	2
1.4	64QAM	1	0	20.45	20.57	20.49	22	2
1.4	64QAM	1	3	20.50	20.58	20.47		
1.4	64QAM	1	5	20.42	20.52	20.47		
1.4	64QAM	3	0	20.44	20.52	20.47		
1.4	64QAM	3	1	20.48	20.50	20.39		
1.4	64QAM	3	3	20.47	20.56	20.49		
1.4	64QAM	6	0	19.39	19.51	19.45	21	3

Band 17 Ant0 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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.52	22.68	22.59	24	0
10	QPSK	1	25	22.50	22.51	22.45		
10	QPSK	1	49	22.34	22.52	22.46		
10	QPSK	25	0	21.49	21.56	21.41	23	1
10	QPSK	25	12	21.49	21.52	21.39		
10	QPSK	25	25	21.34	21.47	21.44		
10	QPSK	50	0	21.44	21.51	21.36		
10	16QAM	1	0	21.42	21.45	21.42	23	1
10	16QAM	1	25	21.19	21.38	21.34		
10	16QAM	1	49	21.22	21.30	21.23		
10	16QAM	25	0	20.54	20.51	20.53	22	2
10	16QAM	25	12	20.47	20.49	20.34		
10	16QAM	25	25	20.42	20.57	20.45		
10	16QAM	50	0	20.40	20.52	20.46		
10	64QAM	1	0	20.42	20.56	20.43	22	2
10	64QAM	1	25	20.47	20.57	20.39		
10	64QAM	1	49	20.45	20.48	20.39		
10	64QAM	25	0	19.52	19.51	19.42	21	3
10	64QAM	25	12	19.34	19.44	19.40		
10	64QAM	25	25	19.36	19.48	19.32		
10	64QAM	50	0	19.43	19.50	19.46		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.51	22.65	22.56	24	0
5	QPSK	1	12	22.45	22.47	22.45		
5	QPSK	1	24	22.29	22.51	22.44		
5	QPSK	12	0	21.45	21.55	21.38	23	1
5	QPSK	12	7	21.44	21.52	21.38		
5	QPSK	12	13	21.29	21.43	21.43		
5	QPSK	25	0	21.40	21.48	21.31		
5	16QAM	1	0	21.42	21.40	21.40	23	1
5	16QAM	1	12	21.17	21.36	21.32		
5	16QAM	1	24	21.22	21.27	21.22		
5	16QAM	12	0	20.54	20.46	20.50	22	2
5	16QAM	12	7	20.42	20.45	20.34		
5	16QAM	12	13	20.40	20.53	20.40		
5	16QAM	25	0	20.35	20.51	20.41		
5	64QAM	1	0	20.37	20.54	20.41	22	2
5	64QAM	1	12	20.43	20.57	20.34		
5	64QAM	1	24	20.40	20.47	20.37		
5	64QAM	12	0	19.49	19.47	19.39	21	3
5	64QAM	12	7	19.34	19.40	19.37		
5	64QAM	12	13	19.35	19.47	19.29		
5	64QAM	25	0	19.41	19.51	19.47		

Band 26 Ant0 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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.65	22.80	22.74	24	0
15	QPSK	1	37	22.76	22.78	22.58		
15	QPSK	1	74	22.51	22.57	22.58		
15	QPSK	36	0	21.76	22.01	21.87	23	1
15	QPSK	36	20	21.76	21.85	21.73		
15	QPSK	36	39	21.76	21.76	21.74		
15	QPSK	75	0	21.76	21.95	21.91		
15	16QAM	1	0	21.66	21.86	21.73	23	1
15	16QAM	1	37	21.77	21.78	21.64		
15	16QAM	1	74	21.63	21.79	21.62		
15	16QAM	36	0	20.79	20.93	20.83	22	2
15	16QAM	36	20	20.77	20.82	20.72		
15	16QAM	36	39	20.72	20.87	20.73		
15	16QAM	75	0	20.70	20.82	20.78		
15	64QAM	1	0	20.80	21.04	20.79	22	2
15	64QAM	1	37	20.82	20.96	20.80		
15	64QAM	1	74	20.75	20.92	20.81		
15	64QAM	36	0	19.77	19.96	19.79	21	3
15	64QAM	36	20	19.70	19.83	19.59		
15	64QAM	36	39	19.69	19.77	19.83		
15	64QAM	75	0	19.67	19.66	19.75		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.55	22.72	22.66	24	0
10	QPSK	1	25	22.67	22.69	22.48		
10	QPSK	1	49	22.42	22.49	22.49		
10	QPSK	25	0	21.68	21.93	21.79	23	1
10	QPSK	25	12	21.66	21.77	21.64		
10	QPSK	25	25	21.66	21.66	21.65		
10	QPSK	50	0	21.67	21.87	21.82		
10	16QAM	1	0	21.56	21.77	21.63	23	1
10	16QAM	1	25	21.69	21.70	21.54		
10	16QAM	1	49	21.55	21.71	21.54		
10	16QAM	25	0	20.71	20.84	20.75	22	2
10	16QAM	25	12	20.68	20.74	20.62		
10	16QAM	25	25	20.62	20.77	20.65		
10	16QAM	50	0	20.60	20.73	20.70		
10	64QAM	1	0	20.71	20.95	20.70	22	2
10	64QAM	1	25	20.72	20.88	20.72		
10	64QAM	1	49	20.66	20.82	20.72		
10	64QAM	25	0	19.69	19.87	19.71	21	3
10	64QAM	25	12	19.62	19.74	19.49		
10	64QAM	25	25	19.60	19.69	19.73		
10	64QAM	50	0	19.58	19.56	19.66		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.56	22.72	22.66	24	0
5	QPSK	1	12	22.68	22.68	22.49		
5	QPSK	1	24	22.43	22.48	22.50		
5	QPSK	12	0	21.66	21.91	21.79	23	1
5	QPSK	12	7	21.68	21.77	21.63		
5	QPSK	12	13	21.67	21.67	21.64		
5	QPSK	25	0	21.67	21.85	21.83		
5	16QAM	1	0	21.58	21.78	21.63	23	1
5	16QAM	1	12	21.69	21.68	21.55		
5	16QAM	1	24	21.55	21.71	21.52		
5	16QAM	12	0	20.71	20.85	20.75	22	2
5	16QAM	12	7	20.69	20.72	20.62		
5	16QAM	12	13	20.64	20.78	20.63		
5	16QAM	25	0	20.61	20.73	20.70		
5	64QAM	1	0	20.72	20.95	20.71	22	2
5	64QAM	1	12	20.72	20.86	20.71		
5	64QAM	1	24	20.66	20.82	20.72		
5	64QAM	12	0	19.67	19.87	19.69	21	3
5	64QAM	12	7	19.60	19.75	19.50		
5	64QAM	12	13	19.61	19.67	19.75		
5	64QAM	25	0	19.59	19.56	19.67		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.55	22.72	22.65	24	0
3	QPSK	1	8	22.67	22.69	22.50		
3	QPSK	1	14	22.42	22.49	22.50		
3	QPSK	8	0	21.66	21.92	21.79	23	1
3	QPSK	8	4	21.66	21.75	21.64		
3	QPSK	8	7	21.68	21.66	21.66		
3	QPSK	15	0	21.66	21.86	21.81		
3	16QAM	1	0	21.56	21.77	21.65	23	1
3	16QAM	1	8	21.69	21.68	21.56		
3	16QAM	1	14	21.53	21.70	21.54		
3	16QAM	8	0	20.70	20.84	20.74	22	2
3	16QAM	8	4	20.67	20.74	20.64		
3	16QAM	8	7	20.62	20.79	20.63		
3	16QAM	15	0	20.61	20.72	20.69		
3	64QAM	1	0	20.71	20.94	20.71	22	2
3	64QAM	1	8	20.72	20.87	20.70		
3	64QAM	1	14	20.67	20.84	20.72		
3	64QAM	8	0	19.68	19.86	19.71	21	3
3	64QAM	8	4	19.62	19.74	19.49		
3	64QAM	8	7	19.61	19.69	19.75		
3	64QAM	15	0	19.59	19.57	19.67		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.55	22.72	22.66	24	0
1.4	QPSK	1	3	22.66	22.70	22.50		
1.4	QPSK	1	5	22.41	22.48	22.49		
1.4	QPSK	3	0	22.55	22.72	22.64		
1.4	QPSK	3	1	22.68	22.69	22.47		
1.4	QPSK	3	3	22.38	22.45	22.48		
1.4	QPSK	6	0	21.68	21.86	21.83	23	1
1.4	16QAM	1	0	21.58	21.76	21.64	23	1
1.4	16QAM	1	3	21.68	21.68	21.54		
1.4	16QAM	1	5	21.53	21.70	21.52		
1.4	16QAM	3	0	21.55	21.72	21.68		
1.4	16QAM	3	1	21.66	21.69	21.50		
1.4	16QAM	3	3	21.44	21.49	21.46		
1.4	16QAM	6	0	20.60	20.73	20.70	22	2
1.4	64QAM	1	0	20.70	20.96	20.71	22	2
1.4	64QAM	1	3	20.73	20.88	20.72		
1.4	64QAM	1	5	20.65	20.83	20.72		
1.4	64QAM	3	0	20.53	20.72	20.66		
1.4	64QAM	3	1	20.67	20.71	20.48		
1.4	64QAM	3	3	20.43	20.49	20.49		
1.4	64QAM	6	0	19.58	19.58	19.65	21	3

Band 38 Ant4 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	14.80	14.84	14.77	16	0
20	QPSK	1	49	14.71	14.81	14.73		
20	QPSK	1	99	14.64	14.78	14.68		
20	QPSK	50	0	14.76	14.80	14.69	16	0
20	QPSK	50	24	14.66	14.78	14.72		
20	QPSK	50	50	14.66	14.70	14.66		
20	QPSK	100	0	14.64	14.75	14.69		
20	16QAM	1	0	14.56	14.67	14.53	16	0
20	16QAM	1	49	14.46	14.60	14.47		
20	16QAM	1	99	14.56	14.62	14.52		
20	16QAM	50	0	14.44	14.59	14.49	16	0
20	16QAM	50	24	14.52	14.63	14.55		
20	16QAM	50	50	14.46	14.60	14.49		
20	16QAM	100	0	14.52	14.57	14.44		
20	64QAM	1	0	14.38	14.52	14.39	16	0
20	64QAM	1	49	14.44	14.50	14.45		
20	64QAM	1	99	14.41	14.45	14.41		
20	64QAM	50	0	14.44	14.53	14.39	16	0
20	64QAM	50	24	14.45	14.58	14.53		
20	64QAM	50	50	14.38	14.48	14.34		
20	64QAM	100	0	14.30	14.42	14.38		
Channel				37750	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	14.69	14.79	14.66	16	0
15	QPSK	1	37	14.62	14.69	14.61		
15	QPSK	1	74	14.55	14.67	14.55		
15	QPSK	36	0	14.70	14.73	14.58	16	0
15	QPSK	36	20	14.53	14.74	14.68		
15	QPSK	36	39	14.58	14.65	14.52		
15	QPSK	75	0	14.51	14.68	14.57		
15	16QAM	1	0	14.51	14.60	14.39	16	0
15	16QAM	1	37	14.36	14.55	14.36		
15	16QAM	1	74	14.49	14.51	14.41		
15	16QAM	36	0	14.29	14.52	14.45	16	0
15	16QAM	36	20	14.42	14.55	14.40		
15	16QAM	36	39	14.32	14.51	14.46		
15	16QAM	75	0	14.41	14.43	14.36		
15	64QAM	1	0	14.32	14.46	14.27	16	0
15	64QAM	1	37	14.35	14.41	14.32		
15	64QAM	1	74	14.26	14.41	14.36		
15	64QAM	36	0	14.40	14.44	14.31	16	0
15	64QAM	36	20	14.39	14.50	14.39		
15	64QAM	36	39	14.32	14.41	14.29		
15	64QAM	75	0	14.16	14.31	14.33		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2573	2595	2615		
10	QPSK	1	0	14.67	14.76	14.71	16	0
10	QPSK	1	25	14.59	14.75	14.59		
10	QPSK	1	49	14.60	14.66	14.62		
10	QPSK	25	0	14.63	14.72	14.66	16	0
10	QPSK	25	12	14.62	14.68	14.63		
10	QPSK	25	25	14.54	14.64	14.57		
10	QPSK	50	0	14.52	14.66	14.63		
10	16QAM	1	0	14.45	14.57	14.48	16	0
10	16QAM	1	25	14.36	14.51	14.38		
10	16QAM	1	49	14.47	14.54	14.46		
10	16QAM	25	0	14.39	14.52	14.40	16	0
10	16QAM	25	12	14.38	14.59	14.44		
10	16QAM	25	25	14.39	14.47	14.42		
10	16QAM	50	0	14.46	14.45	14.39		
10	64QAM	1	0	14.23	14.45	14.25	16	0
10	64QAM	1	25	14.39	14.42	14.30		
10	64QAM	1	49	14.33	14.39	14.37		
10	64QAM	25	0	14.41	14.41	14.36	16	0
10	64QAM	25	12	14.31	14.47	14.46		
10	64QAM	25	25	14.34	14.43	14.28		
10	64QAM	50	0	14.18	14.27	14.25		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	14.66	14.81	14.70	16	0
5	QPSK	1	12	14.63	14.74	14.69		
5	QPSK	1	24	14.54	14.69	14.54		
5	QPSK	12	0	14.65	14.73	14.61	16	0
5	QPSK	12	7	14.55	14.69	14.68		
5	QPSK	12	13	14.59	14.66	14.53		
5	QPSK	25	0	14.59	14.61	14.60		
5	16QAM	1	0	14.48	14.53	14.45	16	0
5	16QAM	1	12	14.34	14.55	14.44		
5	16QAM	1	24	14.52	14.56	14.38		
5	16QAM	12	0	14.33	14.47	14.40	16	0
5	16QAM	12	7	14.49	14.56	14.50		
5	16QAM	12	13	14.38	14.45	14.44		
5	16QAM	25	0	14.43	14.50	14.35		
5	64QAM	1	0	14.35	14.40	14.27	16	0
5	64QAM	1	12	14.38	14.36	14.41		
5	64QAM	1	24	14.28	14.34	14.36		
5	64QAM	12	0	14.31	14.49	14.32	16	0
5	64QAM	12	7	14.33	14.52	14.41		
5	64QAM	12	13	14.27	14.33	14.25		
5	64QAM	25	0	14.17	14.38	14.27		

Band 41 Ant4 ECI2

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	14.67	14.72	14.79	14.74	14.65	16	0
20	QPSK	1	49	14.58	14.66	14.67	14.59	14.56		
20	QPSK	1	99	14.62	14.51	14.73	14.63	14.63		
20	QPSK	50	0	14.62	14.66	14.74	14.64	14.64	16	0
20	QPSK	50	24	14.59	14.57	14.70	14.61	14.62		
20	QPSK	50	50	14.54	14.54	14.58	14.53	14.47		
20	QPSK	100	0	14.64	14.55	14.72	14.64	14.58		
20	16QAM	1	0	14.40	14.51	14.62	14.38	14.53	16	0
20	16QAM	1	49	14.37	14.31	14.47	14.36	14.34		
20	16QAM	1	99	14.49	14.51	14.52	14.38	14.37		
20	16QAM	50	0	14.43	14.31	14.46	14.42	14.42	16	0
20	16QAM	50	24	14.37	14.44	14.50	14.49	14.45		
20	16QAM	50	50	14.39	14.37	14.54	14.36	14.41		
20	16QAM	100	0	14.33	14.41	14.46	14.30	14.33		
20	64QAM	1	0	14.42	14.33	14.48	14.32	14.35	16	0
20	64QAM	1	49	14.35	14.37	14.40	14.34	14.32		
20	64QAM	1	99	14.23	14.32	14.30	14.31	14.16		
20	64QAM	50	0	14.34	14.32	14.47	14.31	14.41	16	0
20	64QAM	50	24	14.45	14.33	14.54	14.46	14.42		
20	64QAM	50	50	14.20	14.34	14.34	14.25	14.23		
20	64QAM	100	0	14.35	14.22	14.38	14.33	14.25		
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	14.52	14.68	14.76	14.68	14.52	16	0
15	QPSK	1	37	14.44	14.61	14.54	14.47	14.48		
15	QPSK	1	74	14.57	14.45	14.66	14.50	14.50		
15	QPSK	36	0	14.56	14.56	14.56	14.56	14.60	16	0
15	QPSK	36	20	14.49	14.43	14.60	14.58	14.55		
15	QPSK	36	39	14.45	14.51	14.44	14.49	14.39		
15	QPSK	75	0	14.50	14.52	14.60	14.61	14.45		
15	16QAM	1	0	14.36	14.40	14.49	14.29	14.39	16	0
15	16QAM	1	37	14.33	14.25	14.37	14.24	14.29		
15	16QAM	1	74	14.42	14.38	14.47	14.33	14.24		
15	16QAM	36	0	14.30	14.24	14.41	14.33	14.32	16	0
15	16QAM	36	20	14.33	14.37	14.43	14.42	14.41		
15	16QAM	36	39	14.25	14.23	14.50	14.33	14.28		
15	16QAM	75	0	14.25	14.30	14.38	14.24	14.27		
15	64QAM	1	0	14.30	14.24	14.44	14.22	14.23	16	0
15	64QAM	1	37	14.31	14.23	14.26	14.24	14.17		
15	64QAM	1	74	14.17	14.29	14.16	14.24	14.08		
15	64QAM	36	0	14.28	14.28	14.39	14.27	14.34	16	0
15	64QAM	36	20	14.34	14.21	14.43	14.40	14.33		
15	64QAM	36	39	14.16	14.27	14.23	14.14	14.19		
15	64QAM	75	0	14.26	14.16	14.29	14.25	14.22		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.53	14.63	14.72	14.68	14.58	16	0
10	QPSK	1	25	14.47	14.62	14.57	14.48	14.47		
10	QPSK	1	49	14.51	14.42	14.61	14.60	14.53		
10	QPSK	25	0	14.50	14.63	14.69	14.59	14.57	16	0
10	QPSK	25	12	14.54	14.49	14.57	14.51	14.59		
10	QPSK	25	25	14.40	14.50	14.44	14.47	14.38		
10	QPSK	50	0	14.56	14.43	14.62	14.55	14.53		
10	16QAM	1	0	14.38	14.40	14.50	14.27	14.41	16	0
10	16QAM	1	25	14.27	14.24	14.38	14.25	14.24		
10	16QAM	1	49	14.34	14.46	14.38	14.24	14.33		
10	16QAM	25	0	14.40	14.19	14.37	14.31	14.35	16	0
10	16QAM	25	12	14.27	14.38	14.41	14.37	14.37		
10	16QAM	25	25	14.30	14.34	14.42	14.28	14.27		
10	16QAM	50	0	14.28	14.37	14.36	14.24	14.24		
10	64QAM	1	0	14.32	14.20	14.41	14.18	14.24	16	0
10	64QAM	1	25	14.32	14.26	14.31	14.25	14.20		
10	64QAM	1	49	14.09	14.24	14.20	14.18	14.07		
10	64QAM	25	0	14.29	14.19	14.36	14.21	14.34	16	0
10	64QAM	25	12	14.42	14.25	14.46	14.31	14.34		
10	64QAM	25	25	14.14	14.26	14.27	14.21	14.11		
10	64QAM	50	0	14.21	14.15	14.30	14.30	14.21		
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	14.57	14.66	14.69	14.60	14.56	16	0
5	QPSK	1	12	14.49	14.63	14.53	14.56	14.47		
5	QPSK	1	24	14.56	14.46	14.66	14.60	14.51		
5	QPSK	12	0	14.57	14.53	14.60	14.57	14.57	16	0
5	QPSK	12	7	14.45	14.50	14.59	14.56	14.49		
5	QPSK	12	13	14.40	14.42	14.53	14.46	14.36		
5	QPSK	25	0	14.49	14.42	14.66	14.57	14.53		
5	16QAM	1	0	14.43	14.46	14.56	14.26	14.42	16	0
5	16QAM	1	12	14.33	14.21	14.33	14.32	14.24		
5	16QAM	1	24	14.37	14.39	14.39	14.27	14.34		
5	16QAM	12	0	14.34	14.21	14.41	14.29	14.34	16	0
5	16QAM	12	7	14.32	14.41	14.38	14.35	14.38		
5	16QAM	12	13	14.26	14.23	14.47	14.27	14.33		
5	16QAM	25	0	14.28	14.26	14.37	14.20	14.19		
5	64QAM	1	0	14.38	14.24	14.44	14.20	14.30	16	0
5	64QAM	1	12	14.25	14.29	14.30	14.23	14.21		
5	64QAM	1	24	14.13	14.22	14.18	14.24	14.06		
5	64QAM	12	0	14.27	14.22	14.38	14.27	14.34	16	0
5	64QAM	12	7	14.38	14.20	14.48	14.40	14.28		
5	64QAM	12	13	14.14	14.30	14.22	14.14	14.11		
5	64QAM	25	0	14.28	14.17	14.23	14.26	14.14		

Band 41 HPUE

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	17.52	17.50	17.63	17.53	17.43	19	0
20	QPSK	1	49	17.43	17.41	17.50	17.42	17.41		
20	QPSK	1	99	17.44	17.32	17.48	17.45	17.47		
20	QPSK	50	0	17.49	17.50	17.58	17.42	17.43	19	0
20	QPSK	50	24	17.43	17.39	17.55	17.36	17.37		
20	QPSK	50	50	17.32	17.31	17.35	17.32	17.32		
20	QPSK	100	0	17.44	17.38	17.55	17.43	17.40		
20	16QAM	1	0	17.36	17.36	17.46	17.15	17.41	19	0
20	16QAM	1	49	17.22	17.17	17.27	17.20	17.25		
20	16QAM	1	99	17.28	17.32	17.32	17.25	17.25		
20	16QAM	50	0	17.23	17.11	17.22	17.29	17.34	19	0
20	16QAM	50	24	17.18	17.30	17.35	17.30	17.42		
20	16QAM	50	50	17.19	17.20	17.30	17.17	17.31		
20	16QAM	100	0	17.12	17.16	17.28	17.20	17.23		
20	64QAM	1	0	17.25	17.23	17.32	17.11	17.23	19	0
20	64QAM	1	49	17.21	17.20	17.22	17.12	17.26		
20	64QAM	1	99	17.14	17.22	17.26	17.16	17.18		
20	64QAM	50	0	17.18	17.12	17.29	17.14	17.33	19	0
20	64QAM	50	24	17.23	17.17	17.35	17.25	17.35		
20	64QAM	50	50	17.18	17.14	17.19	17.16	17.45		
20	64QAM	100	0	17.21	17.18	17.22	17.12	17.23		
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	17.41	17.47	17.57	17.42	17.38	19	0
15	QPSK	1	37	17.36	17.34	17.43	17.27	17.33		
15	QPSK	1	74	17.40	17.21	17.40	17.40	17.34		
15	QPSK	36	0	17.39	17.40	17.55	17.31	17.37	19	0
15	QPSK	36	20	17.35	17.26	17.48	17.29	17.23		
15	QPSK	36	39	17.22	17.26	17.30	17.25	17.29		
15	QPSK	75	0	17.40	17.35	17.44	17.39	17.29		
15	16QAM	1	0	17.25	17.29	17.33	17.03	17.36	19	0
15	16QAM	1	37	17.16	17.13	17.19	17.09	17.14		
15	16QAM	1	74	17.18	17.24	17.19	17.21	17.17		
15	16QAM	36	0	17.16	17.02	17.16	17.18	17.28	19	0
15	16QAM	36	20	17.04	17.23	17.27	17.16	17.31		
15	16QAM	36	39	17.09	17.05	17.25	17.13	17.23		
15	16QAM	75	0	17.04	17.05	17.20	17.05	17.10		
15	64QAM	1	0	17.21	17.19	17.22	17.09	17.17	19	0
15	64QAM	1	37	17.10	17.11	17.09	17.05	17.22		
15	64QAM	1	74	17.02	17.17	17.20	17.06	17.04		
15	64QAM	36	0	17.04	17.00	17.20	17.00	17.28	19	0
15	64QAM	36	20	17.19	17.11	17.27	17.17	17.25		
15	64QAM	36	39	17.09	17.11	17.06	17.06	17.35		
15	64QAM	75	0	17.09	17.12	17.13	17.03	17.18		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.39	17.42	17.49	17.47	17.35	19	0
10	QPSK	1	25	17.40	17.33	17.46	17.30	17.29		
10	QPSK	1	49	17.38	17.25	17.40	17.33	17.34		
10	QPSK	25	0	17.45	17.41	17.45	17.38	17.39	19	0
10	QPSK	25	12	17.30	17.24	17.49	17.32	17.29		
10	QPSK	25	25	17.21	17.25	17.31	17.22	17.27		
10	QPSK	50	0	17.39	17.31	17.42	17.29	17.37		
10	16QAM	1	0	17.23	17.24	17.39	17.02	17.37	19	0
10	16QAM	1	25	17.19	17.03	17.19	17.09	17.14		
10	16QAM	1	49	17.16	17.26	17.23	17.14	17.18		
10	16QAM	25	0	17.11	17.04	17.09	17.24	17.30	19	0
10	16QAM	25	12	17.10	17.22	17.31	17.26	17.32		
10	16QAM	25	25	17.15	17.08	17.22	17.08	17.16		
10	16QAM	50	0	17.01	17.06	17.18	17.15	17.14		
10	64QAM	1	0	17.16	17.14	17.26	17.22	17.14	19	0
10	64QAM	1	25	17.09	17.11	17.09	17.06	17.12		
10	64QAM	1	49	17.08	17.17	17.13	17.05	17.10		
10	64QAM	25	0	17.08	17.07	17.18	17.03	17.22	19	0
10	64QAM	25	12	17.19	17.11	17.21	17.13	17.22		
10	64QAM	25	25	17.07	17.05	17.15	17.03	17.31		
10	64QAM	50	0	17.13	17.10	17.19	17.09	17.20		
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	17.44	17.41	17.54	17.43	17.38	19	0
5	QPSK	1	12	17.30	17.37	17.47	17.31	17.31		
5	QPSK	1	24	17.36	17.25	17.33	17.32	17.32		
5	QPSK	12	0	17.45	17.38	17.44	17.30	17.28	19	0
5	QPSK	12	7	17.31	17.36	17.48	17.27	17.23		
5	QPSK	12	13	17.19	17.23	17.31	17.19	17.18		
5	QPSK	25	0	17.30	17.30	17.44	17.29	17.30		
5	16QAM	1	0	17.22	17.30	17.38	17.10	17.29	19	0
5	16QAM	1	12	17.11	17.09	17.13	17.10	17.21		
5	16QAM	1	24	17.13	17.23	17.20	17.14	17.20		
5	16QAM	12	0	17.09	17.03	17.14	17.23	17.21	19	0
5	16QAM	12	7	17.04	17.22	17.25	17.23	17.38		
5	16QAM	12	13	17.05	17.07	17.22	17.13	17.25		
5	16QAM	25	0	17.00	17.07	17.23	17.05	17.13		
5	64QAM	1	0	17.22	17.08	17.25	17.18	17.15	19	0
5	64QAM	1	12	17.12	17.13	17.17	17.02	17.17		
5	64QAM	1	24	17.09	17.18	17.16	17.03	17.05		
5	64QAM	12	0	17.12	17.03	17.24	17.09	17.25	19	0
5	64QAM	12	7	17.14	17.13	17.26	17.12	17.26		
5	64QAM	12	13	17.04	17.10	17.08	17.01	17.31		
5	64QAM	25	0	17.06	17.08	17.12	17.05	17.10		

ECI3 Power for WWAN Main PA

	GSM850 Ant0 ECI3							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	29.32	29.27	29.13	30.50	20.32	20.27	20.13	21.50
GPRS 1 Tx slot	29.26	29.27	29.17	30.50	20.26	20.27	20.17	21.50
GPRS 2 Tx slots	28.21	28.37	28.20	29.50	22.21	22.37	22.20	23.50
GPRS 3 Tx slots	26.37	26.53	26.53	27.50	22.11	22.27	22.27	23.24
GPRS 4 Tx slots	25.34	25.43	25.20	26.50	22.34	22.43	22.20	23.50
EDGE 1 Tx slot	26.32	26.43	26.41	27.50	17.32	17.43	17.41	18.50
EDGE 2 Tx slots	25.16	25.10	25.31	26.00	19.16	19.10	19.31	20.00
EDGE 3 Tx slots	22.88	22.91	22.89	24.00	18.62	18.65	18.63	19.74
EDGE 4 Tx slots	21.38	21.49	21.52	22.50	18.38	18.49	18.52	19.50

	GSM1900 Ant0 ECI3							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	22.56	22.56	22.48	23.50	13.56	13.56	13.48	14.50
GPRS 1 Tx slot	22.52	22.55	22.46	23.50	13.52	13.55	13.46	14.50
GPRS 2 Tx slots	21.32	21.36	21.12	22.50	15.32	15.36	15.12	16.50
GPRS 3 Tx slots	19.29	19.35	19.15	20.50	15.03	15.09	14.89	16.24
GPRS 4 Tx slots	18.30	18.45	18.13	19.50	15.30	15.45	15.13	16.50
EDGE 1 Tx slot	18.39	18.29	18.22	19.50	9.39	9.29	9.22	10.50
EDGE 2 Tx slots	17.29	16.85	16.84	18.00	11.29	10.85	10.84	12.00
EDGE 3 Tx slots	15.26	15.21	15.25	16.00	11.00	10.95	10.99	11.74
EDGE 4 Tx slots	14.29	14.25	14.21	15.00	11.29	11.25	11.21	12.00

		WCDMA II Ant0 ECI3				WCDMA IV Ant0 ECI3				WCDMA V Ant0 ECI3			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	16.47	16.52	16.49	18.00	18.13	18.15	18.14	19.50	21.75	21.73	21.77	23.00
3GPP Rel 99	RMC 12.2Kbps	16.57	16.63	16.60	18.00	18.25	18.31	18.19	19.50	21.83	21.92	21.76	23.00
3GPP Rel 6	HSDPA Subtest-1	16.51	16.62	16.56	17.00	18.15	18.26	18.24	18.50	21.85	21.91	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	16.53	16.57	16.50	17.00	18.08	18.15	18.03	18.50	21.75	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	16.01	16.07	16.01	16.50	17.65	17.74	17.73	18.00	21.30	21.35	21.33	22.50
3GPP Rel 6	HSDPA Subtest-4	16.06	16.07	16.00	16.50	17.56	17.64	17.55	18.00	21.09	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.54	16.61	16.55	17.00	18.08	18.24	18.23	18.50	21.79	21.77	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.37	16.57	16.54	17.00	18.10	18.27	18.17	18.50	21.71	21.84	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.06	16.08	16.00	16.50	17.63	17.74	17.73	18.00	21.20	21.35	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.05	16.07	15.98	16.50	17.52	17.60	17.55	18.00	21.15	21.19	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	16.52	16.56	16.50	17.00	18.13	18.11	18.07	18.50	21.67	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-2	14.51	14.58	14.48	15.00	16.11	16.14	16.10	16.50	19.70	19.80	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	15.52	15.58	15.52	16.00	17.14	17.09	17.07	17.50	20.95	20.85	20.91	22.00
3GPP Rel 6	HSUPA Subtest-4	14.56	14.55	14.50	15.00	16.11	16.12	16.10	16.50	19.67	19.79	19.63	21.00
3GPP Rel 6	HSUPA Subtest-5	16.51	16.54	16.49	17.00	18.08	18.15	18.08	18.50	21.64	21.85	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.02	14.09	13.99	14.50	15.60	15.63	15.59	16.00	19.31	19.52	19.36	20.50

Band 2 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.27	16.49	16.20	18	0
20	QPSK	1	49	16.25	16.37	16.10		
20	QPSK	1	99	16.21	16.16	16.21		
20	QPSK	50	0	16.35	16.45	16.41	18	0
20	QPSK	50	24	16.16	16.34	16.23		
20	QPSK	50	50	16.13	16.13	16.26		
20	QPSK	100	0	16.19	16.29	16.28		
20	16QAM	1	0	16.27	16.24	16.14	18	0
20	16QAM	1	49	16.27	16.18	16.21		
20	16QAM	1	99	16.25	16.28	16.25		
20	16QAM	50	0	16.17	16.36	16.24	18	0
20	16QAM	50	24	16.12	16.21	16.32		
20	16QAM	50	50	16.29	16.44	16.31		
20	16QAM	100	0	16.21	16.28	16.31		
20	64QAM	1	0	16.12	16.13	16.17	18	0
20	64QAM	1	49	16.24	16.42	16.24		
20	64QAM	1	99	16.15	16.32	16.30		
20	64QAM	50	0	16.12	16.24	16.11	18	0
20	64QAM	50	24	16.28	16.45	16.39		
20	64QAM	50	50	16.10	16.19	16.32		
20	64QAM	100	0	16.18	16.34	16.27		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.22	16.14	16.31	18	0
15	QPSK	1	37	16.22	16.06	16.18		
15	QPSK	1	74	16.06	16.08	16.19		
15	QPSK	36	0	16.19	16.19	16.27	18	0
15	QPSK	36	20	16.10	16.20	16.22		
15	QPSK	36	39	16.06	16.03	16.08		
15	QPSK	75	0	16.12	16.24	16.15		
15	16QAM	1	0	16.21	16.06	16.02	18	0
15	16QAM	1	37	16.06	16.05	16.21		
15	16QAM	1	74	16.18	16.36	16.27		
15	16QAM	36	0	16.24	16.09	16.16	18	0
15	16QAM	36	20	16.05	16.25	16.16		
15	16QAM	36	39	16.08	16.30	16.11		
15	16QAM	75	0	16.05	16.27	16.04		
15	64QAM	1	0	16.10	16.11	16.12	18	0
15	64QAM	1	37	16.27	16.15	16.19		
15	64QAM	1	74	16.22	16.11	16.04		
15	64QAM	36	0	16.18	16.20	16.01	18	0
15	64QAM	36	20	16.23	16.26	16.25		
15	64QAM	36	39	16.15	16.10	16.05		
15	64QAM	75	0	16.24	16.04	16.22		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.18	16.15	16.29	18	0
10	QPSK	1	25	16.05	16.24	16.14		
10	QPSK	1	49	16.19	16.16	16.15		
10	QPSK	25	0	16.09	16.38	16.09	18	0
10	QPSK	25	12	16.18	16.06	16.16		
10	QPSK	25	25	16.20	16.11	16.10		
10	QPSK	50	0	16.10	16.24	16.23		
10	16QAM	1	0	16.08	16.08	16.02	18	0
10	16QAM	1	25	16.24	16.16	16.12		
10	16QAM	1	49	16.28	16.16	16.25		
10	16QAM	25	0	16.18	16.09	16.03	18	0
10	16QAM	25	12	16.03	16.17	16.06		
10	16QAM	25	25	16.31	16.36	16.30		
10	16QAM	50	0	16.24	16.17	16.06		
10	64QAM	1	0	16.04	16.07	16.01	18	0
10	64QAM	1	25	16.11	16.15	16.21		
10	64QAM	1	49	16.17	16.15	16.04		
10	64QAM	25	0	16.19	16.08	16.04	18	0
10	64QAM	25	12	16.10	16.31	16.16		
10	64QAM	25	25	16.12	16.14	16.05		
10	64QAM	50	0	16.22	16.23	16.16		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.26	16.33	16.09	18	0
5	QPSK	1	12	16.18	16.18	16.07		
5	QPSK	1	24	16.14	16.03	16.14		
5	QPSK	12	0	16.16	16.26	16.18	18	0
5	QPSK	12	7	16.03	16.06	16.14		
5	QPSK	12	13	16.17	16.05	16.19		
5	QPSK	25	0	16.15	16.35	16.18		
5	16QAM	1	0	16.19	16.07	16.09	18	0
5	16QAM	1	12	16.24	16.23	16.04		
5	16QAM	1	24	16.09	16.20	16.29		
5	16QAM	12	0	16.16	16.18	16.22	18	0
5	16QAM	12	7	16.24	16.02	16.10		
5	16QAM	12	13	16.13	16.22	16.19		
5	16QAM	25	0	16.05	16.17	16.05		
5	64QAM	1	0	16.00	16.25	16.11	18	0
5	64QAM	1	12	16.29	16.32	16.33		
5	64QAM	1	24	16.12	16.06	16.00		
5	64QAM	12	0	16.10	16.14	16.21	18	0
5	64QAM	12	7	16.23	16.20	16.21		
5	64QAM	12	13	16.07	16.26	16.00		
5	64QAM	25	0	16.13	16.13	16.14		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.14	16.21	16.19	18	0
3	QPSK	1	8	16.20	16.24	16.05		
3	QPSK	1	14	16.15	16.11	16.02		
3	QPSK	8	0	16.14	16.33	16.26	18	0
3	QPSK	8	4	16.21	16.14	16.02		
3	QPSK	8	7	16.21	16.21	16.02		
3	QPSK	15	0	16.13	16.34	16.26		
3	16QAM	1	0	16.22	16.16	16.01	18	0
3	16QAM	1	8	16.19	16.16	16.00		
3	16QAM	1	14	16.14	16.24	16.15		
3	16QAM	8	0	16.08	16.20	16.02	18	0
3	16QAM	8	4	16.03	16.19	16.03		
3	16QAM	8	7	16.17	16.20	16.20		
3	16QAM	15	0	16.20	16.13	16.04		
3	64QAM	1	0	16.03	16.02	16.00	18	0
3	64QAM	1	8	16.12	16.23	16.15		
3	64QAM	1	14	16.15	16.09	16.09		
3	64QAM	8	0	16.05	16.18	16.13	18	0
3	64QAM	8	4	16.25	16.38	16.15		
3	64QAM	8	7	16.20	16.25	16.16		
3	64QAM	15	0	16.13	16.03	16.11		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.30	16.35	16.16	18	0
1.4	QPSK	1	3	16.01	16.06	16.19		
1.4	QPSK	1	5	16.21	16.18	16.03		
1.4	QPSK	3	0	16.22	16.21	16.16		
1.4	QPSK	3	1	16.16	16.11	16.05		
1.4	QPSK	3	3	16.21	16.16	16.01		
1.4	QPSK	6	0	16.10	16.16	16.25	18	0
1.4	16QAM	1	0	16.22	16.26	16.01	18	0
1.4	16QAM	1	3	16.23	16.16	16.15		
1.4	16QAM	1	5	16.11	16.15	16.13		
1.4	16QAM	3	0	16.11	16.21	16.18		
1.4	16QAM	3	1	16.17	16.06	16.11		
1.4	16QAM	3	3	16.10	16.34	16.09		
1.4	16QAM	6	0	16.09	16.18	16.06	18	0
1.4	64QAM	1	0	16.19	16.20	16.08	18	0
1.4	64QAM	1	3	16.11	16.30	16.23		
1.4	64QAM	1	5	16.04	16.20	16.22		
1.4	64QAM	3	0	16.19	16.11	16.01		
1.4	64QAM	3	1	16.30	16.33	16.21		
1.4	64QAM	3	3	16.10	16.14	16.07		
1.4	64QAM	6	0	16.18	16.15	16.18	18	0

Band 4 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.35	17.55	17.28	19	0
20	QPSK	1	49	17.31	17.47	17.27		
20	QPSK	1	99	17.34	17.52	17.28		
20	QPSK	50	0	17.32	17.53	17.27	19	0
20	QPSK	50	24	17.31	17.50	17.31		
20	QPSK	50	50	17.31	17.51	17.30		
20	QPSK	100	0	17.33	17.50	17.32		
20	16QAM	1	0	17.36	17.51	17.26	19	0
20	16QAM	1	49	17.32	17.48	17.28		
20	16QAM	1	99	17.33	17.50	17.32		
20	16QAM	50	0	17.32	17.51	17.27	19	0
20	16QAM	50	24	17.33	17.50	17.29		
20	16QAM	50	50	17.30	17.46	17.30		
20	16QAM	100	0	17.31	17.47	17.32		
20	64QAM	1	0	17.31	17.47	17.27	19	0
20	64QAM	1	49	17.31	17.51	17.27		
20	64QAM	1	99	17.30	17.48	17.27		
20	64QAM	50	0	17.34	17.50	17.30	19	0
20	64QAM	50	24	17.32	17.48	17.29		
20	64QAM	50	50	17.33	17.52	17.31		
20	64QAM	100	0	17.32	17.48	17.28		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.22	17.43	17.19	19	0
15	QPSK	1	37	17.23	17.40	17.20		
15	QPSK	1	74	17.27	17.43	17.20		
15	QPSK	36	0	17.19	17.43	17.16	19	0
15	QPSK	36	20	17.24	17.39	17.24		
15	QPSK	36	39	17.20	17.40	17.22		
15	QPSK	75	0	17.23	17.42	17.22		
15	16QAM	1	0	17.27	17.43	17.18	19	0
15	16QAM	1	37	17.20	17.39	17.21		
15	16QAM	1	74	17.22	17.41	17.21		
15	16QAM	36	0	17.22	17.39	17.17	19	0
15	16QAM	36	20	17.25	17.39	17.19		
15	16QAM	36	39	17.21	17.37	17.18		
15	16QAM	75	0	17.20	17.34	17.24		
15	64QAM	1	0	17.18	17.35	17.19	19	0
15	64QAM	1	37	17.23	17.42	17.17		
15	64QAM	1	74	17.21	17.37	17.18		
15	64QAM	36	0	17.25	17.40	17.19	19	0
15	64QAM	36	20	17.24	17.41	17.21		
15	64QAM	36	39	17.20	17.43	17.20		
15	64QAM	75	0	17.22	17.37	17.20		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.22	17.43	17.19	19	0
10	QPSK	1	25	17.23	17.40	17.20		
10	QPSK	1	49	17.27	17.43	17.20		
10	QPSK	25	0	17.19	17.43	17.16	19	0
10	QPSK	25	12	17.24	17.39	17.24		
10	QPSK	25	25	17.20	17.40	17.22		
10	QPSK	50	0	17.23	17.42	17.22		
10	16QAM	1	0	17.27	17.43	17.18	19	0
10	16QAM	1	25	17.20	17.39	17.21		
10	16QAM	1	49	17.22	17.41	17.21		
10	16QAM	25	0	17.22	17.39	17.17	19	0
10	16QAM	25	12	17.25	17.39	17.19		
10	16QAM	25	25	17.21	17.37	17.18		
10	16QAM	50	0	17.20	17.34	17.24		
10	64QAM	1	0	17.18	17.35	17.19	19	0
10	64QAM	1	25	17.23	17.42	17.17		
10	64QAM	1	49	17.21	17.37	17.18		
10	64QAM	25	0	17.25	17.40	17.19	19	0
10	64QAM	25	12	17.24	17.41	17.21		
10	64QAM	25	25	17.20	17.43	17.20		
10	64QAM	50	0	17.22	17.37	17.20		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.22	17.43	17.19	19	0
5	QPSK	1	12	17.23	17.40	17.20		
5	QPSK	1	24	17.27	17.43	17.20		
5	QPSK	12	0	17.19	17.43	17.16	19	0
5	QPSK	12	7	17.24	17.39	17.24		
5	QPSK	12	13	17.20	17.40	17.22		
5	QPSK	25	0	17.23	17.42	17.22		
5	16QAM	1	0	17.27	17.43	17.18	19	0
5	16QAM	1	12	17.20	17.39	17.21		
5	16QAM	1	24	17.22	17.41	17.21		
5	16QAM	12	0	17.22	17.39	17.17	19	0
5	16QAM	12	7	17.25	17.39	17.19		
5	16QAM	12	13	17.21	17.37	17.18		
5	16QAM	25	0	17.20	17.34	17.24		
5	64QAM	1	0	17.18	17.35	17.19	19	0
5	64QAM	1	12	17.23	17.42	17.17		
5	64QAM	1	24	17.21	17.37	17.18		
5	64QAM	12	0	17.25	17.40	17.19	19	0
5	64QAM	12	7	17.24	17.41	17.21		
5	64QAM	12	13	17.20	17.43	17.20		
5	64QAM	25	0	17.22	17.37	17.20		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.22	17.43	17.19	19	0
3	QPSK	1	8	17.23	17.40	17.20		
3	QPSK	1	14	17.27	17.43	17.20		
3	QPSK	8	0	17.19	17.43	17.16	19	0
3	QPSK	8	4	17.24	17.39	17.24		
3	QPSK	8	7	17.20	17.40	17.22		
3	QPSK	15	0	17.23	17.42	17.22		
3	16QAM	1	0	17.27	17.43	17.18	19	0
3	16QAM	1	8	17.20	17.39	17.21		
3	16QAM	1	14	17.22	17.41	17.21		
3	16QAM	8	0	17.22	17.39	17.17	19	0
3	16QAM	8	4	17.25	17.39	17.19		
3	16QAM	8	7	17.21	17.37	17.18		
3	16QAM	15	0	17.20	17.34	17.24		
3	64QAM	1	0	17.18	17.35	17.19	19	0
3	64QAM	1	8	17.23	17.42	17.17		
3	64QAM	1	14	17.21	17.37	17.18		
3	64QAM	8	0	17.25	17.40	17.19	19	0
3	64QAM	8	4	17.24	17.41	17.21		
3	64QAM	8	7	17.20	17.43	17.20		
3	64QAM	15	0	17.22	17.37	17.20		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.22	17.43	17.19	19	0
1.4	QPSK	1	3	17.23	17.40	17.20		
1.4	QPSK	1	5	17.27	17.43	17.20		
1.4	QPSK	3	0	17.19	17.43	17.16		
1.4	QPSK	3	1	17.24	17.39	17.24		
1.4	QPSK	3	3	17.20	17.40	17.22		
1.4	QPSK	6	0	17.23	17.42	17.22	19	0
1.4	16QAM	1	0	17.27	17.43	17.18	19	0
1.4	16QAM	1	3	17.20	17.39	17.21		
1.4	16QAM	1	5	17.22	17.41	17.21		
1.4	16QAM	3	0	17.22	17.39	17.17		
1.4	16QAM	3	1	17.25	17.39	17.19		
1.4	16QAM	3	3	17.21	17.37	17.18		
1.4	16QAM	6	0	17.20	17.34	17.24	19	0
1.4	64QAM	1	0	17.18	17.35	17.19	19	0
1.4	64QAM	1	3	17.23	17.42	17.17		
1.4	64QAM	1	5	17.21	17.37	17.18		
1.4	64QAM	3	0	17.25	17.40	17.19		
1.4	64QAM	3	1	17.24	17.41	17.21		
1.4	64QAM	3	3	17.20	17.43	17.20		
1.4	64QAM	6	0	17.22	17.37	17.20	19	0

Band 12 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.60	22.67	22.63	24	0
10	QPSK	1	25	22.54	22.57	22.47		
10	QPSK	1	49	22.37	22.56	22.48		
10	QPSK	25	0	21.56	21.62	21.47	23	1
10	QPSK	25	12	21.54	21.58	21.42		
10	QPSK	25	25	21.40	21.50	21.46		
10	QPSK	50	0	21.54	21.58	21.49		
10	16QAM	1	0	21.43	21.48	21.47	23	1
10	16QAM	1	25	21.29	21.46	21.41		
10	16QAM	1	49	21.27	21.38	21.26		
10	16QAM	25	0	20.59	20.64	20.59	22	2
10	16QAM	25	12	20.50	20.53	20.40		
10	16QAM	25	25	20.48	20.56	20.49		
10	16QAM	50	0	20.51	20.58	20.45		
10	64QAM	1	0	20.53	20.63	20.53	22	2
10	64QAM	1	25	20.55	20.61	20.50		
10	64QAM	1	49	20.49	20.55	20.51		
10	64QAM	25	0	19.54	19.56	19.48	21	3
10	64QAM	25	12	19.36	19.50	19.47		
10	64QAM	25	25	19.44	19.54	19.42		
10	64QAM	50	0	19.41	19.55	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.63	22.59	24	0
5	QPSK	1	12	22.52	22.53	22.43		
5	QPSK	1	24	22.31	22.49	22.45		
5	QPSK	12	0	21.51	21.56	21.42	23	1
5	QPSK	12	7	21.46	21.52	21.36		
5	QPSK	12	13	21.37	21.47	21.42		
5	QPSK	25	0	21.50	21.55	21.46		
5	16QAM	1	0	21.35	21.44	21.44	23	1
5	16QAM	1	12	21.25	21.38	21.34		
5	16QAM	1	24	21.19	21.31	21.22		
5	16QAM	12	0	20.57	20.59	20.56	22	2
5	16QAM	12	7	20.45	20.47	20.35		
5	16QAM	12	13	20.44	20.50	20.42		
5	16QAM	25	0	20.43	20.56	20.42		
5	64QAM	1	0	20.48	20.56	20.49	22	2
5	64QAM	1	12	20.50	20.56	20.46		
5	64QAM	1	24	20.44	20.52	20.43		
5	64QAM	12	0	19.51	19.48	19.40	21	3
5	64QAM	12	7	19.28	19.44	19.40		
5	64QAM	12	13	19.41	19.50	19.39		
5	64QAM	25	0	19.38	19.48	19.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.54	22.64	22.57	24	0
3	QPSK	1	8	22.48	22.53	22.44		
3	QPSK	1	14	22.33	22.52	22.41		
3	QPSK	8	0	21.53	21.55	21.41	23	1
3	QPSK	8	4	21.46	21.56	21.39		
3	QPSK	8	7	21.34	21.42	21.43		
3	QPSK	15	0	21.47	21.55	21.44		
3	16QAM	1	0	21.38	21.44	21.40	23	1
3	16QAM	1	8	21.27	21.41	21.37		
3	16QAM	1	14	21.25	21.33	21.22		
3	16QAM	8	0	20.53	20.56	20.53	22	2
3	16QAM	8	4	20.42	20.45	20.35		
3	16QAM	8	7	20.42	20.51	20.42		
3	16QAM	15	0	20.46	20.55	20.40		
3	64QAM	1	0	20.46	20.58	20.47	22	2
3	64QAM	1	8	20.50	20.54	20.46		
3	64QAM	1	14	20.42	20.47	20.48		
3	64QAM	8	0	19.46	19.50	19.42	21	3
3	64QAM	8	4	19.31	19.46	19.40		
3	64QAM	8	7	19.38	19.47	19.34		
3	64QAM	15	0	19.33	19.51	19.47		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.56	22.62	22.57	24	0
1.4	QPSK	1	3	22.49	22.52	22.39		
1.4	QPSK	1	5	22.32	22.49	22.44		
1.4	QPSK	3	0	22.53	22.64	22.59		
1.4	QPSK	3	1	22.50	22.50	22.40		
1.4	QPSK	3	3	22.29	22.48	22.42		
1.4	QPSK	6	0	21.46	21.51	21.41	23	1
1.4	16QAM	1	0	21.40	21.42	21.42	23	1
1.4	16QAM	1	3	21.21	21.41	21.37		
1.4	16QAM	1	5	21.22	21.35	21.20		
1.4	16QAM	3	0	21.37	21.41	21.39		
1.4	16QAM	3	1	21.26	21.42	21.33		
1.4	16QAM	3	3	21.23	21.35	21.22		
1.4	16QAM	6	0	20.46	20.51	20.38	22	2
1.4	64QAM	1	0	20.45	20.57	20.49	22	2
1.4	64QAM	1	3	20.50	20.58	20.47		
1.4	64QAM	1	5	20.42	20.52	20.47		
1.4	64QAM	3	0	20.44	20.52	20.47		
1.4	64QAM	3	1	20.48	20.50	20.39		
1.4	64QAM	3	3	20.47	20.56	20.49		
1.4	64QAM	6	0	19.39	19.51	19.45	21	3

Band 17 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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.52	22.68	22.59	24	0
10	QPSK	1	25	22.50	22.51	22.45		
10	QPSK	1	49	22.34	22.52	22.46		
10	QPSK	25	0	21.49	21.56	21.41	23	1
10	QPSK	25	12	21.49	21.52	21.39		
10	QPSK	25	25	21.34	21.47	21.44		
10	QPSK	50	0	21.44	21.51	21.36		
10	16QAM	1	0	21.42	21.45	21.42	23	1
10	16QAM	1	25	21.19	21.38	21.34		
10	16QAM	1	49	21.22	21.30	21.23		
10	16QAM	25	0	20.54	20.51	20.53	22	2
10	16QAM	25	12	20.47	20.49	20.34		
10	16QAM	25	25	20.42	20.57	20.45		
10	16QAM	50	0	20.40	20.52	20.46		
10	64QAM	1	0	20.42	20.56	20.43	22	2
10	64QAM	1	25	20.47	20.57	20.39		
10	64QAM	1	49	20.45	20.48	20.39		
10	64QAM	25	0	19.52	19.51	19.42	21	3
10	64QAM	25	12	19.34	19.44	19.40		
10	64QAM	25	25	19.36	19.48	19.32		
10	64QAM	50	0	19.43	19.50	19.46		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.51	22.65	22.56	24	0
5	QPSK	1	12	22.45	22.47	22.45		
5	QPSK	1	24	22.29	22.51	22.44		
5	QPSK	12	0	21.45	21.55	21.38	23	1
5	QPSK	12	7	21.44	21.52	21.38		
5	QPSK	12	13	21.29	21.43	21.43		
5	QPSK	25	0	21.40	21.48	21.31		
5	16QAM	1	0	21.42	21.40	21.40	23	1
5	16QAM	1	12	21.17	21.36	21.32		
5	16QAM	1	24	21.22	21.27	21.22		
5	16QAM	12	0	20.54	20.46	20.50	22	2
5	16QAM	12	7	20.42	20.45	20.34		
5	16QAM	12	13	20.40	20.53	20.40		
5	16QAM	25	0	20.35	20.51	20.41		
5	64QAM	1	0	20.37	20.54	20.41	22	2
5	64QAM	1	12	20.43	20.57	20.34		
5	64QAM	1	24	20.40	20.47	20.37		
5	64QAM	12	0	19.49	19.47	19.39	21	3
5	64QAM	12	7	19.34	19.40	19.37		
5	64QAM	12	13	19.35	19.47	19.29		
5	64QAM	25	0	19.41	19.51	19.47		

Band 26 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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.65	22.80	22.74	24	0
15	QPSK	1	37	22.76	22.78	22.58		
15	QPSK	1	74	22.51	22.57	22.58		
15	QPSK	36	0	21.76	22.01	21.87	23	1
15	QPSK	36	20	21.76	21.85	21.73		
15	QPSK	36	39	21.76	21.76	21.74		
15	QPSK	75	0	21.76	21.95	21.91		
15	16QAM	1	0	21.66	21.86	21.73	23	1
15	16QAM	1	37	21.77	21.78	21.64		
15	16QAM	1	74	21.63	21.79	21.62		
15	16QAM	36	0	20.79	20.93	20.83	22	2
15	16QAM	36	20	20.77	20.82	20.72		
15	16QAM	36	39	20.72	20.87	20.73		
15	16QAM	75	0	20.70	20.82	20.78		
15	64QAM	1	0	20.80	21.04	20.79	22	2
15	64QAM	1	37	20.82	20.96	20.80		
15	64QAM	1	74	20.75	20.92	20.81		
15	64QAM	36	0	19.77	19.96	19.79	21	3
15	64QAM	36	20	19.70	19.83	19.59		
15	64QAM	36	39	19.69	19.77	19.83		
15	64QAM	75	0	19.67	19.66	19.75		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.55	22.72	22.66	24	0
10	QPSK	1	25	22.67	22.69	22.48		
10	QPSK	1	49	22.42	22.49	22.49		
10	QPSK	25	0	21.68	21.93	21.79	23	1
10	QPSK	25	12	21.66	21.77	21.64		
10	QPSK	25	25	21.66	21.66	21.65		
10	QPSK	50	0	21.67	21.87	21.82		
10	16QAM	1	0	21.56	21.77	21.63	23	1
10	16QAM	1	25	21.69	21.70	21.54		
10	16QAM	1	49	21.55	21.71	21.54		
10	16QAM	25	0	20.71	20.84	20.75	22	2
10	16QAM	25	12	20.68	20.74	20.62		
10	16QAM	25	25	20.62	20.77	20.65		
10	16QAM	50	0	20.60	20.73	20.70		
10	64QAM	1	0	20.71	20.95	20.70	22	2
10	64QAM	1	25	20.72	20.88	20.72		
10	64QAM	1	49	20.66	20.82	20.72		
10	64QAM	25	0	19.69	19.87	19.71	21	3
10	64QAM	25	12	19.62	19.74	19.49		
10	64QAM	25	25	19.60	19.69	19.73		
10	64QAM	50	0	19.58	19.56	19.66		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.56	22.72	22.66	24	0
5	QPSK	1	12	22.68	22.68	22.49		
5	QPSK	1	24	22.43	22.48	22.50		
5	QPSK	12	0	21.66	21.91	21.79	23	1
5	QPSK	12	7	21.68	21.77	21.63		
5	QPSK	12	13	21.67	21.67	21.64		
5	QPSK	25	0	21.67	21.85	21.83		
5	16QAM	1	0	21.58	21.78	21.63	23	1
5	16QAM	1	12	21.69	21.68	21.55		
5	16QAM	1	24	21.55	21.71	21.52		
5	16QAM	12	0	20.71	20.85	20.75	22	2
5	16QAM	12	7	20.69	20.72	20.62		
5	16QAM	12	13	20.64	20.78	20.63		
5	16QAM	25	0	20.61	20.73	20.70		
5	64QAM	1	0	20.72	20.95	20.71	22	2
5	64QAM	1	12	20.72	20.86	20.71		
5	64QAM	1	24	20.66	20.82	20.72		
5	64QAM	12	0	19.67	19.87	19.69	21	3
5	64QAM	12	7	19.60	19.75	19.50		
5	64QAM	12	13	19.61	19.67	19.75		
5	64QAM	25	0	19.59	19.56	19.67		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.55	22.72	22.65	24	0
3	QPSK	1	8	22.67	22.69	22.50		
3	QPSK	1	14	22.42	22.49	22.50		
3	QPSK	8	0	21.66	21.92	21.79	23	1
3	QPSK	8	4	21.66	21.75	21.64		
3	QPSK	8	7	21.68	21.66	21.66		
3	QPSK	15	0	21.66	21.86	21.81		
3	16QAM	1	0	21.56	21.77	21.65	23	1
3	16QAM	1	8	21.69	21.68	21.56		
3	16QAM	1	14	21.53	21.70	21.54		
3	16QAM	8	0	20.70	20.84	20.74	22	2
3	16QAM	8	4	20.67	20.74	20.64		
3	16QAM	8	7	20.62	20.79	20.63		
3	16QAM	15	0	20.61	20.72	20.69		
3	64QAM	1	0	20.71	20.94	20.71	22	2
3	64QAM	1	8	20.72	20.87	20.70		
3	64QAM	1	14	20.67	20.84	20.72		
3	64QAM	8	0	19.68	19.86	19.71	21	3
3	64QAM	8	4	19.62	19.74	19.49		
3	64QAM	8	7	19.61	19.69	19.75		
3	64QAM	15	0	19.59	19.57	19.67		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.55	22.72	22.66	24	0
1.4	QPSK	1	3	22.66	22.70	22.50		
1.4	QPSK	1	5	22.41	22.48	22.49		
1.4	QPSK	3	0	22.55	22.72	22.64		
1.4	QPSK	3	1	22.68	22.69	22.47		
1.4	QPSK	3	3	22.38	22.45	22.48		
1.4	QPSK	6	0	21.68	21.86	21.83	23	1
1.4	16QAM	1	0	21.58	21.76	21.64	23	1
1.4	16QAM	1	3	21.68	21.68	21.54		
1.4	16QAM	1	5	21.53	21.70	21.52		
1.4	16QAM	3	0	21.55	21.72	21.68		
1.4	16QAM	3	1	21.66	21.69	21.50		
1.4	16QAM	3	3	21.44	21.49	21.46		
1.4	16QAM	6	0	20.60	20.73	20.70	22	2
1.4	64QAM	1	0	20.70	20.96	20.71	22	2
1.4	64QAM	1	3	20.73	20.88	20.72		
1.4	64QAM	1	5	20.65	20.83	20.72		
1.4	64QAM	3	0	20.53	20.72	20.66		
1.4	64QAM	3	1	20.67	20.71	20.48		
1.4	64QAM	3	3	20.43	20.49	20.49		
1.4	64QAM	6	0	19.58	19.58	19.65	21	3

Band 38 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				37850	38000	38150		
Frequency (MHz)				2690	2695	2610		
20	QPSK	1	0	16.19	16.35	16.14	17.5	0
20	QPSK	1	49	16.18	16.30	16.14		
20	QPSK	1	99	16.12	16.27	16.08		
20	QPSK	50	0	16.17	16.28	16.13	17.5	0
20	QPSK	50	24	16.23	16.20	16.13		
20	QPSK	50	50	16.18	16.27	16.09		
20	QPSK	100	0	16.25	16.30	16.20		
20	16QAM	1	0	16.17	16.32	16.17	17.5	0
20	16QAM	1	49	16.19	16.25	16.11		
20	16QAM	1	99	16.17	16.27	16.13		
20	16QAM	50	0	16.22	16.29	16.16	17.5	0
20	16QAM	50	24	16.18	16.27	16.17		
20	16QAM	50	50	16.20	16.35	16.10		
20	16QAM	100	0	16.19	16.27	16.15		
20	64QAM	1	0	16.19	16.26	16.11	17.5	0
20	64QAM	1	49	16.16	16.29	16.14		
20	64QAM	1	99	16.25	16.26	16.18		
20	64QAM	50	0	16.19	16.23	16.10	17.5	0
20	64QAM	50	24	16.22	16.28	16.14		
20	64QAM	50	50	16.24	16.29	16.17		
20	64QAM	100	0	16.17	16.21	16.09		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	16.17	16.27	16.09	17.5	0
15	QPSK	1	37	16.15	16.21	16.13		
15	QPSK	1	74	16.09	16.19	16.03		
15	QPSK	36	0	16.15	16.24	16.05	17.5	0
15	QPSK	36	20	16.19	16.15	16.11		
15	QPSK	36	39	16.15	16.20	16.07		
15	QPSK	75	0	16.20	16.23	16.10		
15	16QAM	1	0	16.12	16.24	16.08	17.5	0
15	16QAM	1	37	16.09	16.18	16.06		
15	16QAM	1	74	16.16	16.23	16.05		
15	16QAM	36	0	16.21	16.21	16.14	17.5	0
15	16QAM	36	20	16.10	16.24	16.07		
15	16QAM	36	39	16.14	16.27	16.08		
15	16QAM	75	0	16.11	16.23	16.12		
15	64QAM	1	0	16.12	16.23	16.03	17.5	0
15	64QAM	1	37	16.15	16.19	16.09		
15	64QAM	1	74	16.20	16.23	16.11		
15	64QAM	36	0	16.16	16.19	16.08	17.5	0
15	64QAM	36	20	16.19	16.21	16.09		
15	64QAM	36	39	16.15	16.22	16.12		
15	64QAM	75	0	16.12	16.21	16.04		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	16.15	16.30	16.09	17.5	0
10	QPSK	1	25	16.12	16.26	16.11		
10	QPSK	1	49	16.10	16.21	16.02		
10	QPSK	25	0	16.16	16.25	16.04	17.5	0
10	QPSK	25	12	16.19	16.15	16.09		
10	QPSK	25	25	16.13	16.20	16.05		
10	QPSK	50	0	16.16	16.22	16.15		
10	16QAM	1	0	16.16	16.23	16.07	17.5	0
10	16QAM	1	25	16.08	16.18	16.03		
10	16QAM	1	49	16.13	16.20	16.10		
10	16QAM	25	0	16.20	16.20	16.13	17.5	0
10	16QAM	25	12	16.09	16.19	16.11		
10	16QAM	25	25	16.12	16.27	16.06		
10	16QAM	50	0	16.15	16.22	16.09		
10	64QAM	1	0	16.13	16.21	16.03	17.5	0
10	64QAM	1	25	16.12	16.21	16.06		
10	64QAM	1	49	16.20	16.22	16.16		
10	64QAM	25	0	16.11	16.22	16.07	17.5	0
10	64QAM	25	12	16.19	16.21	16.09		
10	64QAM	25	25	16.14	16.24	16.11		
10	64QAM	50	0	16.12	16.20	16.05		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	16.14	16.28	16.12	17.5	0
5	QPSK	1	12	16.12	16.23	16.10		
5	QPSK	1	24	16.11	16.20	16.00		
5	QPSK	12	0	16.17	16.22	16.06	17.5	0
5	QPSK	12	7	16.18	16.18	16.06		
5	QPSK	12	13	16.12	16.22	16.03		
5	QPSK	25	0	16.18	16.25	16.14		
5	16QAM	1	0	16.18	16.25	16.11	17.5	0
5	16QAM	1	12	16.10	16.18	16.03		
5	16QAM	1	24	16.15	16.20	16.09		
5	16QAM	12	0	16.21	16.24	16.14	17.5	0
5	16QAM	12	7	16.10	16.24	16.07		
5	16QAM	12	13	16.13	16.28	16.09		
5	16QAM	25	0	16.15	16.22	16.11		
5	64QAM	1	0	16.14	16.19	16.02	17.5	0
5	64QAM	1	12	16.13	16.23	16.07		
5	64QAM	1	24	16.19	16.24	16.10		
5	64QAM	12	0	16.13	16.18	16.08	17.5	0
5	64QAM	12	7	16.17	16.21	16.11		
5	64QAM	12	13	16.18	16.22	16.08		
5	64QAM	25	0	16.09	16.21	16.04		

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		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.08	16.13	16.30	16.08	16.30	17.5	0
20	QPSK	1	49	15.98	16.07	16.30	16.05	16.32		
20	QPSK	1	99	16.04	16.12	16.30	16.05	16.32		
20	QPSK	50	0	16.05	16.10	16.34	16.07	16.29	17.5	0
20	QPSK	50	24	16.04	16.13	16.33	16.08	16.31		
20	QPSK	50	50	16.05	16.12	16.31	16.06	16.31		
20	QPSK	100	0	16.07	16.13	16.38	16.11	16.34		
20	16QAM	1	0	15.99	16.12	16.33	16.09	16.30	17.5	0
20	16QAM	1	49	16.06	16.09	16.34	16.09	16.31		
20	16QAM	1	99	16.08	16.11	16.34	16.07	16.29		
20	16QAM	50	0	16.00	16.09	16.29	16.10	16.28	17.5	0
20	16QAM	50	24	16.04	16.09	16.34	16.09	16.28		
20	16QAM	50	50	16.04	16.10	16.33	16.09	16.32		
20	16QAM	100	0	16.04	16.11	16.33	16.06	16.32		
20	64QAM	1	0	16.06	16.12	16.33	16.09	16.29	17.5	0
20	64QAM	1	49	16.03	16.09	16.36	16.08	16.30		
20	64QAM	1	99	16.00	16.09	16.30	16.08	16.31		
20	64QAM	50	0	16.03	16.13	16.32	16.09	16.33	17.5	0
20	64QAM	50	24	16.02	16.12	16.33	16.09	16.32		
20	64QAM	50	50	16.03	16.12	16.31	16.08	16.27		
20	64QAM	100	0	16.07	16.07	16.29	16.07	16.29		
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	15.95	16.03	16.27	15.96	16.19	18	0
15	QPSK	1	37	15.93	16.01	16.21	15.98	16.19		
15	QPSK	1	74	15.97	15.97	16.19	15.98	16.19		
15	QPSK	36	0	15.93	16.02	16.23	15.97	16.20	17.5	0
15	QPSK	36	20	15.91	16.03	16.23	15.97	16.20		
15	QPSK	36	39	15.95	15.97	16.21	15.94	16.19		
15	QPSK	75	0	15.96	16.04	16.24	15.99	16.18		
15	16QAM	1	0	15.89	15.99	16.20	15.96	16.17	17.5	0
15	16QAM	1	37	15.95	15.98	16.24	15.97	16.19		
15	16QAM	1	74	15.95	16.01	16.28	16.00	16.24		
15	16QAM	36	0	15.91	16.02	16.23	15.99	16.20	17.5	0
15	16QAM	36	20	15.97	16.00	16.24	15.96	16.22		
15	16QAM	36	39	15.98	16.00	16.26	15.98	16.20		
15	16QAM	75	0	15.93	16.01	16.20	15.98	16.20		
15	64QAM	1	0	15.97	15.99	16.23	15.94	16.21	17.5	0
15	64QAM	1	37	15.97	15.99	16.27	15.96	16.18		
15	64QAM	1	74	15.90	15.97	16.18	16.00	16.18		
15	64QAM	36	0	15.92	16.03	16.22	15.97	16.23	17.5	0
15	64QAM	36	20	15.95	16.03	16.26	15.99	16.19		
15	64QAM	36	39	15.91	16.03	16.20	16.01	16.22		
15	64QAM	75	0	15.93	15.99	16.24	15.95	16.22		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.95	15.98	16.24	16.00	16.23	18	0
10	QPSK	1	25	15.94	15.98	16.19	15.97	16.19		
10	QPSK	1	49	15.98	16.00	16.19	15.98	16.18		
10	QPSK	25	0	15.96	15.98	16.27	15.96	16.23	17.5	0
10	QPSK	25	12	15.94	16.02	16.19	16.01	16.20		
10	QPSK	25	25	15.97	16.03	16.25	16.00	16.20		
10	QPSK	50	0	15.97	16.01	16.23	16.00	16.19		
10	16QAM	1	0	15.94	15.99	16.23	15.97	16.21	17.5	0
10	16QAM	1	25	15.98	15.98	16.23	15.95	16.22		
10	16QAM	1	49	15.96	15.98	16.28	15.99	16.21		
10	16QAM	25	0	15.93	16.00	16.20	16.00	16.17	17.5	0
10	16QAM	25	12	15.98	16.01	16.22	15.99	16.20		
10	16QAM	25	25	15.94	16.01	16.25	16.00	16.19		
10	16QAM	50	0	15.89	16.02	16.21	16.00	16.19		
10	64QAM	1	0	15.94	16.01	16.23	15.97	16.18	17.5	0
10	64QAM	1	25	15.92	16.04	16.24	16.02	16.23		
10	64QAM	1	49	15.89	16.00	16.20	15.99	16.22		
10	64QAM	25	0	15.96	15.97	16.22	15.99	16.18	17.5	0
10	64QAM	25	12	15.94	15.99	16.25	15.97	16.18		
10	64QAM	25	25	15.90	16.02	16.21	15.97	16.22		
10	64QAM	50	0	15.94	15.98	16.23	15.97	16.22		
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	15.96	16.03	16.27	16.00	16.18	18	0
5	QPSK	1	12	15.93	16.01	16.18	16.01	16.22		
5	QPSK	1	24	15.96	16.00	16.25	15.97	16.23		
5	QPSK	12	0	15.97	16.00	16.28	15.99	16.24	17.5	0
5	QPSK	12	7	15.92	16.01	16.23	16.01	16.20		
5	QPSK	12	13	15.94	15.98	16.22	15.97	16.17		
5	QPSK	25	0	15.96	15.99	16.26	16.01	16.19		
5	16QAM	1	0	15.92	16.01	16.20	15.96	16.23	17.5	0
5	16QAM	1	12	15.92	15.99	16.21	15.96	16.18		
5	16QAM	1	24	15.95	16.02	16.23	15.97	16.22		
5	16QAM	12	0	15.94	15.98	16.18	15.98	16.18	17.5	0
5	16QAM	12	7	15.98	16.00	16.22	15.97	16.22		
5	16QAM	12	13	15.95	16.01	16.24	16.01	16.18		
5	16QAM	25	0	15.89	15.98	16.19	15.97	16.20		
5	64QAM	1	0	15.93	15.99	16.24	16.00	16.23	17.5	0
5	64QAM	1	12	15.98	15.99	16.25	16.00	16.19		
5	64QAM	1	24	15.92	16.00	16.24	16.00	16.22		
5	64QAM	12	0	15.94	16.00	16.20	15.98	16.17	17.5	0
5	64QAM	12	7	15.97	15.98	16.27	16.01	16.24		
5	64QAM	12	13	15.91	15.99	16.22	15.99	16.22		
5	64QAM	25	0	15.94	15.98	16.22	15.99	16.18		

Band 41 HPUE

BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	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				39700	39750	40185	40620	41055	41490		
Frequency (MHz)				2501	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.82	19.00	19.12	19.19	19.00	19.01	20.5	0
20	QPSK	1	49	18.71	18.93	18.96	19.04	18.92	18.85		
20	QPSK	1	99	18.72	18.93	19.03	19.05	18.90	18.89		
20	QPSK	50	0	18.83	19.01	19.16	19.18	19.04	19.00	20.5	0
20	QPSK	50	24	18.87	18.89	18.94	19.01	18.91	18.89		
20	QPSK	50	50	18.70	19.02	19.00	19.07	18.93	18.91		
20	QPSK	100	0	18.83	19.03	19.16	19.17	19.04	19.03		
20	16QAM	1	0	18.73	18.89	18.95	19.05	18.89	18.88	20.5	0
20	16QAM	1	49	18.75	18.91	18.99	19.05	18.88	18.88		
20	16QAM	1	99	18.84	19.03	19.16	19.17	18.99	19.03		
20	16QAM	50	0	18.67	18.87	18.95	19.04	18.89	18.86	20.5	0
20	16QAM	50	24	18.70	18.91	19.03	19.04	18.89	18.90		
20	16QAM	50	50	18.88	19.03	19.12	19.16	18.99	18.98		
20	16QAM	100	0	18.73	18.93	18.96	19.03	18.89	18.94		
20	64QAM	1	0	18.76	18.88	19.00	19.04	18.93	18.90	20.5	0
20	64QAM	1	49	18.83	19.05	19.12	19.17	19.02	19.01		
20	64QAM	1	99	18.71	18.90	18.95	19.02	18.87	18.87		
20	64QAM	50	0	18.74	18.88	19.01	19.07	18.88	18.85	20.5	0
20	64QAM	50	24	18.85	19.02	19.10	19.15	19.00	18.98		
20	64QAM	50	50	18.68	18.91	19.00	19.07	18.92	18.85		
20	64QAM	100	0	18.75	18.88	18.99	19.02	18.91	18.88		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.73	18.91	19.03	19.07	18.90	18.90	21	0
15	QPSK	1	37	18.62	18.82	18.88	18.95	18.81	18.80		
15	QPSK	1	74	18.62	18.81	18.93	18.95	18.79	18.76		
15	QPSK	36	0	18.76	18.92	19.00	19.05	18.92	18.88	20.5	0
15	QPSK	36	20	18.60	18.80	18.94	18.95	18.78	18.78		
15	QPSK	36	39	18.64	18.79	18.91	18.92	18.78	18.75		
15	QPSK	75	0	18.77	18.91	19.03	19.07	18.93	18.93		
15	16QAM	1	0	18.62	18.77	18.89	18.93	18.79	18.77	20.5	0
15	16QAM	1	37	18.61	18.83	18.93	18.96	18.81	18.78		
15	16QAM	1	74	18.77	18.96	19.05	19.03	18.90	18.89		
15	16QAM	36	0	18.61	18.77	18.88	18.95	18.76	18.74	20.5	0
15	16QAM	36	20	18.60	18.84	18.93	18.92	18.82	18.81		
15	16QAM	36	39	18.74	18.91	19.06	19.09	18.94	18.89		
15	16QAM	75	0	18.59	18.78	18.88	18.95	18.78	18.75		
15	64QAM	1	0	18.64	18.83	18.94	18.97	18.81	18.75	20.5	0
15	64QAM	1	37	18.78	18.94	19.03	19.05	18.94	18.93		
15	64QAM	1	74	18.63	18.82	18.86	18.96	18.76	18.78		
15	64QAM	36	0	18.60	18.84	18.89	18.94	18.78	18.81	20.5	0
15	64QAM	36	20	18.74	18.91	19.02	19.05	18.94	18.93		
15	64QAM	36	39	18.60	18.80	18.87	18.92	18.81	18.77		
15	64QAM	75	0	18.60	18.81	18.93	18.98	18.82	18.79		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	18.76	18.92	19.05	19.07	18.91	18.93	21	0
10	QPSK	1	25	18.61	18.79	18.87	18.93	18.78	18.79		
10	QPSK	1	49	18.62	18.81	18.89	18.94	18.80	18.78		
10	QPSK	25	0	18.75	18.91	19.04	19.06	18.95	18.91	20.5	0
10	QPSK	25	12	18.59	18.78	18.85	18.93	18.79	18.76		
10	QPSK	25	25	18.64	18.79	18.93	18.93	18.81	18.80		
10	QPSK	50	0	18.77	18.93	19.05	19.03	18.91	18.89		
10	16QAM	1	0	18.60	18.81	18.89	18.95	18.80	18.75	20.5	0
10	16QAM	1	25	18.64	18.81	18.92	18.95	18.78	18.80		
10	16QAM	1	49	18.77	18.93	19.06	19.09	18.89	18.92		
10	16QAM	25	0	18.58	18.80	18.89	18.93	18.80	18.74	20.5	0
10	16QAM	25	12	18.63	18.81	18.90	18.95	18.81	18.77		
10	16QAM	25	25	18.74	18.91	19.05	19.03	18.94	18.92		
10	16QAM	50	0	18.62	18.81	18.85	18.95	18.81	18.77		
10	64QAM	1	0	18.62	18.81	18.92	18.96	18.80	18.79	20.5	0
10	64QAM	1	25	18.76	18.92	19.05	19.04	18.89	18.88		
10	64QAM	1	49	18.78	18.78	18.87	18.95	18.82	18.80		
10	64QAM	25	0	18.60	18.80	18.91	18.94	18.78	18.81	20.5	0
10	64QAM	25	12	18.78	18.96	19.01	19.03	18.92	18.90		
10	64QAM	25	25	18.59	18.79	18.89	18.93	18.78	18.80		
10	64QAM	50	0	18.62	18.79	18.92	18.94	18.79	18.77		
Channel				39715	39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.76	18.91	19.02	19.03	18.95	18.92	21	0
5	QPSK	1	12	18.60	18.79	18.88	18.96	18.77	18.75		
5	QPSK	1	24	18.65	18.78	18.88	18.96	18.83	18.76		
5	QPSK	12	0	18.76	18.92	19.02	19.08	18.93	18.92	20.5	0
5	QPSK	12	7	18.59	18.77	18.88	18.96	18.81	18.80		
5	QPSK	12	13	18.66	18.81	18.92	18.95	18.80	18.77		
5	QPSK	25	0	18.78	18.94	19.03	19.09	18.95	18.91		
5	16QAM	1	0	18.59	18.79	18.89	18.94	18.78	18.76	20.5	0
5	16QAM	1	12	18.62	18.79	18.89	18.92	18.81	18.81		
5	16QAM	1	24	18.72	18.95	19.00	19.08	18.93	18.88		
5	16QAM	12	0	18.60	18.82	18.89	18.95	18.77	18.80	20.5	0
5	16QAM	12	7	18.62	18.82	18.92	18.94	18.79	18.76		
5	16QAM	12	13	18.76	18.90	19.06	19.06	18.92	18.92		
5	16QAM	25	0	18.58	18.81	18.85	18.95	18.77	18.79		
5	64QAM	1	0	18.61	18.84	18.90	18.92	18.78	18.79	20.5	0
5	64QAM	1	12	18.73	18.96	19.02	19.07	18.91	18.89		
5	64QAM	1	24	18.61	18.81	18.89	18.94	18.79	18.74		
5	64QAM	12	0	18.62	18.81	18.89	18.96	18.77	18.81	20.5	0
5	64QAM	12	7	18.74	18.92	19.05	19.08	18.95	18.93		
5	64QAM	12	13	18.58	18.83	18.86	18.91	18.77	18.76		
5	64QAM	25	0	18.60	18.84	18.92	18.98	18.80	18.80		

ECI6 Power for WWAN Main PA

	GSM850 Ant0 ECI6							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.20	32.18	32.06	33.50	23.20	23.18	23.06	24.50
GPRS 1 Tx slot	32.15	32.17	32.05	33.50	23.15	23.17	23.05	24.50
GPRS 2 Tx slots	31.10	31.25	31.07	32.50	25.10	25.25	25.07	26.50
GPRS 3 Tx slots	29.30	29.46	29.44	30.50	25.04	25.20	25.18	26.24
GPRS 4 Tx slots	28.23	28.35	28.13	29.50	25.23	25.35	25.13	26.50
EDGE 1 Tx slot	26.32	26.43	26.41	27.50	17.32	17.43	17.41	18.50
EDGE 2 Tx slots	25.16	25.10	25.31	26.00	19.16	19.10	19.31	20.00
EDGE 3 Tx slots	22.88	22.91	22.89	24.00	18.62	18.65	18.63	19.74
EDGE 4 Tx slots	21.38	21.49	21.52	22.50	18.38	18.49	18.52	19.50

	GSM1900 Ant0 ECI6							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.55	26.53	26.46	27.50	17.55	17.53	17.46	18.50
GPRS 1 Tx slot	26.55	26.58	26.44	27.50	17.55	17.58	17.44	18.50
GPRS 2 Tx slots	25.48	25.61	25.44	26.50	19.48	19.61	19.44	20.50
GPRS 3 Tx slots	23.41	23.41	23.28	24.50	19.15	19.15	19.02	20.24
GPRS 4 Tx slots	22.61	22.65	22.63	23.50	19.61	19.65	19.63	20.50
EDGE 1 Tx slot	25.42	25.31	25.22	26.50	16.42	16.31	16.22	17.50
EDGE 2 Tx slots	24.27	23.87	23.87	25.00	18.27	17.87	17.87	19.00
EDGE 3 Tx slots	22.24	21.84	21.81	23.00	17.98	17.58	17.55	18.74
EDGE 4 Tx slots	20.92	20.79	20.80	22.00	17.92	17.79	17.80	19.00

		WCDMA II Ant0 ECI6				WCDMA IV Ant0 ECI6				WCDMA V Ant0 ECI6			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.51	18.59	18.54	20.00	20.64	20.73	20.68	22.00	22.77	22.84	22.81	24.00
3GPP Rel 99	RMC 12.2Kbps	18.54	18.63	18.58	20.00	20.74	20.75	20.71	22.00	22.80	22.90	22.83	24.00
3GPP Rel 6	HSDPA Subtest-1	17.53	17.70	17.58	19.00	19.65	19.83	19.70	21.00	21.85	21.91	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	17.53	17.61	17.51	19.00	19.68	19.72	19.66	21.00	21.75	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	17.10	17.16	17.12	18.50	19.19	19.32	19.21	20.50	21.30	21.35	21.33	22.50
3GPP Rel 6	HSDPA Subtest-4	16.95	16.99	17.08	18.50	19.06	19.08	19.19	20.50	21.09	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.56	17.68	17.57	19.00	19.66	19.69	19.71	21.00	21.79	21.77	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.47	17.62	17.47	19.00	19.61	19.78	19.57	21.00	21.71	21.84	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.96	17.14	17.04	18.50	19.08	19.26	19.21	20.50	21.20	21.35	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.91	17.07	16.94	18.50	19.07	19.10	19.10	20.50	21.15	21.19	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	17.47	17.58	17.52	19.00	19.55	19.62	19.59	21.00	21.67	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-2	15.56	15.67	15.58	17.00	17.63	17.78	17.71	19.00	19.70	19.80	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	16.71	16.70	16.67	18.00	18.78	18.77	18.81	20.00	20.95	20.85	20.91	22.00
3GPP Rel 6	HSUPA Subtest-4	15.50	15.57	15.47	17.00	17.56	17.69	17.64	19.00	19.67	19.79	19.63	21.00
3GPP Rel 6	HSUPA Subtest-5	17.44	17.62	17.49	19.00	19.61	19.74	19.72	21.00	21.64	21.85	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.09	15.28	15.11	16.50	17.16	17.33	17.27	18.50	19.31	19.52	19.36	20.50

Band 2 Ant0 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.81	17.89	17.83	19.5	0
20	QPSK	1	49	17.72	17.78	17.72		
20	QPSK	1	99	17.70	17.72	17.71		
20	QPSK	50	0	17.77	17.88	17.79	19.5	0
20	QPSK	50	24	17.79	17.85	17.79		
20	QPSK	50	50	17.81	17.84	17.84		
20	QPSK	100	0	17.78	17.88	17.79		
20	16QAM	1	0	17.77	17.88	17.81	19.5	0
20	16QAM	1	49	17.78	17.87	17.82		
20	16QAM	1	99	17.79	17.83	17.81		
20	16QAM	50	0	17.78	17.86	17.80	19.5	0
20	16QAM	50	24	17.79	17.85	17.82		
20	16QAM	50	50	17.81	17.81	17.79		
20	16QAM	100	0	17.82	17.87	17.79		
20	64QAM	1	0	17.77	17.85	17.83	19.5	0
20	64QAM	1	49	17.79	17.83	17.83		
20	64QAM	1	99	17.80	17.85	17.82		
20	64QAM	50	0	17.81	17.82	17.79	19.5	0
20	64QAM	50	24	17.76	17.81	17.78		
20	64QAM	50	50	17.78	17.85	17.83		
20	64QAM	100	0	17.78	17.87	17.81		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.69	17.77	17.73	19.5	0
15	QPSK	1	37	17.65	17.64	17.61		
15	QPSK	1	74	17.64	17.64	17.60		
15	QPSK	36	0	17.67	17.73	17.71	19.5	0
15	QPSK	36	20	17.67	17.75	17.73		
15	QPSK	36	39	17.68	17.78	17.69		
15	QPSK	75	0	17.69	17.78	17.73		
15	16QAM	1	0	17.71	17.73	17.72	19.5	0
15	16QAM	1	37	17.71	17.77	17.70		
15	16QAM	1	74	17.71	17.75	17.72		
15	16QAM	36	0	17.67	17.77	17.69	19.5	0
15	16QAM	36	20	17.66	17.74	17.72		
15	16QAM	36	39	17.71	17.77	17.68		
15	16QAM	75	0	17.66	17.75	17.69		
15	64QAM	1	0	17.69	17.73	17.71	19.5	0
15	64QAM	1	37	17.66	17.77	17.69		
15	64QAM	1	74	17.67	17.76	17.72		
15	64QAM	36	0	17.70	17.78	17.72	19.5	0
15	64QAM	36	20	17.68	17.79	17.73		
15	64QAM	36	39	17.70	17.78	17.72		
15	64QAM	75	0	17.71	17.73	17.69		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.70	17.74	17.72	19.5	0
10	QPSK	1	25	17.62	17.66	17.60		
10	QPSK	1	49	17.63	17.64	17.64		
10	QPSK	25	0	17.70	17.73	17.72	19.5	0
10	QPSK	25	12	17.71	17.73	17.72		
10	QPSK	25	25	17.71	17.75	17.73		
10	QPSK	50	0	17.72	17.75	17.69		
10	16QAM	1	0	17.68	17.76	17.70	19.5	0
10	16QAM	1	25	17.70	17.77	17.72		
10	16QAM	1	49	17.70	17.74	17.69		
10	16QAM	25	0	17.71	17.78	17.72	19.5	0
10	16QAM	25	12	17.71	17.74	17.73		
10	16QAM	25	25	17.71	17.74	17.73		
10	16QAM	50	0	17.68	17.77	17.70		
10	64QAM	1	0	17.72	17.73	17.72	19.5	0
10	64QAM	1	25	17.67	17.75	17.71		
10	64QAM	1	49	17.69	17.76	17.71		
10	64QAM	25	0	17.66	17.79	17.71	19.5	0
10	64QAM	25	12	17.67	17.74	17.70		
10	64QAM	25	25	17.66	17.76	17.70		
10	64QAM	50	0	17.71	17.79	17.69		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.66	17.76	17.68	19.5	0
5	QPSK	1	12	17.63	17.66	17.64		
5	QPSK	1	24	17.59	17.64	17.62		
5	QPSK	12	0	17.69	17.73	17.69	19.5	0
5	QPSK	12	7	17.70	17.75	17.69		
5	QPSK	12	13	17.69	17.75	17.69		
5	QPSK	25	0	17.69	17.75	17.68		
5	16QAM	1	0	17.67	17.79	17.72	19.5	0
5	16QAM	1	12	17.71	17.77	17.70		
5	16QAM	1	24	17.68	17.73	17.70		
5	16QAM	12	0	17.72	17.74	17.68	19.5	0
5	16QAM	12	7	17.66	17.75	17.71		
5	16QAM	12	13	17.70	17.75	17.71		
5	16QAM	25	0	17.72	17.75	17.70		
5	64QAM	1	0	17.72	17.78	17.68	19.5	0
5	64QAM	1	12	17.69	17.75	17.69		
5	64QAM	1	24	17.69	17.75	17.71		
5	64QAM	12	0	17.66	17.74	17.71	19.5	0
5	64QAM	12	7	17.69	17.74	17.70		
5	64QAM	12	13	17.68	17.77	17.71		
5	64QAM	25	0	17.66	17.78	17.72		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.70	17.77	17.72	19.5	0
3	QPSK	1	8	17.61	17.68	17.63		
3	QPSK	1	14	17.59	17.63	17.62		
3	QPSK	8	0	17.66	17.77	17.74	19.5	0
3	QPSK	8	4	17.70	17.79	17.73		
3	QPSK	8	7	17.71	17.75	17.72		
3	QPSK	15	0	17.70	17.77	17.70		
3	16QAM	1	0	17.66	17.73	17.73	19.5	0
3	16QAM	1	8	17.69	17.74	17.73		
3	16QAM	1	14	17.72	17.77	17.68		
3	16QAM	8	0	17.72	17.78	17.72	19.5	0
3	16QAM	8	4	17.67	17.77	17.69		
3	16QAM	8	7	17.68	17.75	17.73		
3	16QAM	15	0	17.66	17.74	17.69		
3	64QAM	1	0	17.69	17.77	17.74	19.5	0
3	64QAM	1	8	17.69	17.74	17.69		
3	64QAM	1	14	17.69	17.76	17.72		
3	64QAM	8	0	17.70	17.77	17.74	19.5	0
3	64QAM	8	4	17.67	17.76	17.71		
3	64QAM	8	7	17.68	17.74	17.73		
3	64QAM	15	0	17.69	17.74	17.72		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.67	17.74	17.70	19.5	0
1.4	QPSK	1	3	17.63	17.66	17.63		
1.4	QPSK	1	5	17.60	17.65	17.59		
1.4	QPSK	3	0	17.69	17.77	17.68		
1.4	QPSK	3	1	17.66	17.78	17.69		
1.4	QPSK	3	3	17.71	17.76	17.70		
1.4	QPSK	6	0	17.67	17.75	17.71	19.5	0
1.4	16QAM	1	0	17.67	17.74	17.73	19.5	0
1.4	16QAM	1	3	17.71	17.79	17.68		
1.4	16QAM	1	5	17.68	17.78	17.73		
1.4	16QAM	3	0	17.67	17.76	17.71		
1.4	16QAM	3	1	17.69	17.77	17.72		
1.4	16QAM	3	3	17.67	17.75	17.71		
1.4	16QAM	6	0	17.69	17.79	17.74	19.5	0
1.4	64QAM	1	0	17.66	17.73	17.68	19.5	0
1.4	64QAM	1	3	17.70	17.74	17.74		
1.4	64QAM	1	5	17.70	17.78	17.69		
1.4	64QAM	3	0	17.68	17.78	17.71		
1.4	64QAM	3	1	17.71	17.75	17.71		
1.4	64QAM	3	3	17.66	17.78	17.69		
1.4	64QAM	6	0	17.68	17.75	17.69	19.5	0

Band 4 Ant0 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.63	19.92	19.74	21.5	0
20	QPSK	1	49	19.64	19.89	19.75		
20	QPSK	1	99	19.68	19.86	19.76		
20	QPSK	50	0	19.66	19.92	19.72	21.5	0
20	QPSK	50	24	19.66	19.87	19.76		
20	QPSK	50	50	19.67	19.86	19.74		
20	QPSK	100	0	19.65	19.88	19.75		
20	16QAM	1	0	19.68	19.91	19.73	21.5	0
20	16QAM	1	49	19.65	19.86	19.77		
20	16QAM	1	99	19.63	19.92	19.71		
20	16QAM	50	0	19.64	19.86	19.77	21.5	0
20	16QAM	50	24	19.67	19.92	19.75		
20	16QAM	50	50	19.63	19.88	19.74		
20	16QAM	100	0	19.64	19.88	19.72		
20	64QAM	1	0	19.66	19.88	19.76	21.5	0
20	64QAM	1	49	19.68	19.88	19.73		
20	64QAM	1	99	19.66	19.88	19.76		
20	64QAM	50	0	18.62	18.88	18.75	20.5	1
20	64QAM	50	24	18.67	18.90	18.75		
20	64QAM	50	50	18.63	18.91	18.72		
20	64QAM	100	0	18.68	18.90	18.72		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.52	19.82	19.61	21.5	0
15	QPSK	1	37	19.54	19.75	19.65		
15	QPSK	1	74	19.57	19.74	19.62		
15	QPSK	36	0	19.53	19.81	19.57	21.5	0
15	QPSK	36	20	19.51	19.73	19.64		
15	QPSK	36	39	19.54	19.75	19.63		
15	QPSK	75	0	19.55	19.75	19.62		
15	16QAM	1	0	19.57	19.76	19.61	21.5	0
15	16QAM	1	37	19.54	19.73	19.66		
15	16QAM	1	74	19.51	19.83	19.61		
15	16QAM	36	0	19.55	19.73	19.64	21.5	0
15	16QAM	36	20	19.53	19.80	19.61		
15	16QAM	36	39	19.53	19.76	19.64		
15	16QAM	75	0	19.54	19.75	19.62		
15	64QAM	1	0	19.56	19.77	19.67	21.5	0
15	64QAM	1	37	19.59	19.75	19.58		
15	64QAM	1	74	19.55	19.78	19.62		
15	64QAM	36	0	18.52	18.78	18.62	20.5	1
15	64QAM	36	20	18.52	18.79	18.62		
15	64QAM	36	39	18.51	18.78	18.61		
15	64QAM	75	0	18.56	18.76	18.59		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.54	19.78	19.60	21.5	0
10	QPSK	1	25	19.54	19.76	19.62		
10	QPSK	1	49	19.56	19.73	19.64		
10	QPSK	25	0	19.55	19.82	19.58	21.5	0
10	QPSK	25	12	19.57	19.78	19.62		
10	QPSK	25	25	19.57	19.71	19.59		
10	QPSK	50	0	19.54	19.75	19.61		
10	16QAM	1	0	19.55	19.77	19.61	21.5	0
10	16QAM	1	25	19.53	19.77	19.65		
10	16QAM	1	49	19.51	19.83	19.59		
10	16QAM	25	0	19.54	19.72	19.68	21.5	0
10	16QAM	25	12	19.55	19.78	19.61		
10	16QAM	25	25	19.51	19.75	19.61		
10	16QAM	50	0	19.55	19.74	19.62		
10	64QAM	1	0	19.53	19.74	19.63	21.5	0
10	64QAM	1	25	19.58	19.78	19.61		
10	64QAM	1	49	19.57	19.78	19.66		
10	64QAM	25	0	18.51	18.78	18.63	20.5	1
10	64QAM	25	12	18.54	18.81	18.66		
10	64QAM	25	25	18.53	18.76	18.59		
10	64QAM	50	0	18.54	18.80	18.60		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.52	19.82	19.63	21.5	0
5	QPSK	1	12	19.51	19.77	19.62		
5	QPSK	1	24	19.56	19.73	19.62		
5	QPSK	12	0	19.52	19.81	19.58	21.5	0
5	QPSK	12	7	19.51	19.77	19.66		
5	QPSK	12	13	19.55	19.71	19.62		
5	QPSK	25	0	19.56	19.75	19.61		
5	16QAM	1	0	19.55	19.80	19.62	21.5	0
5	16QAM	1	12	19.55	19.76	19.64		
5	16QAM	1	24	19.50	19.81	19.56		
5	16QAM	12	0	19.50	19.76	19.62	21.5	0
5	16QAM	12	7	19.55	19.79	19.64		
5	16QAM	12	13	19.52	19.76	19.63		
5	16QAM	25	0	19.53	19.78	19.59		
5	64QAM	1	0	19.54	19.78	19.63	21.5	0
5	64QAM	1	12	19.59	19.73	19.60		
5	64QAM	1	24	19.53	19.75	19.62		
5	64QAM	12	0	18.55	18.77	18.63	20.5	1
5	64QAM	12	7	18.56	18.75	18.60		
5	64QAM	12	13	18.53	18.80	18.61		
5	64QAM	25	0	18.56	18.79	18.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.51	19.82	19.59	21.5	0
3	QPSK	1	8	19.51	19.79	19.65		
3	QPSK	1	14	19.57	19.73	19.62		
3	QPSK	8	0	19.53	19.78	19.60	21.5	0
3	QPSK	8	4	19.55	19.73	19.65		
3	QPSK	8	7	19.57	19.73	19.61		
3	QPSK	15	0	19.52	19.76	19.62		
3	16QAM	1	0	19.59	19.77	19.61	21.5	0
3	16QAM	1	8	19.51	19.77	19.67		
3	16QAM	1	14	19.51	19.82	19.61		
3	16QAM	8	0	19.52	19.73	19.62	21.5	0
3	16QAM	8	4	19.57	19.82	19.66		
3	16QAM	8	7	19.54	19.73	19.63		
3	16QAM	15	0	19.56	19.78	19.63		
3	64QAM	1	0	19.54	19.76	19.62	21.5	0
3	64QAM	1	8	19.55	19.77	19.62		
3	64QAM	1	14	19.57	19.78	19.61		
3	64QAM	8	0	18.55	18.74	18.64	20.5	1
3	64QAM	8	4	18.54	18.79	18.61		
3	64QAM	8	7	18.51	18.76	18.62		
3	64QAM	15	0	18.55	18.79	18.61		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.53	19.80	19.59	21.5	0
1.4	QPSK	1	3	19.53	19.75	19.62		
1.4	QPSK	1	5	19.58	19.74	19.63		
1.4	QPSK	3	0	19.54	19.81	19.61		
1.4	QPSK	3	1	19.55	19.76	19.67		
1.4	QPSK	3	3	19.53	19.73	19.63		
1.4	QPSK	6	0	19.56	19.79	19.66	21.5	0
1.4	16QAM	1	0	19.54	19.78	19.64	21.5	0
1.4	16QAM	1	3	19.51	19.74	19.67		
1.4	16QAM	1	5	19.53	19.80	19.60		
1.4	16QAM	3	0	19.50	19.75	19.65		
1.4	16QAM	3	1	19.58	19.81	19.64		
1.4	16QAM	3	3	19.53	19.77	19.59		
1.4	16QAM	6	0	19.54	19.74	19.62	21.5	0
1.4	64QAM	1	0	19.54	19.74	19.66	21.5	0
1.4	64QAM	1	3	19.53	19.78	19.61		
1.4	64QAM	1	5	19.53	19.77	19.62		
1.4	64QAM	3	0	19.57	19.78	19.61		
1.4	64QAM	3	1	19.54	19.76	19.62		
1.4	64QAM	3	3	19.59	19.77	19.61		
1.4	64QAM	6	0	18.58	18.76	18.59	20.5	1

Band 12 Ant0 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.60	22.67	22.63	24	0
10	QPSK	1	25	22.54	22.57	22.47		
10	QPSK	1	49	22.37	22.56	22.48		
10	QPSK	25	0	21.56	21.62	21.47	23	1
10	QPSK	25	12	21.54	21.58	21.42		
10	QPSK	25	25	21.40	21.50	21.46		
10	QPSK	50	0	21.54	21.58	21.49		
10	16QAM	1	0	21.43	21.48	21.47	23	1
10	16QAM	1	25	21.29	21.46	21.41		
10	16QAM	1	49	21.27	21.38	21.26		
10	16QAM	25	0	20.59	20.64	20.59	22	2
10	16QAM	25	12	20.50	20.53	20.40		
10	16QAM	25	25	20.48	20.56	20.49		
10	16QAM	50	0	20.51	20.58	20.45		
10	64QAM	1	0	20.53	20.63	20.53	22	2
10	64QAM	1	25	20.55	20.61	20.50		
10	64QAM	1	49	20.49	20.55	20.51		
10	64QAM	25	0	19.54	19.56	19.48	21	3
10	64QAM	25	12	19.36	19.50	19.47		
10	64QAM	25	25	19.44	19.54	19.42		
10	64QAM	50	0	19.41	19.55	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.63	22.59	24	0
5	QPSK	1	12	22.52	22.53	22.43		
5	QPSK	1	24	22.31	22.49	22.45		
5	QPSK	12	0	21.51	21.56	21.42	23	1
5	QPSK	12	7	21.46	21.52	21.36		
5	QPSK	12	13	21.37	21.47	21.42		
5	QPSK	25	0	21.50	21.55	21.46		
5	16QAM	1	0	21.35	21.44	21.44	23	1
5	16QAM	1	12	21.25	21.38	21.34		
5	16QAM	1	24	21.19	21.31	21.22		
5	16QAM	12	0	20.57	20.59	20.56	22	2
5	16QAM	12	7	20.45	20.47	20.35		
5	16QAM	12	13	20.44	20.50	20.42		
5	16QAM	25	0	20.43	20.56	20.42		
5	64QAM	1	0	20.48	20.56	20.49	22	2
5	64QAM	1	12	20.50	20.56	20.46		
5	64QAM	1	24	20.44	20.52	20.43		
5	64QAM	12	0	19.51	19.48	19.40	21	3
5	64QAM	12	7	19.28	19.44	19.40		
5	64QAM	12	13	19.41	19.50	19.39		
5	64QAM	25	0	19.38	19.48	19.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.54	22.64	22.57	24	0
3	QPSK	1	8	22.48	22.53	22.44		
3	QPSK	1	14	22.33	22.52	22.41		
3	QPSK	8	0	21.53	21.55	21.41	23	1
3	QPSK	8	4	21.46	21.56	21.39		
3	QPSK	8	7	21.34	21.42	21.43		
3	QPSK	15	0	21.47	21.55	21.44		
3	16QAM	1	0	21.38	21.44	21.40	23	1
3	16QAM	1	8	21.27	21.41	21.37		
3	16QAM	1	14	21.25	21.33	21.22		
3	16QAM	8	0	20.53	20.56	20.53	22	2
3	16QAM	8	4	20.42	20.45	20.35		
3	16QAM	8	7	20.42	20.51	20.42		
3	16QAM	15	0	20.46	20.55	20.40		
3	64QAM	1	0	20.46	20.58	20.47	22	2
3	64QAM	1	8	20.50	20.54	20.46		
3	64QAM	1	14	20.42	20.47	20.48		
3	64QAM	8	0	19.46	19.50	19.42	21	3
3	64QAM	8	4	19.31	19.46	19.40		
3	64QAM	8	7	19.38	19.47	19.34		
3	64QAM	15	0	19.33	19.51	19.47		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.56	22.62	22.57	24	0
1.4	QPSK	1	3	22.49	22.52	22.39		
1.4	QPSK	1	5	22.32	22.49	22.44		
1.4	QPSK	3	0	22.53	22.64	22.59		
1.4	QPSK	3	1	22.50	22.50	22.40		
1.4	QPSK	3	3	22.29	22.48	22.42		
1.4	QPSK	6	0	21.46	21.51	21.41	23	1
1.4	16QAM	1	0	21.40	21.42	21.42	23	1
1.4	16QAM	1	3	21.21	21.41	21.37		
1.4	16QAM	1	5	21.22	21.35	21.20		
1.4	16QAM	3	0	21.37	21.41	21.39		
1.4	16QAM	3	1	21.26	21.42	21.33		
1.4	16QAM	3	3	21.23	21.35	21.22		
1.4	16QAM	6	0	20.46	20.51	20.38	22	2
1.4	64QAM	1	0	20.45	20.57	20.49	22	2
1.4	64QAM	1	3	20.50	20.58	20.47		
1.4	64QAM	1	5	20.42	20.52	20.47		
1.4	64QAM	3	0	20.44	20.52	20.47		
1.4	64QAM	3	1	20.48	20.50	20.39		
1.4	64QAM	3	3	20.47	20.56	20.49		
1.4	64QAM	6	0	19.39	19.51	19.45	21	3

Band 17 Ant0 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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.52	22.68	22.59	24	0
10	QPSK	1	25	22.50	22.51	22.45		
10	QPSK	1	49	22.34	22.52	22.46		
10	QPSK	25	0	21.49	21.56	21.41	23	1
10	QPSK	25	12	21.49	21.52	21.39		
10	QPSK	25	25	21.34	21.47	21.44		
10	QPSK	50	0	21.44	21.51	21.36		
10	16QAM	1	0	21.42	21.45	21.42	23	1
10	16QAM	1	25	21.19	21.38	21.34		
10	16QAM	1	49	21.22	21.30	21.23		
10	16QAM	25	0	20.54	20.51	20.53	22	2
10	16QAM	25	12	20.47	20.49	20.34		
10	16QAM	25	25	20.42	20.57	20.45		
10	16QAM	50	0	20.40	20.52	20.46		
10	64QAM	1	0	20.42	20.56	20.43	22	2
10	64QAM	1	25	20.47	20.57	20.39		
10	64QAM	1	49	20.45	20.48	20.39		
10	64QAM	25	0	19.52	19.51	19.42	21	3
10	64QAM	25	12	19.34	19.44	19.40		
10	64QAM	25	25	19.36	19.48	19.32		
10	64QAM	50	0	19.43	19.50	19.46		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.51	22.65	22.56	24	0
5	QPSK	1	12	22.45	22.47	22.45		
5	QPSK	1	24	22.29	22.51	22.44		
5	QPSK	12	0	21.45	21.55	21.38	23	1
5	QPSK	12	7	21.44	21.52	21.38		
5	QPSK	12	13	21.29	21.43	21.43		
5	QPSK	25	0	21.40	21.48	21.31		
5	16QAM	1	0	21.42	21.40	21.40	23	1
5	16QAM	1	12	21.17	21.36	21.32		
5	16QAM	1	24	21.22	21.27	21.22		
5	16QAM	12	0	20.54	20.46	20.50	22	2
5	16QAM	12	7	20.42	20.45	20.34		
5	16QAM	12	13	20.40	20.53	20.40		
5	16QAM	25	0	20.35	20.51	20.41		
5	64QAM	1	0	20.37	20.54	20.41	22	2
5	64QAM	1	12	20.43	20.57	20.34		
5	64QAM	1	24	20.40	20.47	20.37		
5	64QAM	12	0	19.49	19.47	19.39	21	3
5	64QAM	12	7	19.34	19.40	19.37		
5	64QAM	12	13	19.35	19.47	19.29		
5	64QAM	25	0	19.41	19.51	19.47		

Band 26 Ant0 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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.65	22.80	22.74	24	0
15	QPSK	1	37	22.76	22.78	22.58		
15	QPSK	1	74	22.51	22.57	22.58		
15	QPSK	36	0	21.76	22.01	21.87	23	1
15	QPSK	36	20	21.76	21.85	21.73		
15	QPSK	36	39	21.76	21.76	21.74		
15	QPSK	75	0	21.76	21.95	21.91		
15	16QAM	1	0	21.66	21.86	21.73	23	1
15	16QAM	1	37	21.77	21.78	21.64		
15	16QAM	1	74	21.63	21.79	21.62		
15	16QAM	36	0	20.79	20.93	20.83	22	2
15	16QAM	36	20	20.77	20.82	20.72		
15	16QAM	36	39	20.72	20.87	20.73		
15	16QAM	75	0	20.70	20.82	20.78		
15	64QAM	1	0	20.80	21.04	20.79	22	2
15	64QAM	1	37	20.82	20.96	20.80		
15	64QAM	1	74	20.75	20.92	20.81		
15	64QAM	36	0	19.77	19.96	19.79	21	3
15	64QAM	36	20	19.70	19.83	19.59		
15	64QAM	36	39	19.69	19.77	19.83		
15	64QAM	75	0	19.67	19.66	19.75		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.55	22.72	22.66	24	0
10	QPSK	1	25	22.67	22.69	22.48		
10	QPSK	1	49	22.42	22.49	22.49		
10	QPSK	25	0	21.68	21.93	21.79	23	1
10	QPSK	25	12	21.66	21.77	21.64		
10	QPSK	25	25	21.66	21.66	21.65		
10	QPSK	50	0	21.67	21.87	21.82		
10	16QAM	1	0	21.56	21.77	21.63	23	1
10	16QAM	1	25	21.69	21.70	21.54		
10	16QAM	1	49	21.55	21.71	21.54		
10	16QAM	25	0	20.71	20.84	20.75	22	2
10	16QAM	25	12	20.68	20.74	20.62		
10	16QAM	25	25	20.62	20.77	20.65		
10	16QAM	50	0	20.60	20.73	20.70		
10	64QAM	1	0	20.71	20.95	20.70	22	2
10	64QAM	1	25	20.72	20.88	20.72		
10	64QAM	1	49	20.66	20.82	20.72		
10	64QAM	25	0	19.69	19.87	19.71	21	3
10	64QAM	25	12	19.62	19.74	19.49		
10	64QAM	25	25	19.60	19.69	19.73		
10	64QAM	50	0	19.58	19.56	19.66		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.56	22.72	22.66	24	0
5	QPSK	1	12	22.68	22.68	22.49		
5	QPSK	1	24	22.43	22.48	22.50		
5	QPSK	12	0	21.66	21.91	21.79	23	1
5	QPSK	12	7	21.68	21.77	21.63		
5	QPSK	12	13	21.67	21.67	21.64		
5	QPSK	25	0	21.67	21.85	21.83		
5	16QAM	1	0	21.58	21.78	21.63	23	1
5	16QAM	1	12	21.69	21.68	21.55		
5	16QAM	1	24	21.55	21.71	21.52		
5	16QAM	12	0	20.71	20.85	20.75	22	2
5	16QAM	12	7	20.69	20.72	20.62		
5	16QAM	12	13	20.64	20.78	20.63		
5	16QAM	25	0	20.61	20.73	20.70		
5	64QAM	1	0	20.72	20.95	20.71	22	2
5	64QAM	1	12	20.72	20.86	20.71		
5	64QAM	1	24	20.66	20.82	20.72		
5	64QAM	12	0	19.67	19.87	19.69	21	3
5	64QAM	12	7	19.60	19.75	19.50		
5	64QAM	12	13	19.61	19.67	19.75		
5	64QAM	25	0	19.59	19.56	19.67		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.55	22.72	22.65	24	0
3	QPSK	1	8	22.67	22.69	22.50		
3	QPSK	1	14	22.42	22.49	22.50		
3	QPSK	8	0	21.66	21.92	21.79	23	1
3	QPSK	8	4	21.66	21.75	21.64		
3	QPSK	8	7	21.68	21.66	21.66		
3	QPSK	15	0	21.66	21.86	21.81		
3	16QAM	1	0	21.56	21.77	21.65	23	1
3	16QAM	1	8	21.69	21.68	21.56		
3	16QAM	1	14	21.53	21.70	21.54		
3	16QAM	8	0	20.70	20.84	20.74	22	2
3	16QAM	8	4	20.67	20.74	20.64		
3	16QAM	8	7	20.62	20.79	20.63		
3	16QAM	15	0	20.61	20.72	20.69		
3	64QAM	1	0	20.71	20.94	20.71	22	2
3	64QAM	1	8	20.72	20.87	20.70		
3	64QAM	1	14	20.67	20.84	20.72		
3	64QAM	8	0	19.68	19.86	19.71	21	3
3	64QAM	8	4	19.62	19.74	19.49		
3	64QAM	8	7	19.61	19.69	19.75		
3	64QAM	15	0	19.59	19.57	19.67		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.55	22.72	22.66	24	0
1.4	QPSK	1	3	22.66	22.70	22.50		
1.4	QPSK	1	5	22.41	22.48	22.49		
1.4	QPSK	3	0	22.55	22.72	22.64		
1.4	QPSK	3	1	22.68	22.69	22.47		
1.4	QPSK	3	3	22.38	22.45	22.48		
1.4	QPSK	6	0	21.68	21.86	21.83	23	1
1.4	16QAM	1	0	21.58	21.76	21.64	23	1
1.4	16QAM	1	3	21.68	21.68	21.54		
1.4	16QAM	1	5	21.53	21.70	21.52		
1.4	16QAM	3	0	21.55	21.72	21.68		
1.4	16QAM	3	1	21.66	21.69	21.50		
1.4	16QAM	3	3	21.44	21.49	21.46		
1.4	16QAM	6	0	20.60	20.73	20.70	22	2
1.4	64QAM	1	0	20.70	20.96	20.71	22	2
1.4	64QAM	1	3	20.73	20.88	20.72		
1.4	64QAM	1	5	20.65	20.83	20.72		
1.4	64QAM	3	0	20.53	20.72	20.66		
1.4	64QAM	3	1	20.67	20.71	20.48		
1.4	64QAM	3	3	20.43	20.49	20.49		
1.4	64QAM	6	0	19.58	19.58	19.65	21	3

Band 38 Ant4 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	17.81	17.98	17.76	19	0
20	QPSK	1	49	17.82	17.91	17.77		
20	QPSK	1	99	17.82	17.90	17.73		
20	QPSK	50	0	17.83	17.90	17.73	19	0
20	QPSK	50	24	17.83	17.86	17.73		
20	QPSK	50	50	17.82	17.89	17.72		
20	QPSK	100	0	17.83	17.88	17.75		
20	16QAM	1	0	17.79	17.90	17.77	19	0
20	16QAM	1	49	17.81	17.88	17.76		
20	16QAM	1	99	17.83	17.86	17.75		
20	16QAM	50	0	17.84	17.91	17.76	19	0
20	16QAM	50	24	17.83	17.92	17.78		
20	16QAM	50	50	17.82	17.88	17.74		
20	16QAM	100	0	17.80	17.88	17.74		
20	64QAM	1	0	17.78	17.90	17.77	19	0
20	64QAM	1	49	17.79	17.92	17.72		
20	64QAM	1	99	17.80	17.89	17.73		
20	64QAM	50	0	17.83	17.88	17.76	19	0
20	64QAM	50	24	17.80	17.90	17.75		
20	64QAM	50	50	17.83	17.87	17.73		
20	64QAM	100	0	17.81	17.90	17.72		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.70	17.82	17.66	19	0
15	QPSK	1	37	17.68	17.78	17.64		
15	QPSK	1	74	17.69	17.78	17.62		
15	QPSK	36	0	17.72	17.77	17.63	19	0
15	QPSK	36	20	17.74	17.79	17.67		
15	QPSK	36	39	17.71	17.76	17.63		
15	QPSK	75	0	17.74	17.78	17.68		
15	16QAM	1	0	17.74	17.79	17.67	19	0
15	16QAM	1	37	17.73	17.81	17.67		
15	16QAM	1	74	17.71	17.82	17.65		
15	16QAM	36	0	17.71	17.80	17.66	19	0
15	16QAM	36	20	17.73	17.81	17.67		
15	16QAM	36	39	17.70	17.81	17.65		
15	16QAM	75	0	17.73	17.80	17.63		
15	64QAM	1	0	17.71	17.76	17.63	19	0
15	64QAM	1	37	17.72	17.79	17.67		
15	64QAM	1	74	17.68	17.78	17.68		
15	64QAM	36	0	17.71	17.79	17.68	19	0
15	64QAM	36	20	17.70	17.81	17.63		
15	64QAM	36	39	17.73	17.77	17.67		
15	64QAM	75	0	17.72	17.80	17.66		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.73	17.78	17.66	19	0
10	QPSK	1	25	17.72	17.78	17.68		
10	QPSK	1	49	17.73	17.81	17.66		
10	QPSK	25	0	17.69	17.81	17.65	19	0
10	QPSK	25	12	17.73	17.82	17.65		
10	QPSK	25	25	17.72	17.76	17.64		
10	QPSK	50	0	17.72	17.82	17.64		
10	16QAM	1	0	17.70	17.76	17.62	19	0
10	16QAM	1	25	17.73	17.79	17.65		
10	16QAM	1	49	17.69	17.76	17.66		
10	16QAM	25	0	17.72	17.79	17.67	19	0
10	16QAM	25	12	17.68	17.76	17.64		
10	16QAM	25	25	17.69	17.80	17.62		
10	16QAM	50	0	17.70	17.79	17.63		
10	64QAM	1	0	17.68	17.77	17.67	19	0
10	64QAM	1	25	17.70	17.81	17.67		
10	64QAM	1	49	17.71	17.78	17.66		
10	64QAM	25	0	17.69	17.77	17.62	19	0
10	64QAM	25	12	17.73	17.76	17.67		
10	64QAM	25	25	17.71	17.79	17.66		
10	64QAM	50	0	17.70	17.81	17.65		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	17.69	17.80	17.65	19	0
5	QPSK	1	12	17.71	17.77	17.64		
5	QPSK	1	24	17.72	17.80	17.63		
5	QPSK	12	0	17.72	17.82	17.62	19	0
5	QPSK	12	7	17.69	17.76	17.64		
5	QPSK	12	13	17.72	17.81	17.66		
5	QPSK	25	0	17.73	17.79	17.68		
5	16QAM	1	0	17.72	17.77	17.64	19	0
5	16QAM	1	12	17.70	17.81	17.67		
5	16QAM	1	24	17.68	17.77	17.63		
5	16QAM	12	0	17.68	17.81	17.66	19	0
5	16QAM	12	7	17.72	17.82	17.68		
5	16QAM	12	13	17.71	17.80	17.64		
5	16QAM	25	0	17.70	17.78	17.68		
5	64QAM	1	0	17.70	17.77	17.68	19	0
5	64QAM	1	12	17.73	17.81	17.65		
5	64QAM	1	24	17.74	17.79	17.64		
5	64QAM	12	0	17.68	17.82	17.62	19	0
5	64QAM	12	7	17.70	17.81	17.64		
5	64QAM	12	13	17.73	17.78	17.63		
5	64QAM	25	0	17.68	17.79	17.65		

Band 41 Ant4 ECI6

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	17.43	17.53	17.79	17.50	17.69	19	0
20	QPSK	1	49	17.42	17.49	17.75	17.49	17.74		
20	QPSK	1	99	17.44	17.53	17.77	17.50	17.72		
20	QPSK	50	0	17.45	17.53	17.78	17.46	17.73	19	0
20	QPSK	50	24	17.44	17.50	17.74	17.51	17.74		
20	QPSK	50	50	17.44	17.51	17.77	17.48	17.69		
20	QPSK	100	0	17.47	17.52	17.74	17.47	17.69		
20	16QAM	1	0	17.44	17.53	17.78	17.46	17.72	19	0
20	16QAM	1	49	17.42	17.49	17.76	17.48	17.70		
20	16QAM	1	99	17.43	17.53	17.75	17.50	17.72		
20	16QAM	50	0	17.42	17.51	17.77	17.49	17.72	19	0
20	16QAM	50	24	17.44	17.53	17.76	17.48	17.73		
20	16QAM	50	50	17.43	17.51	17.77	17.46	17.68		
20	16QAM	100	0	17.46	17.53	17.76	17.49	17.72		
20	64QAM	1	0	17.46	17.48	17.72	17.49	17.69	19	0
20	64QAM	1	49	17.44	17.53	17.75	17.47	17.73		
20	64QAM	1	99	17.43	17.48	17.77	17.49	17.73		
20	64QAM	50	0	17.45	17.52	17.75	17.49	17.73	19	0
20	64QAM	50	24	17.46	17.48	17.75	17.51	17.69		
20	64QAM	50	50	17.48	17.52	17.77	17.49	17.73		
20	64QAM	100	0	17.47	17.50	17.77	17.50	17.72		
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	17.35	17.42	17.66	17.36	17.61	19	0
15	QPSK	1	37	17.37	17.38	17.67	17.40	17.63		
15	QPSK	1	74	17.32	17.40	17.65	17.38	17.59		
15	QPSK	36	0	17.38	17.42	17.63	17.38	17.59	19	0
15	QPSK	36	20	17.33	17.42	17.63	17.41	17.59		
15	QPSK	36	39	17.37	17.41	17.67	17.40	17.60		
15	QPSK	75	0	17.32	17.39	17.63	17.41	17.61		
15	16QAM	1	0	17.36	17.41	17.63	17.40	17.61	19	0
15	16QAM	1	37	17.36	17.39	17.64	17.37	17.60		
15	16QAM	1	74	17.35	17.41	17.66	17.37	17.59		
15	16QAM	36	0	17.35	17.39	17.64	17.38	17.62	19	0
15	16QAM	36	20	17.35	17.43	17.68	17.41	17.64		
15	16QAM	36	39	17.33	17.39	17.63	17.40	17.63		
15	16QAM	75	0	17.35	17.42	17.67	17.38	17.60		
15	64QAM	1	0	17.33	17.40	17.65	17.40	17.64	19	0
15	64QAM	1	37	17.35	17.39	17.64	17.39	17.60		
15	64QAM	1	74	17.32	17.44	17.64	17.41	17.59		
15	64QAM	36	0	17.34	17.42	17.62	17.41	17.63	19	0
15	64QAM	36	20	17.37	17.43	17.66	17.38	17.60		
15	64QAM	36	39	17.33	17.41	17.67	17.41	17.62		
15	64QAM	75	0	17.34	17.42	17.63	17.39	17.62		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.34	17.43	17.66	17.37	17.59	19	0
10	QPSK	1	25	17.33	17.42	17.62	17.40	17.62		
10	QPSK	1	49	17.33	17.38	17.66	17.40	17.64		
10	QPSK	25	0	17.33	17.41	17.67	17.42	17.59	19	0
10	QPSK	25	12	17.33	17.40	17.63	17.39	17.59		
10	QPSK	25	25	17.36	17.41	17.66	17.39	17.60		
10	QPSK	50	0	17.34	17.41	17.62	17.40	17.63		
10	16QAM	1	0	17.37	17.44	17.63	17.41	17.60	19	0
10	16QAM	1	25	17.35	17.43	17.67	17.40	17.63		
10	16QAM	1	49	17.35	17.42	17.67	17.40	17.59		
10	16QAM	25	0	17.33	17.40	17.67	17.38	17.62	19	0
10	16QAM	25	12	17.36	17.38	17.63	17.37	17.58		
10	16QAM	25	25	17.33	17.42	17.65	17.42	17.63		
10	16QAM	50	0	17.36	17.43	17.64	17.41	17.58		
10	64QAM	1	0	17.35	17.40	17.63	17.40	17.60	19	0
10	64QAM	1	25	17.33	17.41	17.66	17.40	17.62		
10	64QAM	1	49	17.38	17.42	17.68	17.41	17.64		
10	64QAM	25	0	17.33	17.44	17.64	17.38	17.63	19	0
10	64QAM	25	12	17.37	17.43	17.66	17.38	17.62		
10	64QAM	25	25	17.35	17.41	17.62	17.38	17.62		
10	64QAM	50	0	17.38	17.38	17.63	17.41	17.60		
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	17.37	17.38	17.62	17.38	17.60	19	0
5	QPSK	1	12	17.36	17.40	17.68	17.40	17.61		
5	QPSK	1	24	17.34	17.40	17.64	17.40	17.58		
5	QPSK	12	0	17.33	17.43	17.67	17.38	17.62	19	0
5	QPSK	12	7	17.32	17.40	17.65	17.41	17.62		
5	QPSK	12	13	17.36	17.40	17.64	17.40	17.59		
5	QPSK	25	0	17.34	17.44	17.64	17.37	17.64		
5	16QAM	1	0	17.35	17.43	17.63	17.40	17.59	19	0
5	16QAM	1	12	17.33	17.42	17.63	17.41	17.62		
5	16QAM	1	24	17.35	17.41	17.66	17.40	17.62		
5	16QAM	12	0	17.37	17.40	17.66	17.38	17.63	19	0
5	16QAM	12	7	17.38	17.38	17.65	17.38	17.58		
5	16QAM	12	13	17.33	17.42	17.65	17.40	17.61		
5	16QAM	25	0	17.37	17.43	17.66	17.41	17.59		
5	64QAM	1	0	17.35	17.39	17.66	17.37	17.59	19	0
5	64QAM	1	12	17.36	17.43	17.66	17.40	17.63		
5	64QAM	1	24	17.37	17.41	17.67	17.38	17.64		
5	64QAM	12	0	17.33	17.41	17.66	17.36	17.60	19	0
5	64QAM	12	7	17.33	17.42	17.62	17.41	17.58		
5	64QAM	12	13	17.33	17.40	17.68	17.40	17.63		
5	64QAM	25	0	17.35	17.38	17.64	17.36	17.61		

Band 41 HPUE

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	20.41	20.55	20.61	20.40	20.44	22	0
20	QPSK	1	49	20.43	20.55	20.54	20.40	20.40		
20	QPSK	1	99	20.45	20.52	20.55	20.44	20.38		
20	QPSK	50	0	20.41	20.54	20.58	20.45	20.38	22	0
20	QPSK	50	24	20.42	20.55	20.53	20.39	20.39		
20	QPSK	50	50	20.43	20.53	20.55	20.41	20.40		
20	QPSK	100	0	20.46	20.54	20.55	20.44	20.43		
20	16QAM	1	0	20.43	20.54	20.54	20.42	20.41	22	0
20	16QAM	1	49	20.42	20.55	20.56	20.41	20.42		
20	16QAM	1	99	20.44	20.54	20.53	20.43	20.43		
20	16QAM	50	0	20.46	20.53	20.57	20.42	20.43	22	0
20	16QAM	50	24	20.45	20.52	20.53	20.42	20.42		
20	16QAM	50	50	20.43	20.54	20.56	20.41	20.43		
20	16QAM	100	0	20.44	20.50	20.57	20.45	20.40		
20	64QAM	1	0	20.42	20.51	20.57	20.40	20.42	22	0
20	64QAM	1	49	20.43	20.53	20.57	20.44	20.41		
20	64QAM	1	99	20.40	20.55	20.55	20.39	20.40		
20	64QAM	50	0	20.44	20.52	20.58	20.42	20.38	22	0
20	64QAM	50	24	20.42	20.55	20.54	20.42	20.42		
20	64QAM	50	50	20.40	20.56	20.58	20.41	20.42		
20	64QAM	100	0	20.43	20.53	20.53	20.41	20.41		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.32	20.40	20.45	20.30	20.34	22	0
15	QPSK	1	37	20.31	20.41	20.48	20.34	20.31		
15	QPSK	1	74	20.35	20.45	20.45	20.33	20.31		
15	QPSK	36	0	20.36	20.45	20.48	20.32	20.29	22	0
15	QPSK	36	20	20.35	20.45	20.45	20.31	20.31		
15	QPSK	36	39	20.33	20.41	20.45	20.34	20.32		
15	QPSK	75	0	20.35	20.45	20.47	20.34	20.32		
15	16QAM	1	0	20.35	20.43	20.49	20.33	20.33	22	0
15	16QAM	1	37	20.33	20.40	20.43	20.34	20.29		
15	16QAM	1	74	20.34	20.42	20.45	20.33	20.30		
15	16QAM	36	0	20.35	20.46	20.44	20.30	20.31	22	0
15	16QAM	36	20	20.33	20.46	20.47	20.32	20.34		
15	16QAM	36	39	20.30	20.44	20.49	20.34	20.29		
15	16QAM	75	0	20.30	20.45	20.46	20.35	20.33		
15	64QAM	1	0	20.32	20.42	20.44	20.31	20.31	22	0
15	64QAM	1	37	20.36	20.43	20.48	20.31	20.28		
15	64QAM	1	74	20.36	20.45	20.47	20.34	20.32		
15	64QAM	36	0	20.34	20.46	20.48	20.33	20.29	22	0
15	64QAM	36	20	20.33	20.41	20.44	20.33	20.34		
15	64QAM	36	39	20.35	20.46	20.45	20.31	20.33		
15	64QAM	75	0	20.35	20.42	20.45	20.30	20.33		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.31	20.42	20.46	20.29	20.32	22	0
10	QPSK	1	25	20.30	20.46	20.44	20.30	20.30		
10	QPSK	1	49	20.35	20.43	20.44	20.30	20.31		
10	QPSK	25	0	20.31	20.42	20.43	20.32	20.30	22	0
10	QPSK	25	12	20.32	20.44	20.49	20.31	20.29		
10	QPSK	25	25	20.34	20.42	20.46	20.35	20.32		
10	QPSK	50	0	20.35	20.41	20.47	20.35	20.33		
10	16QAM	1	0	20.30	20.43	20.44	20.33	20.33	22	0
10	16QAM	1	25	20.30	20.44	20.48	20.30	20.33		
10	16QAM	1	49	20.35	20.44	20.44	20.33	20.28		
10	16QAM	25	0	20.35	20.42	20.46	20.35	20.33	22	0
10	16QAM	25	12	20.31	20.42	20.45	20.33	20.32		
10	16QAM	25	25	20.31	20.42	20.46	20.33	20.31		
10	16QAM	50	0	20.31	20.42	20.47	20.32	20.28		
10	64QAM	1	0	20.32	20.45	20.43	20.33	20.31	22	0
10	64QAM	1	25	20.33	20.45	20.43	20.34	20.32		
10	64QAM	1	49	20.34	20.42	20.48	20.31	20.32		
10	64QAM	25	0	20.33	20.42	20.46	20.33	20.31	22	0
10	64QAM	25	12	20.32	20.44	20.47	20.29	20.34		
10	64QAM	25	25	20.32	20.43	20.47	20.34	20.31		
10	64QAM	50	0	20.34	20.42	20.44	20.34	20.33		
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	20.32	20.44	20.48	20.31	20.34	22	0
5	QPSK	1	12	20.36	20.46	20.46	20.33	20.32		
5	QPSK	1	24	20.32	20.44	20.46	20.35	20.33		
5	QPSK	12	0	20.31	20.42	20.49	20.34	20.34	22	0
5	QPSK	12	7	20.34	20.41	20.43	20.30	20.29		
5	QPSK	12	13	20.36	20.42	20.47	20.32	20.29		
5	QPSK	25	0	20.34	20.42	20.43	20.34	20.33		
5	16QAM	1	0	20.34	20.46	20.49	20.33	20.32	22	0
5	16QAM	1	12	20.30	20.41	20.49	20.31	20.29		
5	16QAM	1	24	20.30	20.45	20.45	20.31	20.28		
5	16QAM	12	0	20.31	20.43	20.47	20.34	20.29	22	0
5	16QAM	12	7	20.33	20.46	20.43	20.31	20.30		
5	16QAM	12	13	20.34	20.43	20.48	20.33	20.31		
5	16QAM	25	0	20.31	20.44	20.48	20.32	20.33		
5	64QAM	1	0	20.34	20.43	20.49	20.33	20.29	22	0
5	64QAM	1	12	20.30	20.44	20.47	20.32	20.33		
5	64QAM	1	24	20.34	20.41	20.44	20.35	20.29		
5	64QAM	12	0	20.32	20.42	20.44	20.34	20.33	22	0
5	64QAM	12	7	20.32	20.43	20.45	20.31	20.32		
5	64QAM	12	13	20.32	20.42	20.43	20.33	20.33		
5	64QAM	25	0	20.32	20.40	20.44	20.31	20.31		

ECI7 Power for WWAN Main PA

	GSM850 Ant0 ECI7							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	29.32	29.27	29.13	30.50	20.32	20.27	20.13	21.50
GPRS 1 Tx slot	29.26	29.27	29.17	30.50	20.26	20.27	20.17	21.50
GPRS 2 Tx slots	28.21	28.37	28.20	29.50	22.21	22.37	22.20	23.50
GPRS 3 Tx slots	26.37	26.53	26.53	27.50	22.11	22.27	22.27	23.24
GPRS 4 Tx slots	25.34	25.43	25.20	26.50	22.34	22.43	22.20	23.50
EDGE 1 Tx slot	26.32	26.43	26.41	27.50	17.32	17.43	17.41	18.50
EDGE 2 Tx slots	25.16	25.10	25.31	26.00	19.16	19.10	19.31	20.00
EDGE 3 Tx slots	22.88	22.91	22.89	24.00	18.62	18.65	18.63	19.74
EDGE 4 Tx slots	21.38	21.49	21.52	22.50	18.38	18.49	18.52	19.50

	GSM1900 Ant0 ECI7							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	22.03	22.05	21.94	23.00	13.03	13.05	12.94	14.00
GPRS 1 Tx slot	22.06	22.08	21.95	23.00	13.06	13.08	12.95	14.00
GPRS 2 Tx slots	20.84	20.84	20.64	22.00	14.84	14.84	14.64	16.00
GPRS 3 Tx slots	18.76	18.86	18.63	20.00	14.50	14.60	14.37	15.74
GPRS 4 Tx slots	17.81	17.97	17.60	19.00	14.81	14.97	14.60	16.00
EDGE 1 Tx slot	17.90	17.80	17.73	19.00	8.90	8.80	8.73	10.00
EDGE 2 Tx slots	16.78	16.38	16.38	17.50	10.78	10.38	10.38	11.50
EDGE 3 Tx slots	14.77	14.35	14.32	15.50	10.51	10.09	10.06	11.24
EDGE 4 Tx slots	13.41	13.28	13.31	14.50	10.41	10.28	10.31	11.50

		WCDMA II Ant0 ECI7				WCDMA IV Ant0 ECI7				WCDMA V Ant0 ECI7			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.05	15.11	15.00	16.50	17.20	17.27	17.16	18.50	21.75	21.73	21.77	23.00
3GPP Rel 99	RMC 12.2Kbps	15.02	15.13	15.10	16.50	17.20	17.29	17.13	18.50	21.83	21.92	21.76	23.00
3GPP Rel 6	HSDPA Subtest-1	14.06	14.18	14.07	15.50	16.20	16.34	16.17	17.50	21.85	21.91	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	14.04	14.11	14.03	15.50	16.17	16.21	16.11	17.50	21.75	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	13.59	13.66	13.58	15.00	15.63	15.87	15.73	17.00	21.30	21.35	21.33	22.50
3GPP Rel 6	HSDPA Subtest-4	13.50	13.50	13.58	15.00	15.55	15.57	15.68	17.00	21.09	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.03	14.20	14.04	16.50	16.15	16.19	16.19	17.50	21.79	21.77	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.97	14.12	13.96	16.50	16.06	16.32	16.09	17.50	21.71	21.84	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.49	13.66	13.55	16.00	15.62	15.79	15.67	17.00	21.20	21.35	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.42	13.56	13.46	16.00	15.53	15.63	15.55	17.00	21.15	21.19	21.06	22.50
3GPP Rel 6	HSUPA Subtest-1	13.98	14.05	14.05	16.50	16.05	16.08	16.12	17.50	21.67	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-2	12.11	12.15	12.12	14.50	14.05	14.07	14.14	15.50	19.70	19.80	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	13.18	13.21	13.14	15.50	15.36	15.30	15.28	16.50	20.95	20.85	20.91	22.00
3GPP Rel 6	HSUPA Subtest-4	11.99	12.08	11.98	14.50	14.04	14.10	14.13	15.50	19.67	19.79	19.63	21.00
3GPP Rel 6	HSUPA Subtest-5	13.99	14.09	14.00	16.50	16.05	16.27	16.23	17.50	21.64	21.85	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.57	11.78	11.57	14.00	13.56	13.56	13.64	15.00	19.31	19.52	19.36	20.50

Band 2 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	15.10	15.19	15.09	16.5	0
20	QPSK	1	49	15.08	15.14	15.12		
20	QPSK	1	99	15.09	15.16	15.11		
20	QPSK	50	0	15.11	15.17	15.13	16.5	0
20	QPSK	50	24	15.12	15.16	15.10		
20	QPSK	50	50	15.10	15.13	15.14		
20	QPSK	100	0	15.09	15.16	15.10		
20	16QAM	1	0	15.07	15.15	15.13	16.5	0
20	16QAM	1	49	15.12	15.17	15.10		
20	16QAM	1	99	15.08	15.14	15.13		
20	16QAM	50	0	15.11	15.17	15.09	16.5	0
20	16QAM	50	24	15.11	15.16	15.11		
20	16QAM	50	50	15.12	15.15	15.09		
20	16QAM	100	0	15.08	15.17	15.10		
20	64QAM	1	0	15.10	15.16	15.09	16.5	0
20	64QAM	1	49	15.12	15.18	15.13		
20	64QAM	1	99	15.06	15.15	15.12		
20	64QAM	50	0	15.12	15.16	15.14	16.5	0
20	64QAM	50	24	15.09	15.17	15.12		
20	64QAM	50	50	15.12	15.14	15.11		
20	64QAM	100	0	15.10	15.17	15.10		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.02	15.13	15.05	16.5	0
15	QPSK	1	37	15.04	15.11	15.08		
15	QPSK	1	74	15.05	15.09	15.08		
15	QPSK	36	0	15.05	15.14	15.08	16.5	0
15	QPSK	36	20	15.06	15.09	15.04		
15	QPSK	36	39	15.07	15.10	15.04		
15	QPSK	75	0	15.01	15.12	15.05		
15	16QAM	1	0	15.04	15.13	15.07	16.5	0
15	16QAM	1	37	15.03	15.12	15.09		
15	16QAM	1	74	15.06	15.14	15.07		
15	16QAM	36	0	15.04	15.12	15.04	16.5	0
15	16QAM	36	20	15.06	15.09	15.08		
15	16QAM	36	39	15.03	15.09	15.04		
15	16QAM	75	0	15.06	15.09	15.05		
15	64QAM	1	0	15.06	15.09	15.08	16.5	0
15	64QAM	1	37	15.01	15.13	15.03		
15	64QAM	1	74	15.05	15.09	15.08		
15	64QAM	36	0	15.07	15.10	15.07	16.5	0
15	64QAM	36	20	15.05	15.12	15.06		
15	64QAM	36	39	15.04	15.10	15.08		
15	64QAM	75	0	15.06	15.13	15.05		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.03	15.11	15.07	16.5	0
10	QPSK	1	25	15.03	15.13	15.04		
10	QPSK	1	49	15.02	15.12	15.07		
10	QPSK	25	0	15.01	15.11	15.04	16.5	0
10	QPSK	25	12	15.01	15.08	15.04		
10	QPSK	25	25	15.01	15.12	15.07		
10	QPSK	50	0	15.05	15.13	15.03		
10	16QAM	1	0	15.06	15.11	15.03	16.5	0
10	16QAM	1	25	15.03	15.14	15.08		
10	16QAM	1	49	15.04	15.10	15.09		
10	16QAM	25	0	15.02	15.14	15.05	16.5	0
10	16QAM	25	12	15.02	15.11	15.09		
10	16QAM	25	25	15.07	15.08	15.07		
10	16QAM	50	0	15.07	15.13	15.07		
10	64QAM	1	0	15.03	15.08	15.08	16.5	0
10	64QAM	1	25	15.06	15.09	15.08		
10	64QAM	1	49	15.03	15.10	15.09		
10	64QAM	25	0	15.03	15.14	15.03	16.5	0
10	64QAM	25	12	15.01	15.09	15.03		
10	64QAM	25	25	15.06	15.10	15.03		
10	64QAM	50	0	15.05	15.09	15.07		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.03	15.14	15.09	16.5	0
5	QPSK	1	12	15.03	15.14	15.05		
5	QPSK	1	24	15.06	15.08	15.04		
5	QPSK	12	0	15.01	15.08	15.07	16.5	0
5	QPSK	12	7	15.04	15.09	15.07		
5	QPSK	12	13	15.06	15.12	15.07		
5	QPSK	25	0	15.04	15.11	15.05		
5	16QAM	1	0	15.05	15.10	15.09	16.5	0
5	16QAM	1	12	15.07	15.10	15.05		
5	16QAM	1	24	15.03	15.10	15.04		
5	16QAM	12	0	15.06	15.14	15.09	16.5	0
5	16QAM	12	7	15.01	15.08	15.07		
5	16QAM	12	13	15.05	15.11	15.03		
5	16QAM	25	0	15.05	15.13	15.05		
5	64QAM	1	0	15.06	15.12	15.04	16.5	0
5	64QAM	1	12	15.05	15.08	15.05		
5	64QAM	1	24	15.01	15.09	15.09		
5	64QAM	12	0	15.05	15.09	15.07	16.5	0
5	64QAM	12	7	15.06	15.11	15.05		
5	64QAM	12	13	15.04	15.13	15.07		
5	64QAM	25	0	15.07	15.10	15.03		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.03	15.11	15.05	16.5	0
3	QPSK	1	8	15.03	15.09	15.04		
3	QPSK	1	14	15.03	15.13	15.04		
3	QPSK	8	0	15.07	15.13	15.07	16.5	0
3	QPSK	8	4	15.05	15.10	15.03		
3	QPSK	8	7	15.05	15.10	15.05		
3	QPSK	15	0	15.06	15.13	15.05		
3	16QAM	1	0	15.05	15.11	15.09	16.5	0
3	16QAM	1	8	15.01	15.10	15.06		
3	16QAM	1	14	15.01	15.11	15.08		
3	16QAM	8	0	15.07	15.10	15.05	16.5	0
3	16QAM	8	4	15.06	15.14	15.09		
3	16QAM	8	7	15.05	15.10	15.03		
3	16QAM	15	0	15.02	15.11	15.07		
3	64QAM	1	0	15.03	15.10	15.06	16.5	0
3	64QAM	1	8	15.02	15.13	15.09		
3	64QAM	1	14	15.04	15.09	15.03		
3	64QAM	8	0	15.06	15.12	15.08	16.5	0
3	64QAM	8	4	15.04	15.10	15.06		
3	64QAM	8	7	15.01	15.08	15.04		
3	64QAM	15	0	15.02	15.13	15.09		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.02	15.11	15.06	16.5	0
1.4	QPSK	1	3	15.02	15.11	15.03		
1.4	QPSK	1	5	15.02	15.12	15.07		
1.4	QPSK	3	0	15.06	15.10	15.03		
1.4	QPSK	3	1	15.05	15.13	15.06		
1.4	QPSK	3	3	15.06	15.09	15.08		
1.4	QPSK	6	0	15.03	15.08	15.05	16.5	0
1.4	16QAM	1	0	15.01	15.12	15.04	16.5	0
1.4	16QAM	1	3	15.05	15.13	15.08		
1.4	16QAM	1	5	15.02	15.14	15.05		
1.4	16QAM	3	0	15.05	15.14	15.03		
1.4	16QAM	3	1	15.06	15.11	15.08		
1.4	16QAM	3	3	15.01	15.08	15.03		
1.4	16QAM	6	0	15.07	15.08	15.06	16.5	0
1.4	64QAM	1	0	15.05	15.13	15.09	16.5	0
1.4	64QAM	1	3	15.04	15.09	15.03		
1.4	64QAM	1	5	15.02	15.09	15.07		
1.4	64QAM	3	0	15.01	15.13	15.08		
1.4	64QAM	3	1	15.02	15.09	15.06		
1.4	64QAM	3	3	15.06	15.13	15.04		
1.4	64QAM	6	0	15.06	15.12	15.03	16.5	0

Band 4 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.40	16.66	16.53	18	0
20	QPSK	1	49	16.44	16.64	16.51		
20	QPSK	1	99	16.44	16.59	16.53		
20	QPSK	50	0	16.43	16.61	16.57	18	0
20	QPSK	50	24	16.41	16.59	16.48		
20	QPSK	50	50	16.40	16.54	16.51		
20	QPSK	100	0	16.39	16.60	16.57		
20	16QAM	1	0	16.38	16.58	16.52	18	0
20	16QAM	1	49	16.41	16.60	16.55		
20	16QAM	1	99	16.39	16.58	16.53		
20	16QAM	50	0	16.40	16.56	16.51	18	0
20	16QAM	50	24	16.40	16.63	16.51		
20	16QAM	50	50	16.45	16.58	16.52		
20	16QAM	100	0	16.44	16.57	16.55		
20	64QAM	1	0	16.43	16.59	16.50	18	0
20	64QAM	1	49	16.42	16.56	16.54		
20	64QAM	1	99	16.36	16.61	16.56		
20	64QAM	50	0	16.41	16.61	16.55	18	0
20	64QAM	50	24	16.39	16.63	16.53		
20	64QAM	50	50	16.39	16.56	16.58		
20	64QAM	100	0	16.39	16.57	16.54		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.32	16.53	16.40	18	0
15	QPSK	1	37	16.36	16.50	16.46		
15	QPSK	1	74	16.34	16.49	16.39		
15	QPSK	36	0	16.36	16.51	16.46	18	0
15	QPSK	36	20	16.32	16.49	16.39		
15	QPSK	36	39	16.32	16.47	16.42		
15	QPSK	75	0	16.28	16.47	16.44		
15	16QAM	1	0	16.27	16.45	16.47	18	0
15	16QAM	1	37	16.36	16.47	16.48		
15	16QAM	1	74	16.31	16.48	16.43		
15	16QAM	36	0	16.30	16.49	16.45	18	0
15	16QAM	36	20	16.31	16.50	16.47		
15	16QAM	36	39	16.32	16.49	16.43		
15	16QAM	75	0	16.31	16.49	16.45		
15	64QAM	1	0	16.31	16.47	16.42	18	0
15	64QAM	1	37	16.35	16.48	16.41		
15	64QAM	1	74	16.27	16.51	16.43		
15	64QAM	36	0	16.34	16.52	16.41	18	0
15	64QAM	36	20	16.29	16.48	16.43		
15	64QAM	36	39	16.31	16.48	16.49		
15	64QAM	75	0	16.30	16.50	16.42		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.29	16.52	16.42	18	0
10	QPSK	1	25	16.32	16.53	16.43		
10	QPSK	1	49	16.30	16.47	16.43		
10	QPSK	25	0	16.34	16.48	16.41	18	0
10	QPSK	25	12	16.34	16.49	16.39		
10	QPSK	25	25	16.31	16.44	16.44		
10	QPSK	50	0	16.26	16.49	16.45		
10	16QAM	1	0	16.31	16.47	16.45	18	0
10	16QAM	1	25	16.36	16.52	16.47		
10	16QAM	1	49	16.33	16.45	16.43		
10	16QAM	25	0	16.29	16.45	16.43	18	0
10	16QAM	25	12	16.34	16.51	16.44		
10	16QAM	25	25	16.29	16.50	16.43		
10	16QAM	50	0	16.31	16.47	16.45		
10	64QAM	1	0	16.27	16.44	16.40	18	0
10	64QAM	1	25	16.36	16.43	16.40		
10	64QAM	1	49	16.29	16.52	16.45		
10	64QAM	25	0	16.36	16.50	16.45	18	0
10	64QAM	25	12	16.31	16.49	16.40		
10	64QAM	25	25	16.34	16.45	16.49		
10	64QAM	50	0	16.33	16.50	16.41		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.32	16.56	16.43	18	0
5	QPSK	1	12	16.30	16.54	16.44		
5	QPSK	1	24	16.34	16.45	16.39		
5	QPSK	12	0	16.34	16.48	16.41	18	0
5	QPSK	12	7	16.34	16.47	16.40		
5	QPSK	12	13	16.30	16.48	16.43		
5	QPSK	25	0	16.28	16.48	16.47		
5	16QAM	1	0	16.31	16.49	16.46	18	0
5	16QAM	1	12	16.34	16.52	16.45		
5	16QAM	1	24	16.29	16.47	16.42		
5	16QAM	12	0	16.26	16.46	16.41	18	0
5	16QAM	12	7	16.30	16.52	16.44		
5	16QAM	12	13	16.32	16.51	16.43		
5	16QAM	25	0	16.33	16.49	16.44		
5	64QAM	1	0	16.30	16.48	16.42	18	0
5	64QAM	1	12	16.33	16.43	16.44		
5	64QAM	1	24	16.31	16.48	16.44		
5	64QAM	12	0	16.35	16.50	16.46	18	0
5	64QAM	12	7	16.29	16.52	16.42		
5	64QAM	12	13	16.33	16.50	16.44		
5	64QAM	25	0	16.28	16.52	16.46		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.32	16.53	16.42	18	0
3	QPSK	1	8	16.35	16.54	16.42		
3	QPSK	1	14	16.32	16.47	16.41		
3	QPSK	8	0	16.36	16.50	16.44	18	0
3	QPSK	8	4	16.31	16.45	16.41		
3	QPSK	8	7	16.32	16.49	16.42		
3	QPSK	15	0	16.26	16.48	16.43		
3	16QAM	1	0	16.29	16.47	16.43	18	0
3	16QAM	1	8	16.35	16.51	16.48		
3	16QAM	1	14	16.32	16.50	16.43		
3	16QAM	8	0	16.31	16.44	16.41	18	0
3	16QAM	8	4	16.31	16.49	16.46		
3	16QAM	8	7	16.34	16.54	16.46		
3	16QAM	15	0	16.34	16.51	16.42		
3	64QAM	1	0	16.29	16.48	16.44	18	0
3	64QAM	1	8	16.34	16.46	16.40		
3	64QAM	1	14	16.29	16.51	16.48		
3	64QAM	8	0	16.35	16.53	16.43	18	0
3	64QAM	8	4	16.30	16.54	16.41		
3	64QAM	8	7	16.34	16.49	16.48		
3	64QAM	15	0	16.29	16.51	16.46		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.33	16.58	16.39	18	0
1.4	QPSK	1	3	16.35	16.49	16.46		
1.4	QPSK	1	5	16.35	16.47	16.38		
1.4	QPSK	3	0	16.38	16.49	16.47		
1.4	QPSK	3	1	16.35	16.47	16.40		
1.4	QPSK	3	3	16.33	16.44	16.39		
1.4	QPSK	6	0	16.28	16.47	16.47	18	0
1.4	16QAM	1	0	16.32	16.49	16.44	18	0
1.4	16QAM	1	3	16.32	16.50	16.47		
1.4	16QAM	1	5	16.31	16.46	16.43		
1.4	16QAM	3	0	16.31	16.48	16.42		
1.4	16QAM	3	1	16.32	16.52	16.44		
1.4	16QAM	3	3	16.35	16.53	16.45		
1.4	16QAM	6	0	16.35	16.51	16.46	18	0
1.4	64QAM	1	0	16.30	16.48	16.42	18	0
1.4	64QAM	1	3	16.32	16.45	16.39		
1.4	64QAM	1	5	16.31	16.50	16.43		
1.4	64QAM	3	0	16.35	16.50	16.44		
1.4	64QAM	3	1	16.31	16.50	16.40		
1.4	64QAM	3	3	16.29	16.51	16.43		
1.4	64QAM	6	0	16.30	16.50	16.45	18	0

Band 12 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.60	22.67	22.63	24	0
10	QPSK	1	25	22.54	22.57	22.47		
10	QPSK	1	49	22.37	22.56	22.48		
10	QPSK	25	0	21.56	21.62	21.47	23	1
10	QPSK	25	12	21.54	21.58	21.42		
10	QPSK	25	25	21.40	21.50	21.46		
10	QPSK	50	0	21.54	21.58	21.49		
10	16QAM	1	0	21.43	21.48	21.47	23	1
10	16QAM	1	25	21.29	21.46	21.41		
10	16QAM	1	49	21.27	21.38	21.26		
10	16QAM	25	0	20.59	20.64	20.59	22	2
10	16QAM	25	12	20.50	20.53	20.40		
10	16QAM	25	25	20.48	20.56	20.49		
10	16QAM	50	0	20.51	20.58	20.45		
10	64QAM	1	0	20.53	20.63	20.53	22	2
10	64QAM	1	25	20.55	20.61	20.50		
10	64QAM	1	49	20.49	20.55	20.51		
10	64QAM	25	0	19.54	19.56	19.48	21	3
10	64QAM	25	12	19.36	19.50	19.47		
10	64QAM	25	25	19.44	19.54	19.42		
10	64QAM	50	0	19.41	19.55	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.63	22.59	24	0
5	QPSK	1	12	22.52	22.53	22.43		
5	QPSK	1	24	22.31	22.49	22.45		
5	QPSK	12	0	21.51	21.56	21.42	23	1
5	QPSK	12	7	21.46	21.52	21.36		
5	QPSK	12	13	21.37	21.47	21.42		
5	QPSK	25	0	21.50	21.55	21.46		
5	16QAM	1	0	21.35	21.44	21.44	23	1
5	16QAM	1	12	21.25	21.38	21.34		
5	16QAM	1	24	21.19	21.31	21.22		
5	16QAM	12	0	20.57	20.59	20.56	22	2
5	16QAM	12	7	20.45	20.47	20.35		
5	16QAM	12	13	20.44	20.50	20.42		
5	16QAM	25	0	20.43	20.56	20.42		
5	64QAM	1	0	20.48	20.56	20.49	22	2
5	64QAM	1	12	20.50	20.56	20.46		
5	64QAM	1	24	20.44	20.52	20.43		
5	64QAM	12	0	19.51	19.48	19.40	21	3
5	64QAM	12	7	19.28	19.44	19.40		
5	64QAM	12	13	19.41	19.50	19.39		
5	64QAM	25	0	19.38	19.48	19.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.54	22.64	22.57	24	0
3	QPSK	1	8	22.48	22.53	22.44		
3	QPSK	1	14	22.33	22.52	22.41		
3	QPSK	8	0	21.53	21.55	21.41	23	1
3	QPSK	8	4	21.46	21.56	21.39		
3	QPSK	8	7	21.34	21.42	21.43		
3	QPSK	15	0	21.47	21.55	21.44		
3	16QAM	1	0	21.38	21.44	21.40	23	1
3	16QAM	1	8	21.27	21.41	21.37		
3	16QAM	1	14	21.25	21.33	21.22		
3	16QAM	8	0	20.53	20.56	20.53	22	2
3	16QAM	8	4	20.42	20.45	20.35		
3	16QAM	8	7	20.42	20.51	20.42		
3	16QAM	15	0	20.46	20.55	20.40		
3	64QAM	1	0	20.46	20.58	20.47	22	2
3	64QAM	1	8	20.50	20.54	20.46		
3	64QAM	1	14	20.42	20.47	20.48		
3	64QAM	8	0	19.46	19.50	19.42	21	3
3	64QAM	8	4	19.31	19.46	19.40		
3	64QAM	8	7	19.38	19.47	19.34		
3	64QAM	15	0	19.33	19.51	19.47		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.56	22.62	22.57	24	0
1.4	QPSK	1	3	22.49	22.52	22.39		
1.4	QPSK	1	5	22.32	22.49	22.44		
1.4	QPSK	3	0	22.53	22.64	22.59		
1.4	QPSK	3	1	22.50	22.50	22.40		
1.4	QPSK	3	3	22.29	22.48	22.42		
1.4	QPSK	6	0	21.46	21.51	21.41	23	1
1.4	16QAM	1	0	21.40	21.42	21.42	23	1
1.4	16QAM	1	3	21.21	21.41	21.37		
1.4	16QAM	1	5	21.22	21.35	21.20		
1.4	16QAM	3	0	21.37	21.41	21.39		
1.4	16QAM	3	1	21.26	21.42	21.33		
1.4	16QAM	3	3	21.23	21.35	21.22		
1.4	16QAM	6	0	20.46	20.51	20.38	22	2
1.4	64QAM	1	0	20.45	20.57	20.49	22	2
1.4	64QAM	1	3	20.50	20.58	20.47		
1.4	64QAM	1	5	20.42	20.52	20.47		
1.4	64QAM	3	0	20.44	20.52	20.47		
1.4	64QAM	3	1	20.48	20.50	20.39		
1.4	64QAM	3	3	20.47	20.56	20.49		
1.4	64QAM	6	0	19.39	19.51	19.45	21	3

Band 17 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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.52	22.68	22.59	24	0
10	QPSK	1	25	22.50	22.51	22.45		
10	QPSK	1	49	22.34	22.52	22.46		
10	QPSK	25	0	21.49	21.56	21.41	23	1
10	QPSK	25	12	21.49	21.52	21.39		
10	QPSK	25	25	21.34	21.47	21.44		
10	QPSK	50	0	21.44	21.51	21.36		
10	16QAM	1	0	21.42	21.45	21.42	23	1
10	16QAM	1	25	21.19	21.38	21.34		
10	16QAM	1	49	21.22	21.30	21.23		
10	16QAM	25	0	20.54	20.51	20.53	22	2
10	16QAM	25	12	20.47	20.49	20.34		
10	16QAM	25	25	20.42	20.57	20.45		
10	16QAM	50	0	20.40	20.52	20.46		
10	64QAM	1	0	20.42	20.56	20.43	22	2
10	64QAM	1	25	20.47	20.57	20.39		
10	64QAM	1	49	20.45	20.48	20.39		
10	64QAM	25	0	19.52	19.51	19.42	21	3
10	64QAM	25	12	19.34	19.44	19.40		
10	64QAM	25	25	19.36	19.48	19.32		
10	64QAM	50	0	19.43	19.50	19.46		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.51	22.65	22.56	24	0
5	QPSK	1	12	22.45	22.47	22.45		
5	QPSK	1	24	22.29	22.51	22.44		
5	QPSK	12	0	21.45	21.55	21.38	23	1
5	QPSK	12	7	21.44	21.52	21.38		
5	QPSK	12	13	21.29	21.43	21.43		
5	QPSK	25	0	21.40	21.48	21.31		
5	16QAM	1	0	21.42	21.40	21.40	23	1
5	16QAM	1	12	21.17	21.36	21.32		
5	16QAM	1	24	21.22	21.27	21.22		
5	16QAM	12	0	20.54	20.46	20.50	22	2
5	16QAM	12	7	20.42	20.45	20.34		
5	16QAM	12	13	20.40	20.53	20.40		
5	16QAM	25	0	20.35	20.51	20.41		
5	64QAM	1	0	20.37	20.54	20.41	22	2
5	64QAM	1	12	20.43	20.57	20.34		
5	64QAM	1	24	20.40	20.47	20.37		
5	64QAM	12	0	19.49	19.47	19.39	21	3
5	64QAM	12	7	19.34	19.40	19.37		
5	64QAM	12	13	19.35	19.47	19.29		
5	64QAM	25	0	19.41	19.51	19.47		

Band 26 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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.65	22.80	22.74	24	0
15	QPSK	1	37	22.76	22.78	22.58		
15	QPSK	1	74	22.51	22.57	22.58		
15	QPSK	36	0	21.76	22.01	21.87	23	1
15	QPSK	36	20	21.76	21.85	21.73		
15	QPSK	36	39	21.76	21.76	21.74		
15	QPSK	75	0	21.76	21.95	21.91		
15	16QAM	1	0	21.66	21.86	21.73	23	1
15	16QAM	1	37	21.77	21.78	21.64		
15	16QAM	1	74	21.63	21.79	21.62		
15	16QAM	36	0	20.79	20.93	20.83	22	2
15	16QAM	36	20	20.77	20.82	20.72		
15	16QAM	36	39	20.72	20.87	20.73		
15	16QAM	75	0	20.70	20.82	20.78		
15	64QAM	1	0	20.80	21.04	20.79	22	2
15	64QAM	1	37	20.82	20.96	20.80		
15	64QAM	1	74	20.75	20.92	20.81		
15	64QAM	36	0	19.77	19.96	19.79	21	3
15	64QAM	36	20	19.70	19.83	19.59		
15	64QAM	36	39	19.69	19.77	19.83		
15	64QAM	75	0	19.67	19.66	19.75		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.55	22.72	22.66	24	0
10	QPSK	1	25	22.67	22.69	22.48		
10	QPSK	1	49	22.42	22.49	22.49		
10	QPSK	25	0	21.68	21.93	21.79	23	1
10	QPSK	25	12	21.66	21.77	21.64		
10	QPSK	25	25	21.66	21.66	21.65		
10	QPSK	50	0	21.67	21.87	21.82		
10	16QAM	1	0	21.56	21.77	21.63	23	1
10	16QAM	1	25	21.69	21.70	21.54		
10	16QAM	1	49	21.55	21.71	21.54		
10	16QAM	25	0	20.71	20.84	20.75	22	2
10	16QAM	25	12	20.68	20.74	20.62		
10	16QAM	25	25	20.62	20.77	20.65		
10	16QAM	50	0	20.60	20.73	20.70		
10	64QAM	1	0	20.71	20.95	20.70	22	2
10	64QAM	1	25	20.72	20.88	20.72		
10	64QAM	1	49	20.66	20.82	20.72		
10	64QAM	25	0	19.69	19.87	19.71	21	3
10	64QAM	25	12	19.62	19.74	19.49		
10	64QAM	25	25	19.60	19.69	19.73		
10	64QAM	50	0	19.58	19.56	19.66		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.56	22.72	22.66	24	0
5	QPSK	1	12	22.68	22.68	22.49		
5	QPSK	1	24	22.43	22.48	22.50		
5	QPSK	12	0	21.66	21.91	21.79	23	1
5	QPSK	12	7	21.68	21.77	21.63		
5	QPSK	12	13	21.67	21.67	21.64		
5	QPSK	25	0	21.67	21.85	21.83		
5	16QAM	1	0	21.58	21.78	21.63	23	1
5	16QAM	1	12	21.69	21.68	21.55		
5	16QAM	1	24	21.55	21.71	21.52		
5	16QAM	12	0	20.71	20.85	20.75	22	2
5	16QAM	12	7	20.69	20.72	20.62		
5	16QAM	12	13	20.64	20.78	20.63		
5	16QAM	25	0	20.61	20.73	20.70		
5	64QAM	1	0	20.72	20.95	20.71	22	2
5	64QAM	1	12	20.72	20.86	20.71		
5	64QAM	1	24	20.66	20.82	20.72		
5	64QAM	12	0	19.67	19.87	19.69	21	3
5	64QAM	12	7	19.60	19.75	19.50		
5	64QAM	12	13	19.61	19.67	19.75		
5	64QAM	25	0	19.59	19.56	19.67		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.55	22.72	22.65	24	0
3	QPSK	1	8	22.67	22.69	22.50		
3	QPSK	1	14	22.42	22.49	22.50		
3	QPSK	8	0	21.66	21.92	21.79	23	1
3	QPSK	8	4	21.66	21.75	21.64		
3	QPSK	8	7	21.68	21.66	21.66		
3	QPSK	15	0	21.66	21.86	21.81		
3	16QAM	1	0	21.56	21.77	21.65	23	1
3	16QAM	1	8	21.69	21.68	21.56		
3	16QAM	1	14	21.53	21.70	21.54		
3	16QAM	8	0	20.70	20.84	20.74	22	2
3	16QAM	8	4	20.67	20.74	20.64		
3	16QAM	8	7	20.62	20.79	20.63		
3	16QAM	15	0	20.61	20.72	20.69		
3	64QAM	1	0	20.71	20.94	20.71	22	2
3	64QAM	1	8	20.72	20.87	20.70		
3	64QAM	1	14	20.67	20.84	20.72		
3	64QAM	8	0	19.68	19.86	19.71	21	3
3	64QAM	8	4	19.62	19.74	19.49		
3	64QAM	8	7	19.61	19.69	19.75		
3	64QAM	15	0	19.59	19.57	19.67		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.55	22.72	22.66	24	0
1.4	QPSK	1	3	22.66	22.70	22.50		
1.4	QPSK	1	5	22.41	22.48	22.49		
1.4	QPSK	3	0	22.55	22.72	22.64		
1.4	QPSK	3	1	22.68	22.69	22.47		
1.4	QPSK	3	3	22.38	22.45	22.48		
1.4	QPSK	6	0	21.68	21.86	21.83	23	1
1.4	16QAM	1	0	21.58	21.76	21.64	23	1
1.4	16QAM	1	3	21.68	21.68	21.54		
1.4	16QAM	1	5	21.53	21.70	21.52		
1.4	16QAM	3	0	21.55	21.72	21.68		
1.4	16QAM	3	1	21.66	21.69	21.50		
1.4	16QAM	3	3	21.44	21.49	21.46		
1.4	16QAM	6	0	20.60	20.73	20.70	22	2
1.4	64QAM	1	0	20.70	20.96	20.71	22	2
1.4	64QAM	1	3	20.73	20.88	20.72		
1.4	64QAM	1	5	20.65	20.83	20.72		
1.4	64QAM	3	0	20.53	20.72	20.66		
1.4	64QAM	3	1	20.67	20.71	20.48		
1.4	64QAM	3	3	20.43	20.49	20.49		
1.4	64QAM	6	0	19.58	19.58	19.65	21	3

Band 38 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	11.07	11.24	11.05	12	0
20	QPSK	1	49	11.09	11.21	11.02		
20	QPSK	1	99	11.12	11.15	11.02		
20	QPSK	50	0	11.08	11.25	11.03	12	0
20	QPSK	50	24	11.15	11.23	11.05		
20	QPSK	50	50	11.14	11.23	11.00		
20	QPSK	100	0	11.08	11.21	11.02		
20	16QAM	1	0	11.12	11.15	11.03	12	0
20	16QAM	1	49	11.16	11.19	11.08		
20	16QAM	1	99	11.14	11.18	10.99		
20	16QAM	50	0	11.08	11.21	11.04	12	0
20	16QAM	50	24	11.16	11.21	11.06		
20	16QAM	50	50	11.07	11.18	11.03		
20	16QAM	100	0	11.11	11.16	11.06		
20	64QAM	1	0	11.10	11.19	11.02	12	0
20	64QAM	1	49	11.11	11.14	11.08		
20	64QAM	1	99	11.11	11.20	11.10		
20	64QAM	50	0	11.09	11.16	11.05	12	0
20	64QAM	50	24	11.11	11.20	11.05		
20	64QAM	50	50	11.11	11.16	11.06		
20	64QAM	100	0	11.09	11.23	11.06		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	11.11	11.27	11.05	12	0
15	QPSK	1	37	11.12	11.20	11.01		
15	QPSK	1	74	11.09	11.19	11.02		
15	QPSK	36	0	11.08	11.21	11.05	12	0
15	QPSK	36	20	11.12	11.28	11.06		
15	QPSK	36	39	11.14	11.18	11.03		
15	QPSK	75	0	11.12	11.23	11.03		
15	16QAM	1	0	11.10	11.14	11.08	12	0
15	16QAM	1	37	11.17	11.20	11.04		
15	16QAM	1	74	11.11	11.15	11.05		
15	16QAM	36	0	11.08	11.21	11.05	12	0
15	16QAM	36	20	11.15	11.18	11.08		
15	16QAM	36	39	11.09	11.21	11.04		
15	16QAM	75	0	11.09	11.17	11.04		
15	64QAM	1	0	11.11	11.21	11.04	12	0
15	64QAM	1	37	11.05	11.15	11.06		
15	64QAM	1	74	11.10	11.20	11.08		
15	64QAM	36	0	11.11	11.18	11.04	12	0
15	64QAM	36	20	11.11	11.17	11.04		
15	64QAM	36	39	11.11	11.17	11.06		
15	64QAM	75	0	11.14	11.20	11.09		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	11.10	11.26	11.04	12	0
10	QPSK	1	25	11.08	11.18	11.04		
10	QPSK	1	49	11.12	11.17	11.02		
10	QPSK	25	0	11.11	11.24	11.02	12	0
10	QPSK	25	12	11.15	11.26	11.04		
10	QPSK	25	25	11.13	11.22	11.04		
10	QPSK	50	0	11.09	11.22	11.03		
10	16QAM	1	0	11.11	11.17	11.04	12	0
10	16QAM	1	25	11.15	11.17	11.06		
10	16QAM	1	49	11.13	11.17	11.02		
10	16QAM	25	0	11.07	11.21	11.01	12	0
10	16QAM	25	12	11.14	11.15	11.07		
10	16QAM	25	25	11.07	11.22	11.05		
10	16QAM	50	0	11.11	11.17	11.01		
10	64QAM	1	0	11.12	11.23	11.05	12	0
10	64QAM	1	25	11.10	11.18	11.09		
10	64QAM	1	49	11.10	11.21	11.08		
10	64QAM	25	0	11.11	11.17	11.06	12	0
10	64QAM	25	12	11.09	11.16	11.03		
10	64QAM	25	25	11.13	11.14	11.07		
10	64QAM	50	0	11.12	11.23	11.04		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	11.08	11.24	11.05	12	0
5	QPSK	1	12	11.07	11.17	11.01		
5	QPSK	1	24	11.10	11.16	11.06		
5	QPSK	12	0	11.07	11.22	11.05	12	0
5	QPSK	12	7	11.13	11.25	11.04		
5	QPSK	12	13	11.13	11.20	11.01		
5	QPSK	25	0	11.10	11.18	11.00		
5	16QAM	1	0	11.10	11.17	11.04	12	0
5	16QAM	1	12	11.13	11.20	11.08		
5	16QAM	1	24	11.12	11.17	11.01		
5	16QAM	12	0	11.06	11.17	11.04	12	0
5	16QAM	12	7	11.14	11.19	11.09		
5	16QAM	12	13	11.06	11.21	11.08		
5	16QAM	25	0	11.09	11.15	11.03		
5	64QAM	1	0	11.10	11.20	11.04	12	0
5	64QAM	1	12	11.09	11.19	11.09		
5	64QAM	1	24	11.10	11.21	11.09		
5	64QAM	12	0	11.08	11.17	11.04	12	0
5	64QAM	12	7	11.10	11.20	11.07		
5	64QAM	12	13	11.13	11.16	11.06		
5	64QAM	25	0	11.13	11.23	11.03		

Band 41 Ant4 ECI7

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	11.01	11.15	11.39	11.10	11.25	12	0
20	QPSK	1	49	11.11	11.07	11.34	11.09	11.34		
20	QPSK	1	99	11.05	11.12	11.36	11.05	11.30		
20	QPSK	50	0	11.05	11.13	11.38	11.14	11.33	12	0
20	QPSK	50	24	11.02	11.13	11.35	11.13	11.26		
20	QPSK	50	50	11.02	11.14	11.37	11.04	11.30		
20	QPSK	100	0	11.08	11.10	11.32	11.11	11.36		
20	16QAM	1	0	11.06	11.10	11.35	11.12	11.33	12	0
20	16QAM	1	49	11.06	11.08	11.36	11.11	11.33		
20	16QAM	1	99	11.11	11.09	11.36	11.11	11.29		
20	16QAM	50	0	11.01	11.13	11.37	11.12	11.30	12	0
20	16QAM	50	24	11.07	11.15	11.34	11.09	11.35		
20	16QAM	50	50	11.07	11.10	11.34	11.05	11.32		
20	16QAM	100	0	11.05	11.11	11.33	11.12	11.31		
20	64QAM	1	0	11.05	11.12	11.40	11.10	11.31	12	0
20	64QAM	1	49	11.08	11.08	11.39	11.06	11.28		
20	64QAM	1	99	11.10	11.09	11.35	11.14	11.32		
20	64QAM	50	0	11.08	11.10	11.32	11.06	11.29	12	0
20	64QAM	50	24	11.06	11.09	11.36	11.13	11.32		
20	64QAM	50	50	11.09	11.12	11.35	11.10	11.32		
20	64QAM	100	0	11.06	11.10	11.37	11.14	11.32		
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	11.03	11.14	11.36	11.08	11.29	12	0
15	QPSK	1	37	11.08	11.12	11.37	11.06	11.31		
15	QPSK	1	74	11.04	11.11	11.34	11.07	11.29		
15	QPSK	36	0	11.04	11.12	11.37	11.09	11.34	12	0
15	QPSK	36	20	11.03	11.13	11.39	11.12	11.29		
15	QPSK	36	39	11.03	11.11	11.37	11.04	11.27		
15	QPSK	75	0	11.04	11.10	11.38	11.06	11.36		
15	16QAM	1	0	11.07	11.12	11.38	11.10	11.35	12	0
15	16QAM	1	37	11.06	11.11	11.30	11.10	11.33		
15	16QAM	1	74	11.06	11.11	11.36	11.08	11.34		
15	16QAM	36	0	11.00	11.14	11.35	11.12	11.33	12	0
15	16QAM	36	20	11.09	11.11	11.34	11.08	11.32		
15	16QAM	36	39	11.03	11.06	11.34	11.07	11.29		
15	16QAM	75	0	11.04	11.08	11.35	11.09	11.27		
15	64QAM	1	0	11.05	11.15	11.36	11.08	11.28	12	0
15	64QAM	1	37	11.07	11.06	11.35	11.10	11.28		
15	64QAM	1	74	11.05	11.09	11.33	11.15	11.30		
15	64QAM	36	0	11.09	11.12	11.33	11.06	11.26	12	0
15	64QAM	36	20	11.06	11.08	11.39	11.10	11.31		
15	64QAM	36	39	11.06	11.10	11.35	11.07	11.33		
15	64QAM	75	0	11.07	11.06	11.37	11.08	11.29		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	11.01	11.14	11.41	11.12	11.30	12	0
10	QPSK	1	25	11.08	11.08	11.34	11.07	11.32		
10	QPSK	1	49	11.04	11.10	11.39	11.05	11.31		
10	QPSK	25	0	11.08	11.15	11.37	11.12	11.36	12	0
10	QPSK	25	12	11.02	11.13	11.34	11.15	11.30		
10	QPSK	25	25	11.06	11.16	11.37	11.05	11.30		
10	QPSK	50	0	11.05	11.13	11.35	11.11	11.35		
10	16QAM	1	0	11.10	11.10	11.35	11.11	11.29	12	0
10	16QAM	1	25	11.08	11.08	11.32	11.07	11.34		
10	16QAM	1	49	11.08	11.07	11.31	11.09	11.30		
10	16QAM	25	0	11.01	11.13	11.35	11.08	11.31	12	0
10	16QAM	25	12	11.07	11.14	11.34	11.05	11.31		
10	16QAM	25	25	11.03	11.06	11.34	11.10	11.29		
10	16QAM	50	0	11.04	11.06	11.36	11.14	11.28		
10	64QAM	1	0	11.06	11.12	11.37	11.11	11.30	12	0
10	64QAM	1	25	11.05	11.09	11.38	11.11	11.29		
10	64QAM	1	49	11.07	11.07	11.33	11.15	11.33		
10	64QAM	25	0	11.04	11.15	11.30	11.08	11.29	12	0
10	64QAM	25	12	11.04	11.08	11.38	11.14	11.31		
10	64QAM	25	25	11.07	11.10	11.35	11.08	11.31		
10	64QAM	50	0	11.09	11.11	11.39	11.11	11.29		
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	11.01	11.12	11.40	11.09	11.29	12	0
5	QPSK	1	12	11.10	11.11	11.36	11.11	11.36		
5	QPSK	1	24	11.04	11.09	11.39	11.08	11.32		
5	QPSK	12	0	11.05	11.15	11.35	11.13	11.33	12	0
5	QPSK	12	7	11.03	11.11	11.38	11.12	11.30		
5	QPSK	12	13	11.07	11.16	11.39	11.07	11.30		
5	QPSK	25	0	11.04	11.11	11.35	11.06	11.35		
5	16QAM	1	0	11.08	11.10	11.36	11.06	11.31	12	0
5	16QAM	1	12	11.05	11.12	11.32	11.06	11.30		
5	16QAM	1	24	11.11	11.07	11.33	11.09	11.29		
5	16QAM	12	0	11.02	11.12	11.37	11.09	11.29	12	0
5	16QAM	12	7	11.07	11.12	11.31	11.10	11.32		
5	16QAM	12	13	11.06	11.09	11.38	11.08	11.30		
5	16QAM	25	0	11.01	11.09	11.34	11.11	11.30		
5	64QAM	1	0	11.03	11.14	11.37	11.11	11.28	12	0
5	64QAM	1	12	11.05	11.07	11.36	11.09	11.28		
5	64QAM	1	24	11.06	11.09	11.32	11.15	11.29		
5	64QAM	12	0	11.07	11.14	11.35	11.09	11.28	12	0
5	64QAM	12	7	11.01	11.12	11.37	11.08	11.34		
5	64QAM	12	13	11.08	11.13	11.36	11.06	11.31		
5	64QAM	25	0	11.06	11.10	11.34	11.09	11.28		

Band 41 HPUE ECI7

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	13.68	13.84	13.98	13.73	13.71	15	0
20	QPSK	1	49	13.69	13.84	13.84	13.72	13.69		
20	QPSK	1	99	13.73	13.82	13.89	13.73	13.71		
20	QPSK	50	0	13.73	13.85	13.86	13.76	13.68	15	0
20	QPSK	50	24	13.73	13.82	13.82	13.73	13.70		
20	QPSK	50	50	13.71	13.82	13.82	13.73	13.70		
20	QPSK	100	0	13.76	13.84	13.90	13.72	13.72		
20	16QAM	1	0	13.77	13.80	13.87	13.74	13.74	15	0
20	16QAM	1	49	13.72	13.81	13.81	13.72	13.74		
20	16QAM	1	99	13.76	13.81	13.83	13.68	13.74		
20	16QAM	50	0	13.71	13.81	13.81	13.74	13.70	15	0
20	16QAM	50	24	13.72	13.83	13.86	13.72	13.71		
20	16QAM	50	50	13.75	13.82	13.80	13.72	13.70		
20	16QAM	100	0	13.71	13.77	13.86	13.73	13.71		
20	64QAM	1	0	13.77	13.82	13.81	13.74	13.73	15	0
20	64QAM	1	49	13.72	13.80	13.85	13.71	13.68		
20	64QAM	1	99	13.75	13.78	13.89	13.67	13.71		
20	64QAM	50	0	13.74	13.88	13.83	13.76	13.73	15	0
20	64QAM	50	24	13.76	13.85	13.86	13.68	13.70		
20	64QAM	50	50	13.76	13.85	13.91	13.73	13.67		
20	64QAM	100	0	13.69	13.78	13.87	13.75	13.68		
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	13.70	13.88	13.96	13.71	13.72	15	0
15	QPSK	1	37	13.72	13.85	13.85	13.67	13.68		
15	QPSK	1	74	13.74	13.86	13.85	13.72	13.71		
15	QPSK	36	0	13.73	13.82	13.90	13.72	13.66	15	0
15	QPSK	36	20	13.71	13.78	13.82	13.73	13.68		
15	QPSK	36	39	13.71	13.84	13.86	13.70	13.74		
15	QPSK	75	0	13.79	13.88	13.90	13.76	13.68		
15	16QAM	1	0	13.72	13.82	13.83	13.76	13.71	15	0
15	16QAM	1	37	13.71	13.82	13.86	13.75	13.75		
15	16QAM	1	74	13.79	13.79	13.83	13.68	13.73		
15	16QAM	36	0	13.69	13.80	13.82	13.74	13.71	15	0
15	16QAM	36	20	13.72	13.87	13.90	13.69	13.70		
15	16QAM	36	39	13.75	13.87	13.80	13.72	13.74		
15	16QAM	75	0	13.74	13.82	13.87	13.72	13.75		
15	64QAM	1	0	13.76	13.85	13.85	13.73	13.70	15	0
15	64QAM	1	37	13.74	13.83	13.86	13.72	13.67		
15	64QAM	1	74	13.74	13.80	13.91	13.69	13.74		
15	64QAM	36	0	13.74	13.84	13.84	13.74	13.69	15	0
15	64QAM	36	20	13.75	13.85	13.88	13.70	13.71		
15	64QAM	36	39	13.74	13.83	13.88	13.69	13.67		
15	64QAM	75	0	13.69	13.83	13.89	13.71	13.70		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	13.68	13.89	13.94	13.68	13.67	15	0
10	QPSK	1	25	13.67	13.85	13.83	13.68	13.68		
10	QPSK	1	49	13.72	13.82	13.88	13.72	13.71		
10	QPSK	25	0	13.72	13.82	13.90	13.76	13.68	15	0
10	QPSK	25	12	13.74	13.80	13.88	13.74	13.72		
10	QPSK	25	25	13.70	13.82	13.83	13.74	13.71		
10	QPSK	50	0	13.77	13.88	13.88	13.72	13.69		
10	16QAM	1	0	13.72	13.82	13.85	13.72	13.72	15	0
10	16QAM	1	25	13.68	13.80	13.86	13.70	13.72		
10	16QAM	1	49	13.79	13.83	13.88	13.69	13.72		
10	16QAM	25	0	13.74	13.84	13.85	13.70	13.74	15	0
10	16QAM	25	12	13.72	13.87	13.86	13.71	13.73		
10	16QAM	25	25	13.74	13.86	13.85	13.74	13.71		
10	16QAM	50	0	13.74	13.83	13.89	13.69	13.74		
10	64QAM	1	0	13.73	13.85	13.83	13.77	13.71	15	0
10	64QAM	1	25	13.73	13.79	13.87	13.72	13.69		
10	64QAM	1	49	13.76	13.82	13.87	13.69	13.72		
10	64QAM	25	0	13.75	13.86	13.86	13.75	13.70	15	0
10	64QAM	25	12	13.76	13.87	13.87	13.72	13.72		
10	64QAM	25	25	13.73	13.84	13.90	13.74	13.68		
10	64QAM	50	0	13.73	13.78	13.87	13.74	13.71		
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	13.68	13.84	13.92	13.72	13.70	15	0
5	QPSK	1	12	13.67	13.86	13.82	13.70	13.67		
5	QPSK	1	24	13.73	13.85	13.87	13.71	13.71		
5	QPSK	12	0	13.71	13.85	13.87	13.74	13.71	15	0
5	QPSK	12	7	13.74	13.80	13.86	13.73	13.68		
5	QPSK	12	13	13.75	13.85	13.82	13.70	13.70		
5	QPSK	25	0	13.76	13.87	13.87	13.72	13.70		
5	16QAM	1	0	13.78	13.81	13.89	13.77	13.73	15	0
5	16QAM	1	12	13.69	13.78	13.86	13.73	13.73		
5	16QAM	1	24	13.75	13.84	13.87	13.67	13.69		
5	16QAM	12	0	13.70	13.80	13.85	13.74	13.70	15	0
5	16QAM	12	7	13.74	13.86	13.89	13.71	13.69		
5	16QAM	12	13	13.76	13.83	13.81	13.72	13.68		
5	16QAM	25	0	13.75	13.78	13.86	13.69	13.69		
5	64QAM	1	0	13.73	13.84	13.84	13.76	13.74	15	0
5	64QAM	1	12	13.74	13.80	13.86	13.74	13.68		
5	64QAM	1	24	13.74	13.82	13.87	13.68	13.72		
5	64QAM	12	0	13.73	13.83	13.84	13.71	13.70	15	0
5	64QAM	12	7	13.73	13.87	13.83	13.69	13.72		
5	64QAM	12	13	13.77	13.87	13.86	13.71	13.70		
5	64QAM	25	0	13.72	13.83	13.88	13.72	13.71		

Default Power for WWAN Other PA

Band 2 Ant0 NSA Default

BW [MHz]	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)				1860	1880	1900		
20	QPSK	1	0	22.33	22.46	22.23	23	0
20	QPSK	1	49	22.23	22.32	22.15		
20	QPSK	1	99	22.15	22.26	22.15		
20	QPSK	50	0	21.30	21.39	21.18	22	1
20	QPSK	50	24	21.13	21.38	21.20		
20	QPSK	50	50	21.08	21.18	21.17		
20	QPSK	100	0	21.00	21.17	21.10		
20	16QAM	1	0	21.08	21.13	20.92	22	1
20	16QAM	1	49	20.99	21.01	20.91		
20	16QAM	1	99	21.01	21.12	20.83		
20	16QAM	50	0	20.29	20.43	20.22	21	2
20	16QAM	50	24	20.22	20.36	20.14		
20	16QAM	50	50	20.18	20.26	20.17		
20	16QAM	100	0	20.09	20.23	20.11		
20	64QAM	1	0	20.14	20.38	20.29	21	2
20	64QAM	1	49	20.13	20.28	20.19		
20	64QAM	1	99	20.22	20.23	20.14		
20	64QAM	50	0	19.33	19.21	19.07	20	3
20	64QAM	50	24	19.05	19.26	19.18		
20	64QAM	50	50	19.14	19.21	19.20		
20	64QAM	100	0	19.14	19.20	19.15		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.22	22.23	22.16	23	0
15	QPSK	1	37	22.11	22.23	22.03		
15	QPSK	1	74	22.02	22.16	22.06		
15	QPSK	36	0	21.19	21.27	21.08	22	1
15	QPSK	36	20	21.01	21.27	21.09		
15	QPSK	36	39	20.97	21.09	21.09		
15	QPSK	75	0	20.87	21.04	20.99		
15	16QAM	1	0	21.00	21.05	20.80	22	1
15	16QAM	1	37	20.90	20.89	20.81		
15	16QAM	1	74	20.90	21.01	20.71		
15	16QAM	36	0	20.19	20.35	20.10	21	2
15	16QAM	36	20	20.12	20.25	20.02		
15	16QAM	36	39	20.08	20.14	20.05		
15	16QAM	75	0	19.98	20.14	19.99		
15	64QAM	1	0	20.06	20.26	20.21	21	2
15	64QAM	1	37	20.05	20.18	20.10		
15	64QAM	1	74	20.13	20.16	20.06		
15	64QAM	36	0	19.21	19.09	18.97	20	3
15	64QAM	36	20	18.96	19.14	19.07		
15	64QAM	36	39	19.02	19.09	19.07		
15	64QAM	75	0	19.07	19.09	19.08		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.24	22.25	22.11	23	0
10	QPSK	1	25	22.16	22.20	22.07		
10	QPSK	1	49	22.05	22.16	22.06		
10	QPSK	25	0	21.20	21.31	21.06	22	1
10	QPSK	25	12	21.01	21.26	21.08		
10	QPSK	25	25	21.00	21.07	21.09		
10	QPSK	50	0	20.88	21.10	21.00		
10	16QAM	1	0	20.96	21.03	20.80	22	1
10	16QAM	1	25	20.87	20.91	20.83		
10	16QAM	1	49	20.88	21.01	20.71		
10	16QAM	25	0	20.21	20.35	20.14	21	2
10	16QAM	25	12	20.11	20.24	20.04		
10	16QAM	25	25	20.05	20.17	20.06		
10	16QAM	50	0	19.98	20.14	20.01		
10	64QAM	1	0	20.05	20.27	20.17	21	2
10	64QAM	1	25	20.02	20.19	20.09		
10	64QAM	1	49	20.09	20.10	20.05		
10	64QAM	25	0	19.20	19.11	18.95	20	3
10	64QAM	25	12	18.93	19.17	19.05		
10	64QAM	25	25	19.03	19.09	19.10		
10	64QAM	50	0	19.03	19.08	19.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.25	22.23	22.12	23	0
5	QPSK	1	12	22.10	22.25	22.07		
5	QPSK	1	24	22.06	22.19	22.06		
5	QPSK	12	0	21.23	21.30	21.06	22	1
5	QPSK	12	7	21.04	21.31	21.12		
5	QPSK	12	13	20.98	21.10	21.06		
5	QPSK	25	0	20.88	21.07	20.98		
5	16QAM	1	0	20.98	21.01	20.83	22	1
5	16QAM	1	12	20.89	20.91	20.81		
5	16QAM	1	24	20.92	21.02	20.72		
5	16QAM	12	0	20.16	20.33	20.11	21	2
5	16QAM	12	7	20.14	20.27	20.06		
5	16QAM	12	13	20.08	20.13	20.08		
5	16QAM	25	0	19.96	20.12	19.98		
5	64QAM	1	0	20.01	20.26	20.19	21	2
5	64QAM	1	12	20.02	20.19	20.12		
5	64QAM	1	24	20.11	20.11	20.07		
5	64QAM	12	0	19.26	19.09	18.94	20	3
5	64QAM	12	7	18.93	19.15	19.10		
5	64QAM	12	13	19.03	19.09	19.07		
5	64QAM	25	0	19.01	19.12	19.05		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.23	22.25	22.12	23	0
3	QPSK	1	8	22.12	22.19	22.03		
3	QPSK	1	14	22.03	22.14	22.04		
3	QPSK	8	0	21.22	21.28	21.05	22	1
3	QPSK	8	4	21.01	21.28	21.07		
3	QPSK	8	7	20.98	21.08	21.09		
3	QPSK	15	0	20.91	21.06	21.02		
3	16QAM	1	0	20.97	21.00	20.85	22	1
3	16QAM	1	8	20.87	20.92	20.79		
3	16QAM	1	14	20.90	21.03	20.75		
3	16QAM	8	0	20.21	20.31	20.10	21	2
3	16QAM	8	4	20.09	20.26	20.01		
3	16QAM	8	7	20.06	20.18	20.06		
3	16QAM	15	0	19.98	20.14	19.99		
3	64QAM	1	0	20.04	20.30	20.22	21	2
3	64QAM	1	8	20.01	20.15	20.08		
3	64QAM	1	14	20.10	20.12	20.01		
3	64QAM	8	0	19.20	19.13	18.99	20	3
3	64QAM	8	4	18.98	19.15	19.10		
3	64QAM	8	7	19.02	19.08	19.12		
3	64QAM	15	0	19.05	19.12	19.04		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.23	22.26	22.16	23	0
1.4	QPSK	1	3	22.11	22.22	22.04		
1.4	QPSK	1	5	22.05	22.14	22.03		
1.4	QPSK	3	0	21.20	21.31	21.07		
1.4	QPSK	3	1	21.02	21.31	21.11		
1.4	QPSK	3	3	21.05	21.08	21.05		
1.4	QPSK	6	0	20.88	21.08	20.98	22	1
1.4	16QAM	1	0	21.00	21.01	20.81	22	1
1.4	16QAM	1	3	20.91	20.90	20.80		
1.4	16QAM	1	5	20.94	21.02	20.75		
1.4	16QAM	3	0	20.17	20.31	20.10		
1.4	16QAM	3	1	20.14	20.29	20.02		
1.4	16QAM	3	3	20.08	20.13	20.08		
1.4	16QAM	6	0	19.99	20.12	20.00	21	2
1.4	64QAM	1	0	20.03	20.28	20.16	21	2
1.4	64QAM	1	3	20.05	20.18	20.10		
1.4	64QAM	1	5	20.13	20.13	20.04		
1.4	64QAM	3	0	19.24	19.12	19.11		
1.4	64QAM	3	1	19.05	19.16	19.09		
1.4	64QAM	3	3	19.05	19.12	19.13		
1.4	64QAM	6	0	19.02	19.11	19.04	20	3

Band 4 Ant0 NSA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.11	22.35	22.19	23	0
20	QPSK	1	49	21.93	22.12	21.96		
20	QPSK	1	99	22.01	22.12	21.96		
20	QPSK	50	0	21.18	21.27	20.97	22	1
20	QPSK	50	24	21.04	21.14	21.05		
20	QPSK	50	50	21.01	21.05	20.98		
20	QPSK	100	0	20.77	20.92	20.88		
20	16QAM	1	0	20.82	20.84	20.80	22	1
20	16QAM	1	49	20.82	20.84	20.80		
20	16QAM	1	99	20.71	20.83	20.61		
20	16QAM	50	0	20.17	20.19	20.04	21	2
20	16QAM	50	24	19.90	20.09	19.80		
20	16QAM	50	50	20.03	20.15	19.97		
20	16QAM	100	0	19.80	20.08	19.83		
20	64QAM	1	0	19.92	20.12	20.13	21	2
20	64QAM	1	49	19.91	20.18	19.88		
20	64QAM	1	99	20.14	20.04	20.05		
20	64QAM	50	0	19.08	19.00	18.88	20	3
20	64QAM	50	24	18.72	19.07	18.83		
20	64QAM	50	50	19.02	18.95	18.96		
20	64QAM	100	0	19.03	18.97	19.03		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.17	22.29	22.28	23	0
15	QPSK	1	37	21.99	22.19	22.08		
15	QPSK	1	74	22.11	22.22	22.07		
15	QPSK	36	0	21.27	21.38	21.08	22	1
15	QPSK	36	20	21.12	21.24	21.16		
15	QPSK	36	39	21.15	21.12	21.09		
15	QPSK	75	0	20.85	21.00	20.99		
15	16QAM	1	0	20.94	20.95	20.90	22	1
15	16QAM	1	37	20.96	20.97	20.87		
15	16QAM	1	74	20.82	20.94	20.69		
15	16QAM	36	0	20.26	20.31	20.16	21	2
15	16QAM	36	20	19.98	20.17	19.91		
15	16QAM	36	39	20.14	20.26	20.07		
15	16QAM	75	0	19.91	20.17	19.95		
15	64QAM	1	0	20.03	20.20	20.21	21	2
15	64QAM	1	37	20.03	20.27	20.01		
15	64QAM	1	74	20.20	20.19	20.13		
15	64QAM	36	0	19.14	19.14	18.97	20	3
15	64QAM	36	20	18.83	19.20	18.96		
15	64QAM	36	39	19.10	19.02	19.04		
15	64QAM	75	0	19.09	19.09	19.12		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.21	22.33	22.24	23	0
10	QPSK	1	25	22.00	22.22	22.08		
10	QPSK	1	49	22.10	22.23	22.08		
10	QPSK	25	0	21.26	21.36	21.11	22	1
10	QPSK	25	12	21.13	21.27	21.15		
10	QPSK	25	25	21.10	21.14	21.08		
10	QPSK	50	0	20.90	21.04	20.96		
10	16QAM	1	0	20.94	20.95	20.88	22	1
10	16QAM	1	25	20.92	20.96	20.90		
10	16QAM	1	49	20.80	20.95	20.70		
10	16QAM	25	0	20.29	20.31	20.16	21	2
10	16QAM	25	12	20.02	20.19	19.93		
10	16QAM	25	25	20.13	20.30	20.04		
10	16QAM	50	0	19.89	20.14	19.93		
10	64QAM	1	0	20.05	20.19	20.23	21	2
10	64QAM	1	25	19.99	20.32	19.98		
10	64QAM	1	49	20.23	20.13	20.15		
10	64QAM	25	0	19.18	19.11	18.98	20	3
10	64QAM	25	12	18.88	19.19	18.98		
10	64QAM	25	25	19.10	19.01	19.03		
10	64QAM	50	0	19.10	19.09	19.14		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.22	22.33	22.27	23	0
5	QPSK	1	12	22.02	22.18	22.05		
5	QPSK	1	24	22.11	22.22	22.02		
5	QPSK	12	0	21.28	21.34	21.05	22	1
5	QPSK	12	7	21.10	21.26	21.13		
5	QPSK	12	13	21.13	21.12	21.13		
5	QPSK	25	0	20.89	21.02	20.99		
5	16QAM	1	0	20.93	20.99	20.89	22	1
5	16QAM	1	12	20.94	20.99	20.86		
5	16QAM	1	24	20.81	20.94	20.68		
5	16QAM	12	0	20.29	20.31	20.12	21	2
5	16QAM	12	7	20.00	20.18	19.94		
5	16QAM	12	13	20.14	20.27	20.02		
5	16QAM	25	0	19.90	20.18	19.92		
5	64QAM	1	0	20.03	20.22	20.21	21	2
5	64QAM	1	12	20.02	20.30	19.98		
5	64QAM	1	24	20.25	20.13	20.13		
5	64QAM	12	0	19.18	19.14	18.99	20	3
5	64QAM	12	7	18.86	19.23	18.96		
5	64QAM	12	13	19.12	19.04	19.04		
5	64QAM	25	0	19.09	19.09	19.15		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.22	22.32	22.28	23	0
3	QPSK	1	8	21.99	22.21	22.03		
3	QPSK	1	14	22.08	22.22	22.03		
3	QPSK	8	0	21.29	21.35	21.05	22	1
3	QPSK	8	4	21.11	21.28	21.17		
3	QPSK	8	7	21.09	21.15	21.11		
3	QPSK	15	0	20.87	21.03	20.96		
3	16QAM	1	0	20.93	20.98	20.89	22	1
3	16QAM	1	8	20.96	20.99	20.87		
3	16QAM	1	14	20.84	20.98	20.70		
3	16QAM	8	0	20.29	20.27	20.11	21	2
3	16QAM	8	4	20.00	20.20	19.92		
3	16QAM	8	7	20.11	20.28	20.05		
3	16QAM	15	0	19.86	20.15	19.92		
3	64QAM	1	0	20.06	20.22	20.24	21	2
3	64QAM	1	8	19.99	20.28	19.99		
3	64QAM	1	14	20.23	20.18	20.13		
3	64QAM	8	0	19.19	19.10	18.96	20	3
3	64QAM	8	4	18.84	19.19	18.95		
3	64QAM	8	7	19.11	19.05	19.00		
3	64QAM	15	0	19.10	19.08	19.14		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.19	22.30	22.25	23	0
1.4	QPSK	1	3	22.03	22.22	22.07		
1.4	QPSK	1	5	22.10	22.26	22.08		
1.4	QPSK	3	0	21.27	21.33	21.10		
1.4	QPSK	3	1	21.14	21.26	21.15		
1.4	QPSK	3	3	21.13	21.15	21.10		
1.4	QPSK	6	0	20.90	21.03	20.96	22	1
1.4	16QAM	1	0	20.90	20.97	20.91	22	1
1.4	16QAM	1	3	20.97	20.94	20.87		
1.4	16QAM	1	5	20.81	20.93	20.71		
1.4	16QAM	3	0	20.29	20.28	20.14		
1.4	16QAM	3	1	20.02	20.19	20.15		
1.4	16QAM	3	3	20.15	20.26	20.07		
1.4	16QAM	6	0	19.86	20.15	19.92	21	2
1.4	64QAM	1	0	20.07	20.20	20.21	21	2
1.4	64QAM	1	3	19.99	20.28	20.00		
1.4	64QAM	1	5	20.19	20.15	20.15		
1.4	64QAM	3	0	19.17	19.09	19.02		
1.4	64QAM	3	1	19.04	19.19	19.03		
1.4	64QAM	3	3	19.09	19.01	19.06		
1.4	64QAM	6	0	19.10	19.07	19.16	20	3

ECI2 Power for WWAN Other PA

Band 2 Ant0 NSA Default

BW [MHz]	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)				1860	1880	1900		
20	QPSK	1	0	22.33	22.46	22.23	23	0
20	QPSK	1	49	22.23	22.32	22.15		
20	QPSK	1	99	22.15	22.26	22.15		
20	QPSK	50	0	21.30	21.39	21.18	22	1
20	QPSK	50	24	21.13	21.38	21.20		
20	QPSK	50	50	21.08	21.18	21.17		
20	QPSK	100	0	21.00	21.17	21.10		
20	16QAM	1	0	21.08	21.13	20.92	22	1
20	16QAM	1	49	20.99	21.01	20.91		
20	16QAM	1	99	21.01	21.12	20.83		
20	16QAM	50	0	20.29	20.43	20.22	21	2
20	16QAM	50	24	20.22	20.36	20.14		
20	16QAM	50	50	20.18	20.26	20.17		
20	16QAM	100	0	20.09	20.23	20.11		
20	64QAM	1	0	20.14	20.38	20.29	21	2
20	64QAM	1	49	20.13	20.28	20.19		
20	64QAM	1	99	20.22	20.23	20.14		
20	64QAM	50	0	19.33	19.21	19.07	20	3
20	64QAM	50	24	19.05	19.26	19.18		
20	64QAM	50	50	19.14	19.21	19.20		
20	64QAM	100	0	19.14	19.20	19.15		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.22	22.23	22.16	23	0
15	QPSK	1	37	22.11	22.23	22.03		
15	QPSK	1	74	22.02	22.16	22.06		
15	QPSK	36	0	21.19	21.27	21.08	22	1
15	QPSK	36	20	21.01	21.27	21.09		
15	QPSK	36	39	20.97	21.09	21.09		
15	QPSK	75	0	20.87	21.04	20.99		
15	16QAM	1	0	21.00	21.05	20.80	22	1
15	16QAM	1	37	20.90	20.89	20.81		
15	16QAM	1	74	20.90	21.01	20.71		
15	16QAM	36	0	20.19	20.35	20.10	21	2
15	16QAM	36	20	20.12	20.25	20.02		
15	16QAM	36	39	20.08	20.14	20.05		
15	16QAM	75	0	19.98	20.14	19.99		
15	64QAM	1	0	20.06	20.26	20.21	21	2
15	64QAM	1	37	20.05	20.18	20.10		
15	64QAM	1	74	20.13	20.16	20.06		
15	64QAM	36	0	19.21	19.09	18.97	20	3
15	64QAM	36	20	18.96	19.14	19.07		
15	64QAM	36	39	19.02	19.09	19.07		
15	64QAM	75	0	19.07	19.09	19.08		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.24	22.25	22.11	23	0
10	QPSK	1	25	22.16	22.20	22.07		
10	QPSK	1	49	22.05	22.16	22.06		
10	QPSK	25	0	21.20	21.31	21.06	22	1
10	QPSK	25	12	21.01	21.26	21.08		
10	QPSK	25	25	21.00	21.07	21.09		
10	QPSK	50	0	20.88	21.10	21.00		
10	16QAM	1	0	20.96	21.03	20.80	22	1
10	16QAM	1	25	20.87	20.91	20.83		
10	16QAM	1	49	20.88	21.01	20.71		
10	16QAM	25	0	20.21	20.35	20.14	21	2
10	16QAM	25	12	20.11	20.24	20.04		
10	16QAM	25	25	20.05	20.17	20.06		
10	16QAM	50	0	19.98	20.14	20.01		
10	64QAM	1	0	20.05	20.27	20.17	21	2
10	64QAM	1	25	20.02	20.19	20.09		
10	64QAM	1	49	20.09	20.10	20.05		
10	64QAM	25	0	19.20	19.11	18.95	20	3
10	64QAM	25	12	18.93	19.17	19.05		
10	64QAM	25	25	19.03	19.09	19.10		
10	64QAM	50	0	19.03	19.08	19.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.25	22.23	22.12	23	0
5	QPSK	1	12	22.10	22.25	22.07		
5	QPSK	1	24	22.06	22.19	22.06		
5	QPSK	12	0	21.23	21.30	21.06	22	1
5	QPSK	12	7	21.04	21.31	21.12		
5	QPSK	12	13	20.98	21.10	21.06		
5	QPSK	25	0	20.88	21.07	20.98		
5	16QAM	1	0	20.98	21.01	20.83	22	1
5	16QAM	1	12	20.89	20.91	20.81		
5	16QAM	1	24	20.92	21.02	20.72		
5	16QAM	12	0	20.16	20.33	20.11	21	2
5	16QAM	12	7	20.14	20.27	20.06		
5	16QAM	12	13	20.08	20.13	20.08		
5	16QAM	25	0	19.96	20.12	19.98		
5	64QAM	1	0	20.01	20.26	20.19	21	2
5	64QAM	1	12	20.02	20.19	20.12		
5	64QAM	1	24	20.11	20.11	20.07		
5	64QAM	12	0	19.26	19.09	18.94	20	3
5	64QAM	12	7	18.93	19.15	19.10		
5	64QAM	12	13	19.03	19.09	19.07		
5	64QAM	25	0	19.01	19.12	19.05		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.23	22.25	22.12	23	0
3	QPSK	1	8	22.12	22.19	22.03		
3	QPSK	1	14	22.03	22.14	22.04		
3	QPSK	8	0	21.22	21.28	21.05	22	1
3	QPSK	8	4	21.01	21.28	21.07		
3	QPSK	8	7	20.98	21.08	21.09		
3	QPSK	15	0	20.91	21.06	21.02		
3	16QAM	1	0	20.97	21.00	20.85	22	1
3	16QAM	1	8	20.87	20.92	20.79		
3	16QAM	1	14	20.90	21.03	20.75		
3	16QAM	8	0	20.21	20.31	20.10	21	2
3	16QAM	8	4	20.09	20.26	20.01		
3	16QAM	8	7	20.06	20.18	20.06		
3	16QAM	15	0	19.98	20.14	19.99		
3	64QAM	1	0	20.04	20.30	20.22	21	2
3	64QAM	1	8	20.01	20.15	20.08		
3	64QAM	1	14	20.10	20.12	20.01		
3	64QAM	8	0	19.20	19.13	18.99	20	3
3	64QAM	8	4	18.98	19.15	19.10		
3	64QAM	8	7	19.02	19.08	19.12		
3	64QAM	15	0	19.05	19.12	19.04		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.23	22.26	22.16	23	0
1.4	QPSK	1	3	22.11	22.22	22.04		
1.4	QPSK	1	5	22.05	22.14	22.03		
1.4	QPSK	3	0	21.20	21.31	21.07		
1.4	QPSK	3	1	21.02	21.31	21.11		
1.4	QPSK	3	3	21.05	21.08	21.05		
1.4	QPSK	6	0	20.88	21.08	20.98	22	1
1.4	16QAM	1	0	21.00	21.01	20.81	22	1
1.4	16QAM	1	3	20.91	20.90	20.80		
1.4	16QAM	1	5	20.94	21.02	20.75		
1.4	16QAM	3	0	20.17	20.31	20.10		
1.4	16QAM	3	1	20.14	20.29	20.02		
1.4	16QAM	3	3	20.08	20.13	20.08		
1.4	16QAM	6	0	19.99	20.12	20.00	21	2
1.4	64QAM	1	0	20.03	20.28	20.16	21	2
1.4	64QAM	1	3	20.05	20.18	20.10		
1.4	64QAM	1	5	20.13	20.13	20.04		
1.4	64QAM	3	0	19.24	19.12	19.11		
1.4	64QAM	3	1	19.05	19.16	19.09		
1.4	64QAM	3	3	19.05	19.12	19.13		
1.4	64QAM	6	0	19.02	19.11	19.04	20	3

Band 4 Ant0 NSA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.11	22.35	22.19	23	0
20	QPSK	1	49	21.93	22.12	21.96		
20	QPSK	1	99	22.01	22.12	21.96		
20	QPSK	50	0	21.18	21.27	20.97	22	1
20	QPSK	50	24	21.04	21.14	21.05		
20	QPSK	50	50	21.01	21.05	20.98		
20	QPSK	100	0	20.77	20.92	20.88		
20	16QAM	1	0	20.82	20.84	20.80	22	1
20	16QAM	1	49	20.82	20.84	20.80		
20	16QAM	1	99	20.71	20.83	20.61		
20	16QAM	50	0	20.17	20.19	20.04	21	2
20	16QAM	50	24	19.90	20.09	19.80		
20	16QAM	50	50	20.03	20.15	19.97		
20	16QAM	100	0	19.80	20.08	19.83		
20	64QAM	1	0	19.92	20.12	20.13	21	2
20	64QAM	1	49	19.91	20.18	19.88		
20	64QAM	1	99	20.14	20.04	20.05		
20	64QAM	50	0	19.08	19.00	18.88	20	3
20	64QAM	50	24	18.72	19.07	18.83		
20	64QAM	50	50	19.02	18.95	18.96		
20	64QAM	100	0	19.03	18.97	19.03		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.17	22.29	22.28	23	0
15	QPSK	1	37	21.99	22.19	22.08		
15	QPSK	1	74	22.11	22.22	22.07		
15	QPSK	36	0	21.27	21.38	21.08	22	1
15	QPSK	36	20	21.12	21.24	21.16		
15	QPSK	36	39	21.15	21.12	21.09		
15	QPSK	75	0	20.85	21.00	20.99		
15	16QAM	1	0	20.94	20.95	20.90	22	1
15	16QAM	1	37	20.96	20.97	20.87		
15	16QAM	1	74	20.82	20.94	20.69		
15	16QAM	36	0	20.26	20.31	20.16	21	2
15	16QAM	36	20	19.98	20.17	19.91		
15	16QAM	36	39	20.14	20.26	20.07		
15	16QAM	75	0	19.91	20.17	19.95		
15	64QAM	1	0	20.03	20.20	20.21	21	2
15	64QAM	1	37	20.03	20.27	20.01		
15	64QAM	1	74	20.20	20.19	20.13		
15	64QAM	36	0	19.14	19.14	18.97	20	3
15	64QAM	36	20	18.83	19.20	18.96		
15	64QAM	36	39	19.10	19.02	19.04		
15	64QAM	75	0	19.09	19.09	19.12		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.21	22.33	22.24	23	0
10	QPSK	1	25	22.00	22.22	22.08		
10	QPSK	1	49	22.10	22.23	22.08		
10	QPSK	25	0	21.26	21.36	21.11	22	1
10	QPSK	25	12	21.13	21.27	21.15		
10	QPSK	25	25	21.10	21.14	21.08		
10	QPSK	50	0	20.90	21.04	20.96		
10	16QAM	1	0	20.94	20.95	20.88	22	1
10	16QAM	1	25	20.92	20.96	20.90		
10	16QAM	1	49	20.80	20.95	20.70		
10	16QAM	25	0	20.29	20.31	20.16	21	2
10	16QAM	25	12	20.02	20.19	19.93		
10	16QAM	25	25	20.13	20.30	20.04		
10	16QAM	50	0	19.89	20.14	19.93		
10	64QAM	1	0	20.05	20.19	20.23	21	2
10	64QAM	1	25	19.99	20.32	19.98		
10	64QAM	1	49	20.23	20.13	20.15		
10	64QAM	25	0	19.18	19.11	18.98	20	3
10	64QAM	25	12	18.88	19.19	18.98		
10	64QAM	25	25	19.10	19.01	19.03		
10	64QAM	50	0	19.10	19.09	19.14		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.22	22.33	22.27	23	0
5	QPSK	1	12	22.02	22.18	22.05		
5	QPSK	1	24	22.11	22.22	22.02		
5	QPSK	12	0	21.28	21.34	21.05	22	1
5	QPSK	12	7	21.10	21.26	21.13		
5	QPSK	12	13	21.13	21.12	21.13		
5	QPSK	25	0	20.89	21.02	20.99		
5	16QAM	1	0	20.93	20.99	20.89	22	1
5	16QAM	1	12	20.94	20.99	20.86		
5	16QAM	1	24	20.81	20.94	20.68		
5	16QAM	12	0	20.29	20.31	20.12	21	2
5	16QAM	12	7	20.00	20.18	19.94		
5	16QAM	12	13	20.14	20.27	20.02		
5	16QAM	25	0	19.90	20.18	19.92		
5	64QAM	1	0	20.03	20.22	20.21	21	2
5	64QAM	1	12	20.02	20.30	19.98		
5	64QAM	1	24	20.25	20.13	20.13		
5	64QAM	12	0	19.18	19.14	18.99	20	3
5	64QAM	12	7	18.86	19.23	18.96		
5	64QAM	12	13	19.12	19.04	19.04		
5	64QAM	25	0	19.09	19.09	19.15		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.22	22.32	22.28	23	0
3	QPSK	1	8	21.99	22.21	22.03		
3	QPSK	1	14	22.08	22.22	22.03		
3	QPSK	8	0	21.29	21.35	21.05	22	1
3	QPSK	8	4	21.11	21.28	21.17		
3	QPSK	8	7	21.09	21.15	21.11		
3	QPSK	15	0	20.87	21.03	20.96		
3	16QAM	1	0	20.93	20.98	20.89	22	1
3	16QAM	1	8	20.96	20.99	20.87		
3	16QAM	1	14	20.84	20.98	20.70		
3	16QAM	8	0	20.29	20.27	20.11	21	2
3	16QAM	8	4	20.00	20.20	19.92		
3	16QAM	8	7	20.11	20.28	20.05		
3	16QAM	15	0	19.86	20.15	19.92		
3	64QAM	1	0	20.06	20.22	20.24	21	2
3	64QAM	1	8	19.99	20.28	19.99		
3	64QAM	1	14	20.23	20.18	20.13		
3	64QAM	8	0	19.19	19.10	18.96	20	3
3	64QAM	8	4	18.84	19.19	18.95		
3	64QAM	8	7	19.11	19.05	19.00		
3	64QAM	15	0	19.10	19.08	19.14		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.19	22.30	22.25	23	0
1.4	QPSK	1	3	22.03	22.22	22.07		
1.4	QPSK	1	5	22.10	22.26	22.08		
1.4	QPSK	3	0	21.27	21.33	21.10		
1.4	QPSK	3	1	21.14	21.26	21.15		
1.4	QPSK	3	3	21.13	21.15	21.10		
1.4	QPSK	6	0	20.90	21.03	20.96	22	1
1.4	16QAM	1	0	20.90	20.97	20.91	22	1
1.4	16QAM	1	3	20.97	20.94	20.87		
1.4	16QAM	1	5	20.81	20.93	20.71		
1.4	16QAM	3	0	20.29	20.28	20.14		
1.4	16QAM	3	1	20.02	20.19	20.15		
1.4	16QAM	3	3	20.15	20.26	20.07		
1.4	16QAM	6	0	19.86	20.15	19.92	21	2
1.4	64QAM	1	0	20.07	20.20	20.21	21	2
1.4	64QAM	1	3	19.99	20.28	20.00		
1.4	64QAM	1	5	20.19	20.15	20.15		
1.4	64QAM	3	0	19.17	19.09	19.02		
1.4	64QAM	3	1	19.04	19.19	19.03		
1.4	64QAM	3	3	19.09	19.01	19.06		
1.4	64QAM	6	0	19.10	19.07	19.16	20	3

ECI3 Power for WWAN Other PA

Band 2 Ant0 NSA 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.45	16.59	16.31	17	0
20	QPSK	1	49	16.43	16.57	16.34		
20	QPSK	1	99	16.40	16.54	16.34		
20	QPSK	50	0	16.40	16.57	16.33	17	0
20	QPSK	50	24	16.41	16.54	16.35		
20	QPSK	50	50	16.44	16.55	16.35		
20	QPSK	100	0	16.41	16.57	16.34		
20	16QAM	1	0	16.45	16.56	16.34	17	0
20	16QAM	1	49	16.44	16.54	16.30		
20	16QAM	1	99	16.45	16.55	16.34		
20	16QAM	50	0	16.44	16.58	16.31	17	0
20	16QAM	50	24	16.42	16.55	16.35		
20	16QAM	50	50	16.40	16.57	16.35		
20	16QAM	100	0	16.42	16.54	16.32		
20	64QAM	1	0	16.44	16.58	16.30	17	0
20	64QAM	1	49	16.45	16.57	16.36		
20	64QAM	1	99	16.46	16.54	16.33		
20	64QAM	50	0	16.40	16.55	16.34	17	0
20	64QAM	50	24	16.41	16.56	16.35		
20	64QAM	50	50	16.46	16.54	16.31		
20	64QAM	100	0	16.42	16.56	16.35		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.35	16.45	16.26	17	0
15	QPSK	1	37	16.35	16.45	16.23		
15	QPSK	1	74	16.35	16.48	16.22		
15	QPSK	36	0	16.32	16.45	16.25	17	0
15	QPSK	36	20	16.31	16.44	16.26		
15	QPSK	36	39	16.36	16.43	16.21		
15	QPSK	75	0	16.31	16.43	16.21		
15	16QAM	1	0	16.31	16.44	16.21	17	0
15	16QAM	1	37	16.31	16.46	16.23		
15	16QAM	1	74	16.32	16.49	16.25		
15	16QAM	36	0	16.35	16.48	16.25	17	0
15	16QAM	36	20	16.36	16.48	16.23		
15	16QAM	36	39	16.32	16.46	16.25		
15	16QAM	75	0	16.35	16.49	16.21		
15	64QAM	1	0	16.34	16.46	16.21	17	0
15	64QAM	1	37	16.30	16.47	16.23		
15	64QAM	1	74	16.32	16.46	16.25		
15	64QAM	36	0	16.33	16.49	16.25	17	0
15	64QAM	36	20	16.33	16.46	16.22		
15	64QAM	36	39	16.31	16.48	16.24		
15	64QAM	75	0	16.33	16.46	16.26		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.32	16.48	16.21	17	0
10	QPSK	1	25	16.31	16.43	16.20		
10	QPSK	1	49	16.32	16.43	16.26		
10	QPSK	25	0	16.32	16.47	16.22	17	0
10	QPSK	25	12	16.33	16.48	16.26		
10	QPSK	25	25	16.36	16.47	16.22		
10	QPSK	50	0	16.33	16.46	16.25		
10	16QAM	1	0	16.35	16.49	16.24	17	0
10	16QAM	1	25	16.35	16.49	16.24		
10	16QAM	1	49	16.30	16.47	16.24		
10	16QAM	25	0	16.31	16.45	16.24	17	0
10	16QAM	25	12	16.33	16.47	16.22		
10	16QAM	25	25	16.36	16.45	16.20		
10	16QAM	50	0	16.35	16.44	16.25		
10	64QAM	1	0	16.31	16.44	16.25	17	0
10	64QAM	1	25	16.32	16.47	16.22		
10	64QAM	1	49	16.36	16.45	16.23		
10	64QAM	25	0	16.33	16.46	16.21	17	0
10	64QAM	25	12	16.32	16.48	16.21		
10	64QAM	25	25	16.32	16.44	16.24		
10	64QAM	50	0	16.31	16.43	16.25		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.35	16.49	16.26	17	0
5	QPSK	1	12	16.32	16.49	16.24		
5	QPSK	1	24	16.34	16.47	16.21		
5	QPSK	12	0	16.36	16.48	16.26	17	0
5	QPSK	12	7	16.31	16.44	16.23		
5	QPSK	12	13	16.32	16.44	16.22		
5	QPSK	25	0	16.32	16.49	16.20		
5	16QAM	1	0	16.30	16.48	16.21	17	0
5	16QAM	1	12	16.32	16.46	16.21		
5	16QAM	1	24	16.34	16.47	16.25		
5	16QAM	12	0	16.33	16.44	16.20	17	0
5	16QAM	12	7	16.31	16.49	16.21		
5	16QAM	12	13	16.31	16.45	16.26		
5	16QAM	25	0	16.34	16.48	16.22		
5	64QAM	1	0	16.33	16.49	16.24	17	0
5	64QAM	1	12	16.32	16.49	16.24		
5	64QAM	1	24	16.34	16.48	16.24		
5	64QAM	12	0	16.33	16.43	16.25	17	0
5	64QAM	12	7	16.31	16.47	16.20		
5	64QAM	12	13	16.34	16.46	16.25		
5	64QAM	25	0	16.30	16.45	16.25		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.35	16.44	16.24	17	0
3	QPSK	1	8	16.34	16.44	16.20		
3	QPSK	1	14	16.31	16.45	16.20		
3	QPSK	8	0	16.32	16.47	16.23	17	0
3	QPSK	8	4	16.31	16.45	16.24		
3	QPSK	8	7	16.35	16.46	16.24		
3	QPSK	15	0	16.33	16.48	16.25		
3	16QAM	1	0	16.36	16.45	16.23	17	0
3	16QAM	1	8	16.36	16.44	16.26		
3	16QAM	1	14	16.35	16.44	16.24		
3	16QAM	8	0	16.36	16.46	16.23	17	0
3	16QAM	8	4	16.33	16.46	16.21		
3	16QAM	8	7	16.36	16.47	16.22		
3	16QAM	15	0	16.35	16.47	16.20		
3	64QAM	1	0	16.34	16.44	16.20	17	0
3	64QAM	1	8	16.32	16.48	16.24		
3	64QAM	1	14	16.32	16.46	16.24		
3	64QAM	8	0	16.34	16.44	16.25	17	0
3	64QAM	8	4	16.35	16.47	16.24		
3	64QAM	8	7	16.32	16.49	16.21		
3	64QAM	15	0	16.30	16.47	16.23		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.34	16.43	16.22	17	0
1.4	QPSK	1	3	16.31	16.44	16.25		
1.4	QPSK	1	5	16.34	16.45	16.25		
1.4	QPSK	3	0	16.35	16.45	16.23		
1.4	QPSK	3	1	16.36	16.45	16.26		
1.4	QPSK	3	3	16.32	16.45	16.24		
1.4	QPSK	6	0	16.31	16.47	16.23	17	0
1.4	16QAM	1	0	16.33	16.47	16.23	17	0
1.4	16QAM	1	3	16.35	16.49	16.25		
1.4	16QAM	1	5	16.32	16.48	16.26		
1.4	16QAM	3	0	16.35	16.48	16.24		
1.4	16QAM	3	1	16.32	16.45	16.24		
1.4	16QAM	3	3	16.36	16.44	16.25		
1.4	16QAM	6	0	16.33	16.48	16.25	17	0
1.4	64QAM	1	0	16.33	16.45	16.21	17	0
1.4	64QAM	1	3	16.33	16.49	16.21		
1.4	64QAM	1	5	16.34	16.43	16.21		
1.4	64QAM	3	0	16.32	16.49	16.26		
1.4	64QAM	3	1	16.35	16.45	16.22		
1.4	64QAM	3	3	16.35	16.46	16.26		
1.4	64QAM	6	0	16.33	16.47	16.24	17	0

Band 4 Ant0 NSA 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.64	17.95	17.71	18.5	0
20	QPSK	1	49	17.65	17.88	17.69		
20	QPSK	1	99	17.61	17.89	17.71		
20	QPSK	50	0	17.61	17.92	17.69	18.5	0
20	QPSK	50	24	17.63	17.91	17.69		
20	QPSK	50	50	17.62	17.90	17.72		
20	QPSK	100	0	17.66	17.89	17.72		
20	16QAM	1	0	17.60	17.92	17.70	18.5	0
20	16QAM	1	49	17.66	17.87	17.70		
20	16QAM	1	99	17.64	17.92	17.70		
20	16QAM	50	0	17.64	17.87	17.68	18.5	0
20	16QAM	50	24	17.62	17.87	17.70		
20	16QAM	50	50	17.64	17.88	17.69		
20	16QAM	100	0	17.63	17.91	17.73		
20	64QAM	1	0	17.65	17.91	17.69	18.5	0
20	64QAM	1	49	17.61	17.86	17.71		
20	64QAM	1	99	17.62	17.89	17.71		
20	64QAM	50	0	17.62	17.89	17.70	18.5	0
20	64QAM	50	24	17.61	17.87	17.73		
20	64QAM	50	50	17.65	17.89	17.67		
20	64QAM	100	0	17.61	17.87	17.69		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.50	17.79	17.62	18.5	0
15	QPSK	1	37	17.54	17.76	17.61		
15	QPSK	1	74	17.53	17.82	17.60		
15	QPSK	36	0	17.55	17.78	17.63	18.5	0
15	QPSK	36	20	17.54	17.76	17.61		
15	QPSK	36	39	17.53	17.80	17.61		
15	QPSK	75	0	17.55	17.78	17.60		
15	16QAM	1	0	17.55	17.80	17.60	18.5	0
15	16QAM	1	37	17.54	17.81	17.59		
15	16QAM	1	74	17.51	17.78	17.62		
15	16QAM	36	0	17.56	17.76	17.59	18.5	0
15	16QAM	36	20	17.52	17.80	17.60		
15	16QAM	36	39	17.52	17.81	17.58		
15	16QAM	75	0	17.55	17.80	17.58		
15	64QAM	1	0	17.54	17.78	17.60	18.5	0
15	64QAM	1	37	17.53	17.78	17.57		
15	64QAM	1	74	17.51	17.82	17.61		
15	64QAM	36	0	17.51	17.82	17.59	18.5	0
15	64QAM	36	20	17.53	17.78	17.57		
15	64QAM	36	39	17.54	17.77	17.61		
15	64QAM	75	0	17.52	17.79	17.60		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.50	17.79	17.62	18.5	0
10	QPSK	1	25	17.54	17.76	17.61		
10	QPSK	1	49	17.53	17.82	17.60		
10	QPSK	25	0	17.55	17.78	17.63	18.5	0
10	QPSK	25	12	17.54	17.76	17.61		
10	QPSK	25	25	17.53	17.80	17.61		
10	QPSK	50	0	17.55	17.78	17.60		
10	16QAM	1	0	17.55	17.80	17.60	18.5	0
10	16QAM	1	25	17.54	17.81	17.59		
10	16QAM	1	49	17.51	17.78	17.62		
10	16QAM	25	0	17.56	17.76	17.59	18.5	0
10	16QAM	25	12	17.52	17.80	17.60		
10	16QAM	25	25	17.52	17.81	17.58		
10	16QAM	50	0	17.55	17.80	17.58		
10	64QAM	1	0	17.54	17.78	17.60	18.5	0
10	64QAM	1	25	17.53	17.78	17.57		
10	64QAM	1	49	17.51	17.82	17.61		
10	64QAM	25	0	17.51	17.82	17.59	18.5	0
10	64QAM	25	12	17.53	17.78	17.57		
10	64QAM	25	25	17.54	17.77	17.61		
10	64QAM	50	0	17.52	17.79	17.60		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.50	17.79	17.62	18.5	0
5	QPSK	1	12	17.54	17.76	17.61		
5	QPSK	1	24	17.53	17.82	17.60		
5	QPSK	12	0	17.55	17.78	17.63	18.5	0
5	QPSK	12	7	17.54	17.76	17.61		
5	QPSK	12	13	17.53	17.80	17.61		
5	QPSK	25	0	17.55	17.78	17.60		
5	16QAM	1	0	17.55	17.80	17.60	18.5	0
5	16QAM	1	12	17.54	17.81	17.59		
5	16QAM	1	24	17.51	17.78	17.62		
5	16QAM	12	0	17.56	17.76	17.59	18.5	0
5	16QAM	12	7	17.52	17.80	17.60		
5	16QAM	12	13	17.52	17.81	17.58		
5	16QAM	25	0	17.55	17.80	17.58		
5	64QAM	1	0	17.54	17.78	17.60	18.5	0
5	64QAM	1	12	17.53	17.78	17.57		
5	64QAM	1	24	17.51	17.82	17.61		
5	64QAM	12	0	17.51	17.82	17.59	18.5	0
5	64QAM	12	7	17.53	17.78	17.57		
5	64QAM	12	13	17.54	17.77	17.61		
5	64QAM	25	0	17.52	17.79	17.60		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.50	17.79	17.62	18.5	0
3	QPSK	1	8	17.54	17.76	17.61		
3	QPSK	1	14	17.53	17.82	17.60		
3	QPSK	8	0	17.55	17.78	17.63	18.5	0
3	QPSK	8	4	17.54	17.76	17.61		
3	QPSK	8	7	17.53	17.80	17.61		
3	QPSK	15	0	17.55	17.78	17.60		
3	16QAM	1	0	17.55	17.80	17.60	18.5	0
3	16QAM	1	8	17.54	17.81	17.59		
3	16QAM	1	14	17.51	17.78	17.62		
3	16QAM	8	0	17.56	17.76	17.59	18.5	0
3	16QAM	8	4	17.52	17.80	17.60		
3	16QAM	8	7	17.52	17.81	17.58		
3	16QAM	15	0	17.55	17.80	17.58		
3	64QAM	1	0	17.54	17.78	17.60	18.5	0
3	64QAM	1	8	17.53	17.78	17.57		
3	64QAM	1	14	17.51	17.82	17.61		
3	64QAM	8	0	17.51	17.82	17.59	18.5	0
3	64QAM	8	4	17.53	17.78	17.57		
3	64QAM	8	7	17.54	17.77	17.61		
3	64QAM	15	0	17.52	17.79	17.60		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.50	17.79	17.62	18.5	0
1.4	QPSK	1	3	17.54	17.76	17.61		
1.4	QPSK	1	5	17.53	17.82	17.60		
1.4	QPSK	3	0	17.55	17.78	17.63		
1.4	QPSK	3	1	17.54	17.76	17.61		
1.4	QPSK	3	3	17.53	17.80	17.61		
1.4	QPSK	6	0	17.55	17.78	17.60	18.5	0
1.4	16QAM	1	0	17.55	17.80	17.60	18.5	0
1.4	16QAM	1	3	17.54	17.81	17.59		
1.4	16QAM	1	5	17.51	17.78	17.62		
1.4	16QAM	3	0	17.56	17.76	17.59		
1.4	16QAM	3	1	17.52	17.80	17.60		
1.4	16QAM	3	3	17.52	17.81	17.58		
1.4	16QAM	6	0	17.55	17.80	17.58	18.5	0
1.4	64QAM	1	0	17.54	17.78	17.60	18.5	0
1.4	64QAM	1	3	17.53	17.78	17.57		
1.4	64QAM	1	5	17.51	17.82	17.61		
1.4	64QAM	3	0	17.51	17.82	17.59		
1.4	64QAM	3	1	17.53	17.78	17.57		
1.4	64QAM	3	3	17.54	17.77	17.61		
1.4	64QAM	6	0	17.52	17.79	17.60	18.5	0

ECI6 Power for WWAN Other PA

Band 2 Ant0 NSA 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.84	18.02	17.76	18.5	0
20	QPSK	1	49	17.84	17.95	17.75		
20	QPSK	1	99	17.83	17.96	17.76		
20	QPSK	50	0	17.82	17.98	17.74	18.5	0
20	QPSK	50	24	17.83	17.97	17.72		
20	QPSK	50	50	17.84	17.91	17.70		
20	QPSK	100	0	17.86	17.91	17.71		
20	16QAM	1	0	17.86	17.94	17.73	18.5	0
20	16QAM	1	49	17.82	17.94	17.75		
20	16QAM	1	99	17.82	17.98	17.72		
20	16QAM	50	0	17.83	17.99	17.73	18.5	0
20	16QAM	50	24	17.84	17.97	17.75		
20	16QAM	50	50	17.85	17.94	17.71		
20	16QAM	100	0	17.85	17.98	17.73		
20	64QAM	1	0	17.85	17.96	17.72	18.5	0
20	64QAM	1	49	17.80	17.93	17.72		
20	64QAM	1	99	17.82	17.99	17.74		
20	64QAM	50	0	17.84	17.94	17.75	18.5	0
20	64QAM	50	24	17.81	17.96	17.76		
20	64QAM	50	50	17.84	17.99	17.76		
20	64QAM	100	0	17.83	17.95	17.71		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.70	17.84	17.64	18.5	0
15	QPSK	1	37	17.74	17.89	17.64		
15	QPSK	1	74	17.72	17.89	17.60		
15	QPSK	36	0	17.73	17.84	17.62	18.5	0
15	QPSK	36	20	17.76	17.83	17.65		
15	QPSK	36	39	17.76	17.86	17.62		
15	QPSK	75	0	17.72	17.86	17.63		
15	16QAM	1	0	17.75	17.88	17.65	18.5	0
15	16QAM	1	37	17.74	17.86	17.63		
15	16QAM	1	74	17.71	17.85	17.66		
15	16QAM	36	0	17.71	17.84	17.62	18.5	0
15	16QAM	36	20	17.73	17.84	17.60		
15	16QAM	36	39	17.75	17.85	17.65		
15	16QAM	75	0	17.73	17.86	17.61		
15	64QAM	1	0	17.72	17.86	17.66	18.5	0
15	64QAM	1	37	17.76	17.87	17.65		
15	64QAM	1	74	17.72	17.84	17.66		
15	64QAM	36	0	17.75	17.85	17.65	18.5	0
15	64QAM	36	20	17.71	17.86	17.64		
15	64QAM	36	39	17.70	17.84	17.61		
15	64QAM	75	0	17.71	17.86	17.62		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.75	17.89	17.61	18.5	0
10	QPSK	1	25	17.76	17.83	17.61		
10	QPSK	1	49	17.75	17.89	17.65		
10	QPSK	25	0	17.73	17.83	17.65	18.5	0
10	QPSK	25	12	17.74	17.87	17.61		
10	QPSK	25	25	17.71	17.88	17.61		
10	QPSK	50	0	17.70	17.87	17.64		
10	16QAM	1	0	17.70	17.88	17.61	18.5	0
10	16QAM	1	25	17.72	17.89	17.62		
10	16QAM	1	49	17.71	17.89	17.63		
10	16QAM	25	0	17.74	17.85	17.65	18.5	0
10	16QAM	25	12	17.76	17.88	17.64		
10	16QAM	25	25	17.72	17.84	17.63		
10	16QAM	50	0	17.72	17.86	17.61		
10	64QAM	1	0	17.75	17.84	17.64	18.5	0
10	64QAM	1	25	17.73	17.86	17.62		
10	64QAM	1	49	17.74	17.88	17.62		
10	64QAM	25	0	17.75	17.86	17.65	18.5	0
10	64QAM	25	12	17.71	17.87	17.62		
10	64QAM	25	25	17.72	17.84	17.65		
10	64QAM	50	0	17.72	17.84	17.60		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.72	17.89	17.60	18.5	0
5	QPSK	1	12	17.76	17.86	17.64		
5	QPSK	1	24	17.75	17.83	17.65		
5	QPSK	12	0	17.72	17.84	17.63	18.5	0
5	QPSK	12	7	17.75	17.87	17.63		
5	QPSK	12	13	17.74	17.85	17.62		
5	QPSK	25	0	17.75	17.88	17.61		
5	16QAM	1	0	17.71	17.86	17.65	18.5	0
5	16QAM	1	12	17.70	17.89	17.65		
5	16QAM	1	24	17.72	17.89	17.60		
5	16QAM	12	0	17.74	17.88	17.61	18.5	0
5	16QAM	12	7	17.71	17.87	17.63		
5	16QAM	12	13	17.71	17.84	17.65		
5	16QAM	25	0	17.74	17.89	17.64		
5	64QAM	1	0	17.74	17.88	17.62	18.5	0
5	64QAM	1	12	17.71	17.87	17.60		
5	64QAM	1	24	17.71	17.83	17.65		
5	64QAM	12	0	17.73	17.88	17.64	18.5	0
5	64QAM	12	7	17.71	17.86	17.63		
5	64QAM	12	13	17.76	17.88	17.61		
5	64QAM	25	0	17.70	17.88	17.60		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.73	17.88	17.65	18.5	0
3	QPSK	1	8	17.74	17.88	17.63		
3	QPSK	1	14	17.75	17.84	17.64		
3	QPSK	8	0	17.72	17.88	17.61	18.5	0
3	QPSK	8	4	17.75	17.84	17.60		
3	QPSK	8	7	17.73	17.87	17.63		
3	QPSK	15	0	17.76	17.87	17.60		
3	16QAM	1	0	17.72	17.83	17.64	18.5	0
3	16QAM	1	8	17.70	17.84	17.60		
3	16QAM	1	14	17.74	17.85	17.65		
3	16QAM	8	0	17.74	17.87	17.64	18.5	0
3	16QAM	8	4	17.76	17.83	17.66		
3	16QAM	8	7	17.74	17.85	17.61		
3	16QAM	15	0	17.73	17.87	17.62		
3	64QAM	1	0	17.75	17.87	17.60	18.5	0
3	64QAM	1	8	17.75	17.85	17.61		
3	64QAM	1	14	17.76	17.85	17.65		
3	64QAM	8	0	17.74	17.87	17.61	18.5	0
3	64QAM	8	4	17.75	17.89	17.64		
3	64QAM	8	7	17.72	17.85	17.61		
3	64QAM	15	0	17.76	17.87	17.62		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.72	17.84	17.63	18.5	0
1.4	QPSK	1	3	17.75	17.88	17.65		
1.4	QPSK	1	5	17.71	17.88	17.60		
1.4	QPSK	3	0	17.73	17.88	17.63		
1.4	QPSK	3	1	17.72	17.84	17.61		
1.4	QPSK	3	3	17.72	17.87	17.65		
1.4	QPSK	6	0	17.73	17.85	17.65	18.5	0
1.4	16QAM	1	0	17.72	17.84	17.60	18.5	0
1.4	16QAM	1	3	17.73	17.83	17.66		
1.4	16QAM	1	5	17.74	17.88	17.62		
1.4	16QAM	3	0	17.76	17.86	17.63		
1.4	16QAM	3	1	17.74	17.85	17.62		
1.4	16QAM	3	3	17.71	17.85	17.65		
1.4	16QAM	6	0	17.75	17.85	17.61	18.5	0
1.4	64QAM	1	0	17.73	17.84	17.64	18.5	0
1.4	64QAM	1	3	17.70	17.87	17.60		
1.4	64QAM	1	5	17.76	17.84	17.64		
1.4	64QAM	3	0	17.74	17.86	17.64		
1.4	64QAM	3	1	17.75	17.88	17.65		
1.4	64QAM	3	3	17.71	17.88	17.65		
1.4	64QAM	6	0	17.73	17.84	17.65	18.5	0

Band 4 Ant0 NSA 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.19	20.52	20.28	21	0
20	QPSK	1	49	20.24	20.47	20.28		
20	QPSK	1	99	20.24	20.46	20.26		
20	QPSK	50	0	20.19	20.51	20.28	21	0
20	QPSK	50	24	20.24	20.47	20.27		
20	QPSK	50	50	20.23	20.49	20.25		
20	QPSK	100	0	20.19	20.49	20.28		
20	16QAM	1	0	20.20	20.48	20.30	21	0
20	16QAM	1	49	20.19	20.49	20.28		
20	16QAM	1	99	20.22	20.48	20.29		
20	16QAM	50	0	20.20	20.47	20.25	21	0
20	16QAM	50	24	20.22	20.46	20.26		
20	16QAM	50	50	20.21	20.47	20.28		
20	16QAM	100	0	20.24	20.51	20.30		
20	64QAM	1	0	20.19	20.49	20.27	21	0
20	64QAM	1	49	20.24	20.49	20.28		
20	64QAM	1	99	20.23	20.48	20.29		
20	64QAM	50	0	19.18	19.46	19.26	20	1
20	64QAM	50	24	19.23	19.51	19.29		
20	64QAM	50	50	19.22	19.50	19.29		
20	64QAM	100	0	19.22	19.50	19.30		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.12	20.39	20.15	21	0
15	QPSK	1	37	20.15	20.36	20.20		
15	QPSK	1	74	20.16	20.36	20.19		
15	QPSK	36	0	20.09	20.37	20.20	21	0
15	QPSK	36	20	20.15	20.38	20.16		
15	QPSK	36	39	20.11	20.38	20.15		
15	QPSK	75	0	20.09	20.36	20.19		
15	16QAM	1	0	20.12	20.41	20.23	21	0
15	16QAM	1	37	20.09	20.37	20.18		
15	16QAM	1	74	20.14	20.36	20.19		
15	16QAM	36	0	20.12	20.34	20.15	21	0
15	16QAM	36	20	20.11	20.33	20.14		
15	16QAM	36	39	20.10	20.38	20.19		
15	16QAM	75	0	20.13	20.44	20.22		
15	64QAM	1	0	20.07	20.38	20.17	21	0
15	64QAM	1	37	20.14	20.38	20.20		
15	64QAM	1	74	20.12	20.40	20.20		
15	64QAM	36	0	19.05	19.36	19.15	20	1
15	64QAM	36	20	19.11	19.39	19.19		
15	64QAM	36	39	19.10	19.38	19.19		
15	64QAM	75	0	19.11	19.40	19.19		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.10	20.37	20.17	21	0
10	QPSK	1	25	20.15	20.38	20.18		
10	QPSK	1	49	20.13	20.38	20.14		
10	QPSK	25	0	20.08	20.36	20.21	21	0
10	QPSK	25	12	20.15	20.37	20.18		
10	QPSK	25	25	20.15	20.41	20.13		
10	QPSK	50	0	20.09	20.36	20.16		
10	16QAM	1	0	20.07	20.40	20.22	21	0
10	16QAM	1	25	20.08	20.39	20.16		
10	16QAM	1	49	20.11	20.39	20.20		
10	16QAM	25	0	20.12	20.39	20.17	21	0
10	16QAM	25	12	20.11	20.37	20.18		
10	16QAM	25	25	20.13	20.40	20.18		
10	16QAM	50	0	20.17	20.43	20.20		
10	64QAM	1	0	20.10	20.41	20.16	21	0
10	64QAM	1	25	20.16	20.38	20.18		
10	64QAM	1	49	20.16	20.38	20.18		
10	64QAM	25	0	19.07	19.39	19.13	20	1
10	64QAM	25	12	19.12	19.39	19.21		
10	64QAM	25	25	19.11	19.41	19.19		
10	64QAM	50	0	19.15	19.40	19.23		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.10	20.38	20.18	21	0
5	QPSK	1	12	20.14	20.37	20.19		
5	QPSK	1	24	20.13	20.36	20.14		
5	QPSK	12	0	20.08	20.40	20.18	21	0
5	QPSK	12	7	20.16	20.36	20.15		
5	QPSK	12	13	20.12	20.39	20.15		
5	QPSK	25	0	20.07	20.38	20.20		
5	16QAM	1	0	20.10	20.36	20.20	21	0
5	16QAM	1	12	20.09	20.37	20.19		
5	16QAM	1	24	20.12	20.39	20.21		
5	16QAM	12	0	20.09	20.39	20.13	21	0
5	16QAM	12	7	20.11	20.38	20.14		
5	16QAM	12	13	20.11	20.35	20.15		
5	16QAM	25	0	20.15	20.40	20.18		
5	64QAM	1	0	20.12	20.42	20.17	21	0
5	64QAM	1	12	20.12	20.37	20.19		
5	64QAM	1	24	20.14	20.37	20.19		
5	64QAM	12	0	19.07	19.34	19.15	20	1
5	64QAM	12	7	19.10	19.38	19.17		
5	64QAM	12	13	19.14	19.41	19.19		
5	64QAM	25	0	19.09	19.42	19.18		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.08	20.39	20.18	21	0
3	QPSK	1	8	20.16	20.37	20.16		
3	QPSK	1	14	20.12	20.35	20.19		
3	QPSK	8	0	20.06	20.36	20.17	21	0
3	QPSK	8	4	20.17	20.39	20.19		
3	QPSK	8	7	20.15	20.38	20.17		
3	QPSK	15	0	20.11	20.35	20.19		
3	16QAM	1	0	20.12	20.40	20.18	21	0
3	16QAM	1	8	20.11	20.38	20.15		
3	16QAM	1	14	20.11	20.35	20.18		
3	16QAM	8	0	20.08	20.39	20.16	21	0
3	16QAM	8	4	20.15	20.34	20.13		
3	16QAM	8	7	20.13	20.37	20.17		
3	16QAM	15	0	20.16	20.39	20.19		
3	64QAM	1	0	20.11	20.40	20.16	21	0
3	64QAM	1	8	20.14	20.42	20.20		
3	64QAM	1	14	20.12	20.38	20.18		
3	64QAM	8	0	19.08	19.36	19.19	20	1
3	64QAM	8	4	19.16	19.40	19.17		
3	64QAM	8	7	19.11	19.42	19.20		
3	64QAM	15	0	19.14	19.38	19.18		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.10	20.41	20.19	21	0
1.4	QPSK	1	3	20.13	20.37	20.19		
1.4	QPSK	1	5	20.17	20.35	20.18		
1.4	QPSK	3	0	20.10	20.36	20.20		
1.4	QPSK	3	1	20.12	20.39	20.17		
1.4	QPSK	3	3	20.15	20.38	20.17		
1.4	QPSK	6	0	20.08	20.34	20.15	21	0
1.4	16QAM	1	0	20.10	20.41	20.23	21	0
1.4	16QAM	1	3	20.08	20.41	20.20		
1.4	16QAM	1	5	20.11	20.40	20.19		
1.4	16QAM	3	0	20.10	20.36	20.15		
1.4	16QAM	3	1	20.10	20.36	20.18		
1.4	16QAM	3	3	20.13	20.35	20.21		
1.4	16QAM	6	0	20.12	20.44	20.19	21	0
1.4	64QAM	1	0	20.07	20.39	20.19	21	0
1.4	64QAM	1	3	20.15	20.39	20.20		
1.4	64QAM	1	5	20.15	20.37	20.20		
1.4	64QAM	3	0	19.06	19.34	19.17		
1.4	64QAM	3	1	19.13	19.40	19.22		
1.4	64QAM	3	3	19.09	19.43	19.20		
1.4	64QAM	6	0	19.12	19.38	19.22	20	1

ECI7 Power for WWAN Other PA

Band 2 Ant0 NSA 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	15.10	15.35	15.03	15.5	0
20	QPSK	1	49	15.15	15.24	15.03		
20	QPSK	1	99	15.11	15.23	15.06		
20	QPSK	50	0	15.14	15.28	15.04	15.5	0
20	QPSK	50	24	15.14	15.24	15.04		
20	QPSK	50	50	15.15	15.27	15.04		
20	QPSK	100	0	15.15	15.24	15.01		
20	16QAM	1	0	15.13	15.28	15.03	15.5	0
20	16QAM	1	49	15.11	15.26	15.01		
20	16QAM	1	99	15.15	15.27	15.05		
20	16QAM	50	0	15.13	15.24	15.03	15.5	0
20	16QAM	50	24	15.10	15.25	15.04		
20	16QAM	50	50	15.16	15.27	15.01		
20	16QAM	100	0	15.15	15.28	15.04		
20	64QAM	1	0	15.16	15.28	15.01	15.5	0
20	64QAM	1	49	15.11	15.28	15.04		
20	64QAM	1	99	15.14	15.29	15.01		
20	64QAM	50	0	15.16	15.25	15.05	15.5	0
20	64QAM	50	24	15.11	15.28	15.01		
20	64QAM	50	50	15.11	15.29	15.03		
20	64QAM	100	0	15.11	15.26	15.02		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.13	15.26	15.05	15.5	0
15	QPSK	1	37	15.14	15.25	15.01		
15	QPSK	1	74	15.16	15.24	15.01		
15	QPSK	36	0	15.10	15.26	15.01	15.5	0
15	QPSK	36	20	15.15	15.29	15.01		
15	QPSK	36	39	15.11	15.27	15.04		
15	QPSK	75	0	15.14	15.28	15.03		
15	16QAM	1	0	15.14	15.25	15.02	15.5	0
15	16QAM	1	37	15.14	15.24	15.05		
15	16QAM	1	74	15.12	15.28	15.05		
15	16QAM	36	0	15.11	15.27	15.04	15.5	0
15	16QAM	36	20	15.16	15.29	15.03		
15	16QAM	36	39	15.12	15.26	15.02		
15	16QAM	75	0	15.13	15.26	15.04		
15	64QAM	1	0	15.16	15.24	15.03	15.5	0
15	64QAM	1	37	15.15	15.23	15.03		
15	64QAM	1	74	15.15	15.27	15.05		
15	64QAM	36	0	15.12	15.28	15.03	15.5	0
15	64QAM	36	20	15.16	15.27	15.01		
15	64QAM	36	39	15.13	15.27	15.00		
15	64QAM	75	0	15.11	15.23	15.05		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.15	15.28	15.06	15.5	0
10	QPSK	1	25	15.11	15.26	15.05		
10	QPSK	1	49	15.12	15.29	15.00		
10	QPSK	25	0	15.16	15.27	15.05	15.5	0
10	QPSK	25	12	15.15	15.23	15.01		
10	QPSK	25	25	15.16	15.27	15.06		
10	QPSK	50	0	15.13	15.26	15.01		
10	16QAM	1	0	15.15	15.24	15.01	15.5	0
10	16QAM	1	25	15.13	15.27	15.02		
10	16QAM	1	49	15.12	15.26	15.04		
10	16QAM	25	0	15.12	15.27	15.01	15.5	0
10	16QAM	25	12	15.15	15.23	15.01		
10	16QAM	25	25	15.11	15.29	15.05		
10	16QAM	50	0	15.15	15.25	15.05		
10	64QAM	1	0	15.13	15.29	15.02	15.5	0
10	64QAM	1	25	15.16	15.26	15.05		
10	64QAM	1	49	15.14	15.29	15.02		
10	64QAM	25	0	15.14	15.24	15.04	15.5	0
10	64QAM	25	12	15.10	15.28	15.01		
10	64QAM	25	25	15.16	15.26	15.05		
10	64QAM	50	0	15.11	15.28	15.04		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.14	15.24	15.04	15.5	0
5	QPSK	1	12	15.16	15.26	15.04		
5	QPSK	1	24	15.11	15.25	15.00		
5	QPSK	12	0	15.11	15.25	15.03	15.5	0
5	QPSK	12	7	15.11	15.26	15.02		
5	QPSK	12	13	15.15	15.29	15.00		
5	QPSK	25	0	15.11	15.29	15.05		
5	16QAM	1	0	15.11	15.24	15.04	15.5	0
5	16QAM	1	12	15.15	15.27	15.03		
5	16QAM	1	24	15.16	15.26	15.05		
5	16QAM	12	0	15.16	15.23	15.03	15.5	0
5	16QAM	12	7	15.15	15.29	15.02		
5	16QAM	12	13	15.10	15.27	15.01		
5	16QAM	25	0	15.13	15.29	15.05		
5	64QAM	1	0	15.16	15.28	15.00	15.5	0
5	64QAM	1	12	15.14	15.25	15.01		
5	64QAM	1	24	15.11	15.23	15.02		
5	64QAM	12	0	15.16	15.24	15.04	15.5	0
5	64QAM	12	7	15.14	15.28	15.05		
5	64QAM	12	13	15.13	15.24	15.02		
5	64QAM	25	0	15.13	15.26	15.01		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.13	15.25	15.02	15.5	0
3	QPSK	1	8	15.16	15.27	15.02		
3	QPSK	1	14	15.12	15.26	15.02		
3	QPSK	8	0	15.15	15.24	15.04	15.5	0
3	QPSK	8	4	15.14	15.25	15.02		
3	QPSK	8	7	15.11	15.24	15.04		
3	QPSK	15	0	15.10	15.28	15.05		
3	16QAM	1	0	15.12	15.25	15.04	15.5	0
3	16QAM	1	8	15.11	15.23	15.03		
3	16QAM	1	14	15.11	15.28	15.01		
3	16QAM	8	0	15.14	15.27	15.00	15.5	0
3	16QAM	8	4	15.14	15.27	15.02		
3	16QAM	8	7	15.11	15.27	15.06		
3	16QAM	15	0	15.12	15.29	15.04		
3	64QAM	1	0	15.15	15.26	15.05	15.5	0
3	64QAM	1	8	15.16	15.26	15.05		
3	64QAM	1	14	15.13	15.28	15.05		
3	64QAM	8	0	15.11	15.24	15.03	15.5	0
3	64QAM	8	4	15.11	15.24	15.04		
3	64QAM	8	7	15.12	15.25	15.00		
3	64QAM	15	0	15.10	15.25	15.04		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.15	15.26	15.03	15.5	0
1.4	QPSK	1	3	15.16	15.28	15.06		
1.4	QPSK	1	5	15.14	15.26	15.02		
1.4	QPSK	3	0	15.13	15.29	15.03		
1.4	QPSK	3	1	15.11	15.26	15.02		
1.4	QPSK	3	3	15.16	15.23	15.01		
1.4	QPSK	6	0	15.11	15.29	15.05	15.5	0
1.4	16QAM	1	0	15.12	15.27	15.06	15.5	0
1.4	16QAM	1	3	15.15	15.27	15.02		
1.4	16QAM	1	5	15.12	15.28	15.06		
1.4	16QAM	3	0	15.13	15.27	15.03		
1.4	16QAM	3	1	15.11	15.24	15.02		
1.4	16QAM	3	3	15.12	15.26	15.00		
1.4	16QAM	6	0	15.15	15.27	15.00	15.5	0
1.4	64QAM	1	0	15.14	15.26	15.04	15.5	0
1.4	64QAM	1	3	15.15	15.28	15.00		
1.4	64QAM	1	5	15.10	15.29	15.04		
1.4	64QAM	3	0	15.11	15.26	15.05		
1.4	64QAM	3	1	15.12	15.24	15.02		
1.4	64QAM	3	3	15.13	15.26	15.01		
1.4	64QAM	6	0	15.10	15.25	15.06	15.5	0

Band 4 Ant0 NSA 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.68	16.99	16.76	17.5	0
20	QPSK	1	49	16.71	16.93	16.80		
20	QPSK	1	99	16.74	16.94	16.81		
20	QPSK	50	0	16.69	16.98	16.82	17.5	0
20	QPSK	50	24	16.72	16.97	16.80		
20	QPSK	50	50	16.71	16.97	16.79		
20	QPSK	100	0	16.69	16.97	16.78		
20	16QAM	1	0	16.74	16.93	16.76	17.5	0
20	16QAM	1	49	16.72	16.93	16.79		
20	16QAM	1	99	16.72	16.95	16.81		
20	16QAM	50	0	16.69	16.98	16.78	17.5	0
20	16QAM	50	24	16.70	16.93	16.81		
20	16QAM	50	50	16.72	16.96	16.82		
20	16QAM	100	0	16.72	16.95	16.81		
20	64QAM	1	0	16.71	16.97	16.79	17.5	0
20	64QAM	1	49	16.70	16.94	16.80		
20	64QAM	1	99	16.70	16.96	16.80		
20	64QAM	50	0	16.74	16.97	16.77	17.5	0
20	64QAM	50	24	16.74	16.97	16.78		
20	64QAM	50	50	16.70	16.98	16.79		
20	64QAM	100	0	16.70	16.98	16.78		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.62	16.84	16.68	17.5	0
15	QPSK	1	37	16.61	16.83	16.69		
15	QPSK	1	74	16.63	16.86	16.67		
15	QPSK	36	0	16.60	16.86	16.68	17.5	0
15	QPSK	36	20	16.61	16.85	16.68		
15	QPSK	36	39	16.60	16.87	16.68		
15	QPSK	75	0	16.63	16.87	16.69		
15	16QAM	1	0	16.59	16.87	16.69	17.5	0
15	16QAM	1	37	16.60	16.88	16.69		
15	16QAM	1	74	16.60	16.85	16.71		
15	16QAM	36	0	16.60	16.83	16.70	17.5	0
15	16QAM	36	20	16.60	16.87	16.68		
15	16QAM	36	39	16.61	16.83	16.68		
15	16QAM	75	0	16.59	16.85	16.71		
15	64QAM	1	0	16.63	16.86	16.69	17.5	0
15	64QAM	1	37	16.58	16.88	16.67		
15	64QAM	1	74	16.58	16.84	16.67		
15	64QAM	36	0	16.63	16.83	16.71	17.5	0
15	64QAM	36	20	16.59	16.86	16.71		
15	64QAM	36	39	16.58	16.86	16.70		
15	64QAM	75	0	16.59	16.83	16.66		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.63	16.84	16.66	17.5	0
10	QPSK	1	25	16.61	16.84	16.71		
10	QPSK	1	49	16.63	16.84	16.72		
10	QPSK	25	0	16.64	16.85	16.72	17.5	0
10	QPSK	25	12	16.61	16.85	16.70		
10	QPSK	25	25	16.61	16.87	16.68		
10	QPSK	50	0	16.62	16.87	16.71		
10	16QAM	1	0	16.61	16.86	16.68	17.5	0
10	16QAM	1	25	16.58	16.83	16.67		
10	16QAM	1	49	16.63	16.85	16.72		
10	16QAM	25	0	16.58	16.87	16.70	17.5	0
10	16QAM	25	12	16.59	16.82	16.67		
10	16QAM	25	25	16.58	16.82	16.72		
10	16QAM	50	0	16.60	16.84	16.66		
10	64QAM	1	0	16.62	16.86	16.72	17.5	0
10	64QAM	1	25	16.60	16.88	16.72		
10	64QAM	1	49	16.64	16.87	16.70		
10	64QAM	25	0	16.58	16.83	16.70	17.5	0
10	64QAM	25	12	16.62	16.82	16.70		
10	64QAM	25	25	16.59	16.88	16.71		
10	64QAM	50	0	16.61	16.83	16.70		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.61	16.82	16.70	17.5	0
5	QPSK	1	12	16.60	16.83	16.66		
5	QPSK	1	24	16.61	16.85	16.71		
5	QPSK	12	0	16.63	16.88	16.66	17.5	0
5	QPSK	12	7	16.58	16.85	16.71		
5	QPSK	12	13	16.62	16.83	16.71		
5	QPSK	25	0	16.58	16.85	16.69		
5	16QAM	1	0	16.64	16.84	16.70	17.5	0
5	16QAM	1	12	16.58	16.87	16.70		
5	16QAM	1	24	16.64	16.88	16.69		
5	16QAM	12	0	16.60	16.84	16.71	17.5	0
5	16QAM	12	7	16.59	16.82	16.68		
5	16QAM	12	13	16.60	16.87	16.66		
5	16QAM	25	0	16.60	16.83	16.68		
5	64QAM	1	0	16.59	16.83	16.72	17.5	0
5	64QAM	1	12	16.59	16.85	16.66		
5	64QAM	1	24	16.63	16.83	16.70		
5	64QAM	12	0	16.59	16.84	16.67	17.5	0
5	64QAM	12	7	16.64	16.87	16.67		
5	64QAM	12	13	16.58	16.83	16.66		
5	64QAM	25	0	16.59	16.88	16.69		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.62	16.85	16.69	17.5	0
3	QPSK	1	8	16.63	16.84	16.68		
3	QPSK	1	14	16.64	16.86	16.69		
3	QPSK	8	0	16.63	16.87	16.69	17.5	0
3	QPSK	8	4	16.62	16.85	16.71		
3	QPSK	8	7	16.59	16.82	16.67		
3	QPSK	15	0	16.64	16.86	16.71		
3	16QAM	1	0	16.61	16.85	16.71	17.5	0
3	16QAM	1	8	16.59	16.83	16.70		
3	16QAM	1	14	16.61	16.85	16.68		
3	16QAM	8	0	16.63	16.88	16.70	17.5	0
3	16QAM	8	4	16.61	16.87	16.67		
3	16QAM	8	7	16.62	16.84	16.67		
3	16QAM	15	0	16.64	16.87	16.66		
3	64QAM	1	0	16.62	16.83	16.72	17.5	0
3	64QAM	1	8	16.63	16.86	16.72		
3	64QAM	1	14	16.61	16.86	16.67		
3	64QAM	8	0	16.58	16.87	16.67	17.5	0
3	64QAM	8	4	16.64	16.84	16.67		
3	64QAM	8	7	16.64	16.88	16.66		
3	64QAM	15	0	16.63	16.85	16.66		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.63	16.83	16.69	17.5	0
1.4	QPSK	1	3	16.59	16.83	16.68		
1.4	QPSK	1	5	16.62	16.83	16.66		
1.4	QPSK	3	0	16.64	16.83	16.68		
1.4	QPSK	3	1	16.63	16.85	16.71		
1.4	QPSK	3	3	16.58	16.86	16.71		
1.4	QPSK	6	0	16.63	16.88	16.66	17.5	0
1.4	16QAM	1	0	16.64	16.86	16.67	17.5	0
1.4	16QAM	1	3	16.62	16.86	16.69		
1.4	16QAM	1	5	16.60	16.85	16.69		
1.4	16QAM	3	0	16.59	16.88	16.67		
1.4	16QAM	3	1	16.63	16.84	16.70		
1.4	16QAM	3	3	16.60	16.88	16.67		
1.4	16QAM	6	0	16.58	16.82	16.71	17.5	0
1.4	64QAM	1	0	16.60	16.84	16.67	17.5	0
1.4	64QAM	1	3	16.59	16.87	16.68		
1.4	64QAM	1	5	16.63	16.87	16.66		
1.4	64QAM	3	0	16.59	16.87	16.68		
1.4	64QAM	3	1	16.61	16.83	16.70		
1.4	64QAM	3	3	16.63	16.83	16.69		
1.4	64QAM	6	0	16.60	16.86	16.70	17.5	0

2CA DL

CA List	PCC									SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_41A-42A	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	22.65	22.73
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	22.33	22.45

3CA DL

3CA List	PCC									SCC1					SCC2						Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_41A-42C	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	22.65	22.80
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	22.33	22.53
CA_41C-42A	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	22.65	22.81
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	22.33	22.47
CA_42D	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 42	20M	3539.6	42986	4X4 MIMO	22.33	22.46

Uplink CA Power

CA_41C Ant4 Default								
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		
39750	39948	QPSK	1	99	1	0	22.15	24.00
40620	40818	QPSK	1	99	1	0	22.29	24.00
41490	41292	QPSK	1	0	1	99	22.18	24.00

CA_41C Ant4 HPUE Default								
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		
39750	39948	QPSK	1	99	1	0	25.11	27.00
40620	40818	QPSK	1	99	1	0	25.21	27.00
41490	41292	QPSK	1	0	1	99	25.09	27.00

CA_42C Ant5 Default								
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		
42190	42388	QPSK	1	99	1	0	22.05	24.00
42590	42788	QPSK	1	99	1	0	22.11	24.00
42990	42792	QPSK	1	0	1	99	22.08	24.00

Uplink CA Power

CA_41C Ant4 ECI2								
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		
39750	39948	QPSK	1	99	1	0	14.51	16.00
40620	40818	QPSK	1	99	1	0	14.64	16.00
41490	41292	QPSK	1	0	1	99	14.45	16.00

CA_41C Ant4 ECI3								
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		
39750	39948	QPSK	1	99	1	0	15.89	17.50
40620	40818	QPSK	1	99	1	0	16.28	17.50
41490	41292	QPSK	1	0	1	99	16.11	17.50

CA_41C Ant4 ECI6								
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		
39750	39948	QPSK	1	99	1	0	17.31	19.00
40620	40818	QPSK	1	99	1	0	17.66	19.00
41490	41292	QPSK	1	0	1	99	17.52	19.00

CA_41C Ant4 HPUE ECI2								
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		
39750	39948	QPSK	1	99	1	0	17.37	19.00
40620	40818	QPSK	1	99	1	0	17.43	19.00
41490	41292	QPSK	1	0	1	99	17.27	19.00

CA_41C Ant4 HPUE ECI3								
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		
39750	39948	QPSK	1	99	1	0	18.64	20.50
40620	40818	QPSK	1	99	1	0	19.03	20.50
41490	41292	QPSK	1	0	1	99	18.85	20.50

CA_41C Ant4 HPUE ECI6								
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		
39750	39948	QPSK	1	99	1	0	20.22	22.00
40620	40818	QPSK	1	99	1	0	20.48	22.00
41490	41292	QPSK	1	0	1	99	20.27	22.00

CA_42C Ant5 ECI2&3								
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		
42190	42388	QPSK	1	99	1	0	15.68	17.50
42590	42788	QPSK	1	99	1	0	15.79	17.50
42990	42792	QPSK	1	0	1	99	15.61	17.50

CA_42C Ant5 ECI6								
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		
42190	42388	QPSK	1	99	1	0	19.67	21.50
42590	42788	QPSK	1	99	1	0	19.66	21.50
42990	42792	QPSK	1	0	1	99	19.56	21.50

CA_41C Ant4 ECI7								
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		
39750	39948	QPSK	1	99	1	0	10.87	12.00
40620	40818	QPSK	1	99	1	0	11.29	12.00
41490	41292	QPSK	1	0	1	99	11.05	12.00

CA_41C Ant4 HPUE ECI7								
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		
39750	39948	QPSK	1	99	1	0	13.5	15.00
40620	40818	QPSK	1	99	1	0	13.88	15.00
41490	41292	QPSK	1	0	1	99	13.58	15.00

CA_42C Ant5 ECI7								
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		
42190	42388	QPSK	1	99	1	0	14.25	16.00
42590	42788	QPSK	1	99	1	0	14.26	16.00
42990	42792	QPSK	1	0	1	99	14.2	16.00

Default Power for FR1 Main PA

n41 Ant 4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.71	21.73	21.67	23.0	0.0
100	PI/2 BPSK	1	137	21.68	21.75	21.70		
100	PI/2 BPSK	1	271	21.72	21.71	21.61		
100	PI/2 BPSK	135	0	21.20	21.25	21.17	22.5	0.5
100	PI/2 BPSK	135	69	21.58	21.64	21.65	23.0	0.0
100	PI/2 BPSK	135	138	21.35	21.31	21.24	22.5	0.5
100	PI/2 BPSK	270	0	21.25	21.35	21.16		
100	QPSK	1	1	21.75	21.78	21.73	23.0	0.0
100	QPSK	1	137	21.62	21.73	21.69		
100	QPSK	1	271	21.59	21.74	21.59		
100	QPSK	135	0	20.68	20.62	20.70	22.0	1.0
100	QPSK	135	69	21.63	21.77	21.65	23.0	0.0
100	QPSK	135	138	20.71	20.68	20.65	22.0	1.0
100	QPSK	270	0	20.80	20.76	20.77		
100	16QAM	1	1	20.75	20.76	20.79	22.0	1.0
100	64QAM	1	1	19.22	19.30	19.14	20.5	2.5
100	256QAM	1	1	17.95	18.05	17.83	18.5	4.5
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.61	21.64	21.67	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	21.55	21.74	21.52	23.0	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	21.62	21.61	21.64	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	21.55	21.59	21.55	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.72	21.74	21.70	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	21.66	21.63	21.56	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	21.68	21.66	21.56	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	21.71	21.77	21.54	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	1	21.68	21.72	21.69	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	1	21.72	21.61	21.69	23.0	0.0

Part27O n77 Ant 2 Default

BW [MHz]	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	PI/2 BPSK	1	1	19.22	19.43	19.34	21.0	0.0
100	PI/2 BPSK	1	137	19.22	19.37	19.28		
100	PI/2 BPSK	1	271	19.28	19.38	19.23		
100	PI/2 BPSK	135	0	18.82	19.10	18.80	20.5	0.5
100	PI/2 BPSK	135	69	19.26	19.43	19.20	21.0	0.0
100	PI/2 BPSK	135	138	18.92	19.11	18.87	20.5	0.5
100	PI/2 BPSK	270	0	18.86	18.88	18.85		
100	QPSK	1	1	19.43	19.49	19.41	21.0	0.0
100	QPSK	1	137	19.37	19.42	19.36		
100	QPSK	1	271	19.37	19.47	19.41		
100	QPSK	135	0	18.36	18.31	18.32	20.0	1.0
100	QPSK	135	69	19.41	19.39	19.27	21.0	0.0
100	QPSK	135	138	18.39	18.31	18.29	20.5	1.0
100	QPSK	270	0	18.33	18.46	18.35		
100	16QAM	1	1	18.17	18.19	18.12	20.0	1.0
100	64QAM	1	1	16.79	16.79	16.72	18.5	2.5
100	256QAM	1	1	15.35	15.38	15.17	16.5	4.5
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.39	19.45	19.39	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.44	19.46	19.29	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.37	19.30	19.25	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.39	19.33	19.25	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.38	19.35	19.33	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.37	19.46	19.36	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	19.24	19.32	19.39	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.29	19.43	19.24	21.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.23	19.42	19.24	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.33	19.40	19.35	21.0	0.0

Part27O n78 Ant 2 Default

BW [MHz]	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)					3750			
100	PI/2 BPSK	1	1		19.46		21.0	0.0
100	PI/2 BPSK	1	137		19.27			
100	PI/2 BPSK	1	271		19.43			
100	PI/2 BPSK	135	0		18.92		20.5	0.5
100	PI/2 BPSK	135	69		19.35		21.0	0.0
100	PI/2 BPSK	135	138		18.89		20.5	0.5
100	PI/2 BPSK	270	0		18.98			
100	QPSK	1	1		19.48		21.0	0.0
100	QPSK	1	137		19.28			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.45		20.5	1.0
100	QPSK	135	69		19.42		21.0	0.0
100	QPSK	135	138		19.32		20.5	1.0
100	QPSK	270	0		18.37			
100	16QAM	1	1		18.17		20.0	1.0
100	64QAM	1	1		16.79		18.5	2.5
100	256QAM	1	1		15.49		16.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.27	19.46	19.26	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.16	19.32	19.14	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.09	19.43	19.20	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.10	19.25	19.09	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.28	19.34	19.17	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.10	19.31	19.09	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	19.08	19.28	19.19	21.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.15	19.28	19.20	21.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.27	19.41	19.28	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.20	19.31	19.12	21.0	0.0

Part27O n77 Ant 1 Default

BW [MHz]	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	PI/2 BPSK	1	1	18.35	18.53	18.53	20.0	0.0
100	PI/2 BPSK	1	137	18.46	18.50	18.31		
100	PI/2 BPSK	1	271	18.54	18.60	18.57		
100	PI/2 BPSK	135	0	17.96	18.06	17.86	19.5	0.5
100	PI/2 BPSK	135	69	18.41	18.58	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.21	18.18	18.16	19.5	0.5
100	PI/2 BPSK	270	0	18.22	18.24	18.26		
100	QPSK	1	1	18.49	18.79	18.65	20.0	0.0
100	QPSK	1	137	18.60	18.60	18.59		
100	QPSK	1	271	18.57	18.55	18.57		
100	QPSK	135	0	18.56	18.67	18.55	19.5	1.0
100	QPSK	135	69	18.44	18.50	18.48	20.0	0.0
100	QPSK	135	138	18.41	18.58	18.38	19.5	1.0
100	QPSK	270	0	17.78	17.82	17.55		
100	16QAM	1	1	17.33	17.36	17.31	19.0	1.0
100	64QAM	1	1	15.82	15.96	15.83	17.5	2.5
100	256QAM	1	1	14.30	14.51	14.50	15.5	4.5
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.22	18.21	18.18	20.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.22	18.23	18.24	20.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.46	18.61	18.60	20.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.60	18.64	18.55	20.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.53	18.59	18.57	20.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.52	18.54	18.56	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.60	18.64	18.59	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.57	18.70	18.58	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.55	18.69	18.58	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.59	18.65	18.55	20.0	0.0

Part27O n78 Ant 1 Default

BW [MHz]	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)					3750			
100	PI/2 BPSK	1	1		18.36		20.0	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.35			
100	PI/2 BPSK	135	0		17.90		19.5	0.5
100	PI/2 BPSK	135	69		18.41		20.0	0.0
100	PI/2 BPSK	135	138		17.85		19.5	0.5
100	PI/2 BPSK	270	0		17.81			
100	QPSK	1	1		18.42		20.0	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.37			
100	QPSK	135	0		17.22		19.0	1.0
100	QPSK	135	69		18.32		20.0	0.0
100	QPSK	135	138		17.24		19.0	1.0
100	QPSK	270	0		17.31			
100	16QAM	1	1		17.24		19.0	1.0
100	64QAM	1	1		15.79		17.5	2.5
100	256QAM	1	1		14.49		15.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.35	18.39	18.22	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.22	18.30	18.04	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.32	18.27	18.23	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.32	18.34	18.19	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.22	18.25	18.22	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.33	18.35	18.04	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.37	18.17	18.21	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.14	18.25	18.02	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.32	18.35	18.09	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.21	18.29	18.18	20.0	0.0

Part27O n77 Ant 5 Default

BW [MHz]	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	PI/2 BPSK	1	1	22.20	22.47	22.34	24.0	0.0
100	PI/2 BPSK	1	137	22.20	22.44	22.35		
100	PI/2 BPSK	1	271	22.23	22.36	22.48		
100	PI/2 BPSK	135	0	21.89	21.92	21.97	23.5	0.5
100	PI/2 BPSK	135	69	22.15	22.45	22.32	24.0	0.0
100	PI/2 BPSK	135	138	21.70	21.91	21.98	23.5	0.5
100	PI/2 BPSK	270	0	21.74	21.97	21.89		
100	QPSK	1	1	22.36	22.51	22.45	24.0	0.0
100	QPSK	1	137	22.14	22.36	22.33		
100	QPSK	1	271	22.24	22.42	22.37		
100	QPSK	135	0	21.23	21.40	21.38	23.0	1.0
100	QPSK	135	69	22.16	22.30	22.34	24.0	0.0
100	QPSK	135	138	21.34	21.40	21.30	23.0	1.0
100	QPSK	270	0	21.48	21.46	21.51		
100	16QAM	1	1	21.27	21.28	21.19	23.0	1.0
100	64QAM	1	1	19.70	19.83	19.77	21.5	2.5
100	256QAM	1	1	18.25	18.36	18.29	19.5	4.5
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	22.23	22.34	22.47	24.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	22.24	22.31	22.45	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	22.17	22.44	22.31	24.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	22.20	22.31	22.44	24.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	22.19	22.31	22.44	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	22.23	22.34	22.48	24.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	22.13	22.47	22.33	24.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	22.23	22.35	22.48	24.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	22.20	22.36	22.45	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	22.20	22.37	22.46	24.0	0.0

Part27O n78 Ant 5 Default

BW [MHz]	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)					3750			
100	PI/2 BPSK	1	1		22.15		24.0	0.0
100	PI/2 BPSK	1	137		22.16			
100	PI/2 BPSK	1	271		22.17			
100	PI/2 BPSK	135	0		21.64		23.5	0.5
100	PI/2 BPSK	135	69		22.11		24.0	0.0
100	PI/2 BPSK	135	138		21.73		23.5	0.5
100	PI/2 BPSK	270	0		21.74			
100	QPSK	1	1		22.30		24.0	0.0
100	QPSK	1	137		22.21			
100	QPSK	1	271		22.24			
100	QPSK	135	0		21.15		23.0	1.0
100	QPSK	135	69		22.12		24.0	0.0
100	QPSK	135	138		21.09		23.0	1.0
100	QPSK	270	0		21.13			
100	16QAM	1	1		21.34		23.0	1.0
100	64QAM	1	1		19.52		21.5	2.5
100	256QAM	1	1		17.70		19.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	22.21	22.22	22.12	24.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	22.10	22.24	22.10	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	22.16	22.08	22.07	24.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	22.04	22.18	22.01	24.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	22.06	22.21	22.04	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	22.12	22.06	22.06	24.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	22.15	22.18	22.03	24.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	22.15	22.05	22.13	24.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	22.15	22.11	22.09	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	22.10	22.05	22.10	24.0	0.0

Part27O n77 Ant 7 Default

BW [MHz]	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	PI/2 BPSK	1	1	19.47	19.55	19.32	20.5	0.0
100	PI/2 BPSK	1	137	19.55	19.46	19.42		
100	PI/2 BPSK	1	271	19.37	19.41	19.24		
100	PI/2 BPSK	135	0	18.97	19.18	18.87	20.0	0.5
100	PI/2 BPSK	135	69	19.44	19.41	19.40	20.5	0.0
100	PI/2 BPSK	135	138	19.09	19.00	18.84	20.0	0.5
100	PI/2 BPSK	270	0	19.17	19.12	18.88		
100	QPSK	1	1	19.56	19.69	19.46	20.5	0.0
100	QPSK	1	137	19.57	19.54	19.41		
100	QPSK	1	271	19.52	19.52	19.30		
100	QPSK	135	0	18.37	18.41	18.33	19.5	1.0
100	QPSK	135	69	19.37	19.40	19.29	20.5	0.0
100	QPSK	135	138	18.40	18.41	18.30	19.5	1.0
100	QPSK	270	0	18.46	18.52	18.51		
100	16QAM	1	1	18.40	18.40	18.26	19.5	1.0
100	64QAM	1	1	16.74	16.90	16.81	18.0	2.5
100	256QAM	1	1	15.27	15.45	15.33	16.0	4.5
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.40	19.41	19.47	20.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.45	19.39	19.43	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.43	19.51	19.31	20.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.48	19.58	19.27	20.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.56	19.56	19.34	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.36	19.42	19.45	20.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	19.42	19.55	19.29	20.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.53	19.42	19.27	20.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.45	19.52	19.43	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.51	19.56	19.38	20.5	0.0

Part27O n78 Ant 7 Default

BW [MHz]	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)					3750			
100	PI/2 BPSK	1	1		19.42		20.5	0.0
100	PI/2 BPSK	1	137		19.43			
100	PI/2 BPSK	1	271		19.45			
100	PI/2 BPSK	135	0		19.06		20.0	0.5
100	PI/2 BPSK	135	69		19.50		20.5	0.0
100	PI/2 BPSK	135	138		19.21		20.0	0.5
100	PI/2 BPSK	270	0		19.16			
100	QPSK	1	1		19.63		20.5	0.0
100	QPSK	1	137		19.58			
100	QPSK	1	271		19.56			
100	QPSK	135	0		18.62		19.5	1.0
100	QPSK	135	69		19.45		20.5	0.0
100	QPSK	135	138		18.49		19.5	1.0
100	QPSK	270	0		18.55			
100	16QAM	1	1		18.42		19.5	1.0
100	64QAM	1	1		16.99		18.0	2.5
100	256QAM	1	1		15.60		16.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.58	19.59	19.54	20.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.54	19.53	19.40	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.52	19.53	19.49	20.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.48	19.56	19.48	20.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.50	19.38	19.44	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.52	19.60	19.36	20.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	19.42	19.41	19.38	20.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.54	19.52	19.46	20.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.47	19.53	19.52	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.57	19.50	19.50	20.5	0.0

ECI2 Power

Part27O n77 Ant 1 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.35	18.53	18.53	20.0	0.0
100	PI/2 BPSK	1	137	18.46	18.50	18.31		
100	PI/2 BPSK	1	271	18.54	18.60	18.57		
100	PI/2 BPSK	135	0	17.96	18.06	17.86	19.5	0.5
100	PI/2 BPSK	135	69	18.41	18.58	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.21	18.18	18.16	19.5	0.5
100	PI/2 BPSK	270	0	18.22	18.24	18.26		
100	QPSK	1	1	18.49	18.79	18.65	20.0	0.0
100	QPSK	1	137	18.60	18.60	18.59		
100	QPSK	1	271	18.57	18.55	18.57		
100	QPSK	135	0	18.56	18.67	18.55	20.0	0.0
100	QPSK	135	69	18.44	18.50	18.48		
100	QPSK	135	138	18.41	18.58	18.38		
100	QPSK	270	0	17.78	17.82	17.55	19.0	1.0
100	16QAM	1	1	17.33	17.36	17.31	19.0	1.0
100	64QAM	1	1	15.82	15.96	15.83	17.5	2.5
100	256QAM	1	1	14.30	14.51	14.50	15.5	4.5
Channel				649667	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.22	18.21	18.18	20.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.22	18.23	18.24	20.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.46	18.61	18.60	20.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.60	18.64	18.55	20.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.53	18.59	18.57	20.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.52	18.54	18.56	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.60	18.64	18.59	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.57	18.70	18.58	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.55	18.69	18.58	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.59	18.65	18.55	20.0	0.0

Part27O n78 Ant 1 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.36		20.0	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.35			
100	PI/2 BPSK	135	0		17.90		19.5	0.5
100	PI/2 BPSK	135	69		18.41		20.0	0.0
100	PI/2 BPSK	135	138		17.85		19.5	0.5
100	PI/2 BPSK	270	0		17.81			
100	QPSK	1	1		18.42		20.0	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.37			
100	QPSK	135	0		18.22		20.0	0.0
100	QPSK	135	69		18.32			
100	QPSK	135	138		18.34			
100	QPSK	270	0		17.31		19.0	1.0
100	16QAM	1	1		17.24		19.0	1.0
100	64QAM	1	1		15.79		17.5	2.5
100	256QAM	1	1		14.49		15.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.35	18.39	18.22	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.22	18.30	18.04	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.32	18.27	18.23	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.32	18.34	18.19	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.22	18.25	18.22	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.33	18.35	18.04	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.37	18.17	18.21	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.14	18.25	18.02	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.32	18.35	18.09	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.21	18.29	18.18	20.0	0.0

Part27O n77 Ant 2 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.22	19.43	19.34	21.0	0.0
100	PI/2 BPSK	1	137	19.22	19.37	19.28		
100	PI/2 BPSK	1	271	19.28	19.38	19.23		
100	PI/2 BPSK	135	0	18.82	19.10	18.80	20.5	0.5
100	PI/2 BPSK	135	69	19.26	19.43	19.20	21.0	0.0
100	PI/2 BPSK	135	138	18.92	19.11	18.87	20.5	0.5
100	PI/2 BPSK	270	0	18.86	18.88	18.85		
100	QPSK	1	1	19.43	19.49	19.41	21.0	0.0
100	QPSK	1	137	19.37	19.42	19.36		
100	QPSK	1	271	19.37	19.47	19.41		
100	QPSK	135	0	19.36	19.31	19.32	21.0	0.0
100	QPSK	135	69	19.41	19.39	19.27		
100	QPSK	135	138	19.39	19.31	19.29		
100	QPSK	270	0	18.33	18.46	18.35	20.0	1.0
100	16QAM	1	1	18.17	18.19	18.12	20.0	1.0
100	64QAM	1	1	16.79	16.79	16.72	18.5	2.5
100	256QAM	1	1	15.35	15.38	15.17	16.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.39	19.45	19.39	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.44	19.46	19.29	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.37	19.30	19.25	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.39	19.33	19.25	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.38	19.35	19.33	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.37	19.46	19.36	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	19.24	19.32	19.39	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.29	19.43	19.24	21.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.23	19.42	19.24	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.33	19.40	19.35	21.0	0.0

Part27O n78 Ant 2 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.46		21.0	0.0
100	PI/2 BPSK	1	137		19.27			
100	PI/2 BPSK	1	271		19.43			
100	PI/2 BPSK	135	0		18.92		20.5	0.5
100	PI/2 BPSK	135	69		19.35		21.0	0.0
100	PI/2 BPSK	135	138		18.89		20.5	0.5
100	PI/2 BPSK	270	0		18.98			
100	QPSK	1	1		19.48		21.0	0.0
100	QPSK	1	137		19.28			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.45		21.0	0.0
100	QPSK	135	69		19.42			
100	QPSK	135	138		19.32			
100	QPSK	270	0		18.37		20.0	1.0
100	16QAM	1	1		18.17		20.0	1.0
100	64QAM	1	1		16.79		18.5	2.5
100	256QAM	1	1		15.49		16.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.27	19.46	19.26	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.16	19.32	19.14	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.09	19.43	19.20	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.10	19.25	19.09	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.28	19.34	19.17	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.10	19.31	19.09	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	19.08	19.28	19.19	21.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.15	19.28	19.20	21.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.27	19.41	19.28	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.20	19.31	19.12	21.0	0.0

n41 Ant 4 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				505202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.67	13.80	13.76	15.0	0.0
100	PI/2 BPSK	1	137	13.58	13.75	13.78		
100	PI/2 BPSK	1	271	13.72	13.70	13.65		
100	PI/2 BPSK	135	0	13.64	13.81	13.72	15.0	0.0
100	PI/2 BPSK	135	69	13.68	13.60	13.68	15.0	0.0
100	PI/2 BPSK	135	138	13.67	13.69	13.56	15.0	0.0
100	PI/2 BPSK	270	0	13.68	13.75	13.60		
100	QPSK	1	1	13.69	13.89	13.75	15.0	0.0
100	QPSK	1	137	13.61	13.79	13.72		
100	QPSK	1	271	13.68	13.73	13.61		
100	QPSK	135	0	13.79	13.63	13.79	15.0	0.0
100	QPSK	135	69	13.52	13.76	13.55	15.0	0.0
100	QPSK	135	138	13.67	13.70	13.68	15.0	0.0
100	QPSK	270	0	13.68	13.73	13.61		
100	16QAM	1	1	13.79	13.63	13.79	15.0	0.0
100	64QAM	1	1	13.52	13.76	13.55	15.0	0.0
100	256QAM	1	1	13.67	13.70	13.68	15.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	13.58	13.79	13.62	15.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.58	13.76	13.67	15.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	13.63	13.81	13.61	15.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	13.55	13.77	13.64	15.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	13.63	13.82	13.68	15.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	13.62	13.75	13.66	15.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	13.69	13.80	13.75	15.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.57	13.74	13.64	15.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	1	13.62	13.81	13.60	15.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	1	13.60	13.77	13.69	15.0	0.0

Part27O n77 Ant 5 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.31	15.39	15.32	17.0	0.0
100	PI/2 BPSK	1	137	15.13	15.37	15.36		
100	PI/2 BPSK	1	271	15.31	15.34	15.26		
100	PI/2 BPSK	135	0	15.28	15.37	15.28	17.0	0.0
100	PI/2 BPSK	135	69	15.23	15.17	15.28	17.0	0.0
100	PI/2 BPSK	135	138	15.24	15.31	15.19	17.0	0.0
100	PI/2 BPSK	270	0	15.28	15.34	15.24		
100	QPSK	1	1	15.31	15.51	15.38	17.0	0.0
100	QPSK	1	137	15.23	15.34	15.28		
100	QPSK	1	271	15.25	15.29	15.19		
100	QPSK	135	0	15.43	15.21	15.43	17.0	0.0
100	QPSK	135	69	15.09	15.38	15.12	17.0	0.0
100	QPSK	135	138	15.29	15.32	15.28	17.0	0.0
100	QPSK	270	0	15.28	15.32	15.26		
100	16QAM	1	1	15.36	15.28	15.39	17.0	0.0
100	64QAM	1	1	15.13	15.39	15.13	17.0	0.0
100	256QAM	1	1	15.24	15.35	15.25	17.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	15.18	15.37	15.30	17.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	15.25	15.41	15.24	17.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	15.18	15.42	15.29	17.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	15.18	15.46	15.30	17.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	15.25	15.37	15.25	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	15.25	15.42	15.27	17.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	15.18	15.39	15.29	17.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	15.24	15.40	15.33	17.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	15.19	15.45	15.26	17.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	15.21	15.46	15.31	17.0	0.0

Part27O n78 Ant 5 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.29		17.0	0.0
100	PI/2 BPSK	1	137		15.24			
100	PI/2 BPSK	1	271		15.20			
100	PI/2 BPSK	135	0		15.31		17.0	0.0
100	PI/2 BPSK	135	69		15.04		17.0	0.0
100	PI/2 BPSK	135	138		15.18		17.0	0.0
100	PI/2 BPSK	270	0		15.26			
100	QPSK	1	1		15.40		17.0	0.0
100	QPSK	1	137		15.22			
100	QPSK	1	271		15.18			
100	QPSK	135	0		15.10		17.0	0.0
100	QPSK	135	69		15.31		17.0	0.0
100	QPSK	135	138		15.23		17.0	0.0
100	QPSK	270	0		15.23			
100	16QAM	1	1		15.16		17.0	0.0
100	64QAM	1	1		15.29		17.0	0.0
100	256QAM	1	1		15.21		17.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	15.34	15.35	15.30	17.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	15.30	15.32	15.30	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	15.28	15.31	15.29	17.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	15.29	15.33	15.26	17.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	15.35	15.34	15.27	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	15.31	15.30	15.27	17.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	15.27	15.36	15.27	17.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	15.34	15.31	15.28	17.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	15.36	15.33	15.30	17.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	15.28	15.38	15.29	17.0	0.0

Part27O n77 Ant 7 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.49	18.60	18.61	19.5	0.0
100	PI/2 BPSK	1	137	18.44	18.51	18.59		
100	PI/2 BPSK	1	271	18.57	18.48	18.47		
100	PI/2 BPSK	135	0	18.44	18.68	18.57	19.5	0.0
100	PI/2 BPSK	135	69	18.46	18.43	18.49	19.5	0.0
100	PI/2 BPSK	135	138	18.48	18.48	18.34	19.5	0.0
100	PI/2 BPSK	270	0	18.50	18.61	18.43		
100	QPSK	1	1	18.51	18.70	18.58	19.5	0.0
100	QPSK	1	137	18.37	18.62	18.51		
100	QPSK	1	271	18.54	18.54	18.39		
100	QPSK	135	0	18.60	18.40	18.58	19.5	0.0
100	QPSK	135	69	18.28	18.51	18.38	19.5	0.0
100	QPSK	135	138	18.43	18.50	18.50	19.5	0.0
100	QPSK	270	0	18.45	18.51	18.41		
100	16QAM	1	1	18.40	18.40	18.26	19.5	0.0
100	64QAM	1	1	16.74	16.90	16.81	18.0	1.5
100	256QAM	1	1	15.27	15.45	15.33	16.0	3.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.43	18.60	18.51	19.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.43	18.59	18.45	19.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.44	18.60	18.49	19.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.37	18.58	18.49	19.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.36	18.61	18.51	19.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.40	18.58	18.43	19.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.43	18.61	18.52	19.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.46	18.55	18.52	19.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.37	18.62	18.53	19.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.41	18.56	18.53	19.5	0.0

Part27O n78 Ant 7 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.55		19.5	0.0
100	PI/2 BPSK	1	137		18.56			
100	PI/2 BPSK	1	271		18.52			
100	PI/2 BPSK	135	0		18.54		19.5	0.0
100	PI/2 BPSK	135	69		18.36		19.5	0.0
100	PI/2 BPSK	135	138		18.61		19.5	0.0
100	PI/2 BPSK	270	0		18.56			
100	QPSK	1	1		18.69		19.5	0.0
100	QPSK	1	137		18.67			
100	QPSK	1	271		18.62			
100	QPSK	135	0		18.46		19.5	0.0
100	QPSK	135	69		18.46		19.5	0.0
100	QPSK	135	138		18.53		19.5	0.0
100	QPSK	270	0		18.60			
100	16QAM	1	1		18.42		19.5	0.0
100	64QAM	1	1		16.99		18.0	1.5
100	256QAM	1	1		15.60		16.0	3.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.60	18.61	18.51	19.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.53	18.60	18.55	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.60	18.56	18.50	19.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.53	18.55	18.47	19.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.50	18.63	18.53	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.50	18.55	18.52	19.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.59	18.65	18.50	19.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.52	18.63	18.57	19.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.54	18.57	18.48	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.55	18.60	18.52	19.5	0.0

ECI3 Power

Part27O n77 Ant 1 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.35	18.53	18.53	20.0	0.0
100	PI/2 BPSK	1	137	18.46	18.50	18.31		
100	PI/2 BPSK	1	271	18.54	18.60	18.57		
100	PI/2 BPSK	135	0	17.96	18.06	17.86	19.5	0.5
100	PI/2 BPSK	135	69	18.41	18.58	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.21	18.18	18.16	19.5	0.5
100	PI/2 BPSK	270	0	18.22	18.24	18.26		
100	QPSK	1	1	18.49	18.79	18.65	20.0	0.0
100	QPSK	1	137	18.60	18.60	18.59		
100	QPSK	1	271	18.57	18.55	18.57		
100	QPSK	135	0	18.56	18.67	18.55	20.0	0.0
100	QPSK	135	69	18.44	18.50	18.48		
100	QPSK	135	138	18.41	18.58	18.38		
100	QPSK	270	0	17.78	17.82	17.55	19.0	1.0
100	16QAM	1	1	17.33	17.36	17.31	19.0	1.0
100	64QAM	1	1	15.82	15.96	15.83	17.5	2.5
100	256QAM	1	1	14.30	14.51	14.50	15.5	4.5
Channel				649667	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.22	18.21	18.18	20.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.22	18.23	18.24	20.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.46	18.61	18.60	20.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.60	18.64	18.55	20.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.53	18.59	18.57	20.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.52	18.54	18.56	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.60	18.64	18.59	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.57	18.70	18.58	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.55	18.69	18.58	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.59	18.65	18.55	20.0	0.0

Part27O n78 Ant 1 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.36		20.0	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.35			
100	PI/2 BPSK	135	0		17.90		19.5	0.5
100	PI/2 BPSK	135	69		18.41		20.0	0.0
100	PI/2 BPSK	135	138		17.85		19.5	0.5
100	PI/2 BPSK	270	0		17.81			
100	QPSK	1	1		18.42		20.0	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.37			
100	QPSK	135	0		18.22		20.0	0.0
100	QPSK	135	69		18.32			
100	QPSK	135	138		18.34			
100	QPSK	270	0		17.31		19.0	1.0
100	16QAM	1	1		17.24		19.0	1.0
100	64QAM	1	1		15.79		17.5	2.5
100	256QAM	1	1		14.49		15.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.35	18.39	18.22	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.22	18.30	18.04	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.32	18.27	18.23	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.32	18.34	18.19	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.22	18.25	18.22	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.33	18.35	18.04	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.37	18.17	18.21	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.14	18.25	18.02	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.32	18.35	18.09	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.21	18.29	18.18	20.0	0.0

Part27O n77 Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.67	16.70	16.72	18.0	0.0
100	PI/2 BPSK	1	137	16.57	16.58	16.63		
100	PI/2 BPSK	1	271	16.51	16.69	16.50		
100	PI/2 BPSK	135	0	16.59	16.78	16.54	18.0	0.0
100	PI/2 BPSK	135	69	16.68	16.68	16.58	18.0	0.0
100	PI/2 BPSK	135	138	16.67	16.76	16.52	18.0	0.0
100	PI/2 BPSK	270	0	16.73	16.81	16.68		
100	QPSK	1	1	16.61	16.89	16.52	18.0	0.0
100	QPSK	1	137	16.56	16.81	16.69		
100	QPSK	1	271	16.63	16.66	16.65		
100	QPSK	135	0	16.66	16.73	16.64	18.0	0.0
100	QPSK	135	69	16.56	16.79	16.53		
100	QPSK	135	138	16.57	16.78	16.68		
100	QPSK	270	0	16.70	16.70	16.66	18.0	0.0
100	16QAM	1	1	16.73	16.67	16.68	18.0	0.0
100	64QAM	1	1	16.64	16.59	16.60	18.0	0.0
100	256QAM	1	1	15.05	15.04	14.92	16.5	1.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	16.64	16.58	16.57	18.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	16.59	16.72	16.67	18.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	16.69	16.72	16.66	18.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	16.59	16.61	16.73	18.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	16.70	16.59	16.50	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	16.58	16.78	16.59	18.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	16.56	16.77	16.54	18.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	16.60	16.74	16.70	18.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	16.65	16.59	16.59	18.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	16.74	16.71	16.68	18.0	0.0

Part27O n78 Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.41		18.0	0.0
100	PI/2 BPSK	1	137		16.16			
100	PI/2 BPSK	1	271		16.39			
100	PI/2 BPSK	135	0		16.31		18.0	0.0
100	PI/2 BPSK	135	69		16.43		18.0	0.0
100	PI/2 BPSK	135	138		16.45		18.0	0.0
100	PI/2 BPSK	270	0		16.55			
100	QPSK	1	1		16.61		18.0	0.0
100	QPSK	1	137		16.16			
100	QPSK	1	271		16.44			
100	QPSK	135	0		16.44		18.0	0.0
100	QPSK	135	69		16.40			
100	QPSK	135	138		16.22			
100	QPSK	270	0		16.15		18.0	0.0
100	16QAM	1	1		15.24		18.0	0.0
100	64QAM	1	1		15.22		18.0	0.0
100	256QAM	1	1		14.01		16.5	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.46	16.41	16.59	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.55	16.45	16.53	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.45	16.57	16.52	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.42	16.44	16.43	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.56	16.57	16.41	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	16.42	16.40	16.53	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	16.44	16.52	16.47	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	16.45	16.41	16.44	18.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	16.41	16.57	16.59	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	16.54	16.52	16.41	18.0	0.0

n41 Ant 4 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	528000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.18	14.31	14.31	15.5	0.0
100	PI/2 BPSK	1	137	14.11	14.23	14.35		
100	PI/2 BPSK	1	271	14.29	14.23	14.12		
100	PI/2 BPSK	135	0	14.16	14.33	14.19	15.5	0.0
100	PI/2 BPSK	135	69	14.15	14.11	14.21	15.5	0.0
100	PI/2 BPSK	135	138	14.19	14.15	14.10	15.5	0.0
100	PI/2 BPSK	270	0	14.19	14.26	14.11		
100	QPSK	1	1	14.31	14.40	14.33	15.5	0.0
100	QPSK	1	137	14.12	14.32	14.28		
100	QPSK	1	271	14.23	14.26	14.10		
100	QPSK	135	0	14.26	14.11	14.33	15.5	0.0
100	QPSK	135	69	14.04	14.29	14.10		
100	QPSK	135	138	14.20	14.22	14.18		
100	QPSK	270	0	14.14	14.19	14.09	15.5	0.0
100	16QAM	1	1	14.29	14.38	14.33	15.5	0.0
100	64QAM	1	1	14.01	14.22	14.05	15.5	0.0
100	256QAM	1	1	14.20	14.24	14.25	15.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	14.16	14.33	14.24	15.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	14.23	14.30	14.28	15.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	14.21	14.34	14.18	15.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	14.23	14.37	14.22	15.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	14.24	14.30	14.26	15.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	14.27	14.31	14.23	15.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	14.18	14.30	14.24	15.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	14.23	14.31	14.26	15.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	1	14.26	14.33	14.24	15.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	1	14.26	14.32	14.21	15.5	0.0

Part27O n77 Ant 7 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.47	17.63	17.60	18.5	0.0
100	PI/2 BPSK	1	137	17.40	17.58	17.62		
100	PI/2 BPSK	1	271	17.56	17.55	17.48		
100	PI/2 BPSK	135	0	17.42	17.67	17.52	18.5	0.0
100	PI/2 BPSK	135	69	17.40	17.46	17.47	18.5	0.0
100	PI/2 BPSK	135	138	17.50	17.49	17.42	18.5	0.0
100	PI/2 BPSK	270	0	17.44	17.59	17.37		
100	QPSK	1	1	17.63	17.74	17.66	18.5	0.0
100	QPSK	1	137	17.40	17.67	17.63		
100	QPSK	1	271	17.53	17.51	17.45		
100	QPSK	135	0	17.57	17.43	17.69	18.5	0.0
100	QPSK	135	69	17.34	17.64	17.39	18.5	0.0
100	QPSK	135	138	17.56	17.57	17.52	18.5	0.0
100	QPSK	270	0	17.44	17.46	17.42		
100	16QAM	1	1	17.63	17.69	17.67	18.5	0.0
100	64QAM	1	1	16.74	16.90	16.81	18.0	0.5
100	256QAM	1	1	15.27	15.45	15.33	16.0	2.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	17.58	17.68	17.59	18.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	17.56	17.62	17.61	18.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	17.52	17.61	17.57	18.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	17.58	17.66	17.53	18.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	17.52	17.60	17.61	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	17.50	17.64	17.52	18.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	17.56	17.71	17.53	18.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	17.58	17.60	17.57	18.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	17.61	17.70	17.54	18.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	17.58	17.68	17.61	18.5	0.0

Part27O n78 Ant 7 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		17.52		18.5	0.0
100	PI/2 BPSK	1	137		17.43			
100	PI/2 BPSK	1	271		17.35			
100	PI/2 BPSK	135	0		17.51		18.5	0.0
100	PI/2 BPSK	135	69		17.26		18.5	0.0
100	PI/2 BPSK	135	138		17.31		18.5	0.0
100	PI/2 BPSK	270	0		17.34			
100	QPSK	1	1		17.57		18.5	0.0
100	QPSK	1	137		17.46			
100	QPSK	1	271		17.28			
100	QPSK	135	0		17.20		18.5	0.0
100	QPSK	135	69		17.40		18.5	0.0
100	QPSK	135	138		17.43		18.5	0.0
100	QPSK	270	0		17.33			
100	16QAM	1	1		17.51		18.5	0.0
100	64QAM	1	1		16.99		18.0	0.5
100	256QAM	1	1		15.60		16.0	2.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	17.42	17.51	17.45	18.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	17.41	17.48	17.43	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	17.39	17.44	17.38	18.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	17.46	17.51	17.43	18.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	17.40	17.48	17.39	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	17.48	17.52	17.38	18.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	17.46	17.49	17.38	18.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	17.41	17.50	17.46	18.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	17.40	17.50	17.39	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	17.44	17.45	17.42	18.5	0.0

Part27O n77 Ant 5 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.28	15.48	15.50	17.0	0.0
100	PI/2 BPSK	1	137	15.32	15.42	15.58		
100	PI/2 BPSK	1	271	15.53	15.49	15.31		
100	PI/2 BPSK	135	0	15.35	15.52	15.33	17.0	0.0
100	PI/2 BPSK	135	69	15.31	15.36	15.44	17.0	0.0
100	PI/2 BPSK	135	138	15.44	15.35	15.26	17.0	0.0
100	PI/2 BPSK	270	0	15.31	15.36	15.27		
100	QPSK	1	1	15.52	15.60	15.52	17.0	0.0
100	QPSK	1	137	15.30	15.56	15.47		
100	QPSK	1	271	15.50	15.45	15.25		
100	QPSK	135	0	15.51	15.30	15.57	17.0	0.0
100	QPSK	135	69	15.30	15.49	15.30	17.0	0.0
100	QPSK	135	138	15.35	15.37	15.37	17.0	0.0
100	QPSK	270	0	15.27	15.40	15.24		
100	16QAM	1	1	15.53	15.56	15.52	17.0	0.0
100	64QAM	1	1	15.29	15.45	15.25	17.0	0.0
100	256QAM	1	1	15.43	15.48	15.45	17.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	15.41	15.46	15.28	17.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	15.50	15.56	15.55	17.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	15.28	15.49	15.44	17.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	15.50	15.48	15.24	17.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	15.49	15.31	15.52	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	15.34	15.52	15.27	17.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	15.29	15.40	15.35	17.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	15.32	15.41	15.25	17.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	15.55	15.55	15.54	17.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	15.32	15.44	15.27	17.0	0.0

Part27O n78 Ant 5 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.31		17.0	0.0
100	PI/2 BPSK	1	137		15.26			
100	PI/2 BPSK	1	271		15.25			
100	PI/2 BPSK	135	0		15.36		17.0	0.0
100	PI/2 BPSK	135	69		15.06		17.0	0.0
100	PI/2 BPSK	135	138		15.15		17.0	0.0
100	PI/2 BPSK	270	0		15.21			
100	QPSK	1	1		15.39		17.0	0.0
100	QPSK	1	137		15.26			
100	QPSK	1	271		15.30			
100	QPSK	135	0		15.12		17.0	0.0
100	QPSK	135	69		15.29		17.0	0.0
100	QPSK	135	138		15.16		17.0	0.0
100	QPSK	270	0		15.27			
100	16QAM	1	1		15.36		17.0	0.0
100	64QAM	1	1		15.32		17.0	0.0
100	256QAM	1	1		15.27		17.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	15.33	15.32	15.34	17.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	15.21	15.24	15.25	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3720	3765		
70	PI/2 BPSK	1	1	15.24	15.21	15.20	17.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	15.22	15.21	15.22	17.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	15.20	15.21	15.23	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	15.22	15.18	15.25	17.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	15.19	15.20	15.22	17.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	15.21	15.23	15.22	17.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	15.25	15.21	15.23	17.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	15.20	15.18	15.25	17.0	0.0

ECI6 Power

Part27O n77 Ant 1 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.35	18.53	18.53	20.0	0.0
100	PI/2 BPSK	1	137	18.46	18.50	18.31		
100	PI/2 BPSK	1	271	18.54	18.60	18.57		
100	PI/2 BPSK	135	0	17.96	18.06	17.86	19.5	0.5
100	PI/2 BPSK	135	69	18.41	18.58	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.21	18.18	18.16	19.5	0.5
100	PI/2 BPSK	270	0	18.22	18.24	18.26		
100	QPSK	1	1	18.49	18.79	18.65	20.0	0.0
100	QPSK	1	137	18.60	18.60	18.59		
100	QPSK	1	271	18.57	18.55	18.57		
100	QPSK	135	0	18.56	18.67	18.55	20.0	0.0
100	QPSK	135	69	18.44	18.50	18.48		
100	QPSK	135	138	18.41	18.58	18.38		
100	QPSK	270	0	17.78	17.82	17.55	19.0	1.0
100	16QAM	1	1	17.33	17.36	17.31	19.0	1.0
100	64QAM	1	1	15.82	15.96	15.83	17.5	2.5
100	256QAM	1	1	14.30	14.51	14.50	15.5	4.5
Channel				649667	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.22	18.21	18.18	20.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.22	18.23	18.24	20.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.46	18.61	18.60	20.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.60	18.64	18.55	20.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.53	18.59	18.57	20.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.52	18.54	18.56	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.60	18.64	18.59	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.57	18.70	18.58	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.55	18.69	18.58	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.59	18.65	18.55	20.0	0.0

Part27O n78 Ant 1 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.36		20.0	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.35			
100	PI/2 BPSK	135	0		17.90		19.5	0.5
100	PI/2 BPSK	135	69		18.41		20.0	0.0
100	PI/2 BPSK	135	138		17.85		19.5	0.5
100	PI/2 BPSK	270	0		17.81			
100	QPSK	1	1		18.42		20.0	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.37			
100	QPSK	135	0		18.22		20.0	0.0
100	QPSK	135	69		18.32			
100	QPSK	135	138		18.34			
100	QPSK	270	0		17.31		19.0	1.0
100	16QAM	1	1		17.24		19.0	1.0
100	64QAM	1	1		15.79		17.5	2.5
100	256QAM	1	1		14.49		15.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.35	18.39	18.22	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.22	18.30	18.04	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.32	18.27	18.23	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.32	18.34	18.19	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.22	18.25	18.22	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.33	18.35	18.04	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.37	18.17	18.21	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.14	18.25	18.02	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.32	18.35	18.09	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.21	18.29	18.18	20.0	0.0

Part27O n77 Ant 2 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.22	19.43	19.34	21.0	0.0
100	PI/2 BPSK	1	137	19.22	19.37	19.28		
100	PI/2 BPSK	1	271	19.28	19.38	19.23		
100	PI/2 BPSK	135	0	18.82	19.10	18.80	20.5	0.5
100	PI/2 BPSK	135	69	19.26	19.43	19.20	21.0	0.0
100	PI/2 BPSK	135	138	18.92	19.11	18.87	20.5	0.5
100	PI/2 BPSK	270	0	18.86	18.88	18.85		
100	QPSK	1	1	19.43	19.49	19.41	21.0	0.0
100	QPSK	1	137	19.37	19.42	19.36		
100	QPSK	1	271	19.37	19.47	19.41		
100	QPSK	135	0	19.36	19.31	19.32	21.0	0.0
100	QPSK	135	69	19.41	19.39	19.27		
100	QPSK	135	138	19.39	19.31	19.29		
100	QPSK	270	0	18.33	18.46	18.35	20.0	1.0
100	16QAM	1	1	18.17	18.19	18.12	20.0	1.0
100	64QAM	1	1	16.79	16.79	16.72	18.5	2.5
100	256QAM	1	1	15.35	15.38	15.17	16.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.39	19.45	19.39	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.44	19.46	19.29	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.37	19.30	19.25	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.39	19.33	19.25	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.38	19.35	19.33	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.37	19.46	19.36	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	19.24	19.32	19.39	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.29	19.43	19.24	21.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.23	19.42	19.24	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.33	19.40	19.35	21.0	0.0

Part27O n78 Ant 2 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.46		21.0	0.0
100	PI/2 BPSK	1	137		19.27			
100	PI/2 BPSK	1	271		19.43			
100	PI/2 BPSK	135	0		18.92		20.5	0.5
100	PI/2 BPSK	135	69		19.35		21.0	0.0
100	PI/2 BPSK	135	138		18.89		20.5	0.5
100	PI/2 BPSK	270	0		18.98			
100	QPSK	1	1		19.48		21.0	0.0
100	QPSK	1	137		19.28			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.45		21.0	0.0
100	QPSK	135	69		19.42			
100	QPSK	135	138		19.32			
100	QPSK	270	0		18.37		20.0	1.0
100	16QAM	1	1		18.17		20.0	1.0
100	64QAM	1	1		16.79		18.5	2.5
100	256QAM	1	1		15.49		16.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.27	19.46	19.26	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.16	19.32	19.14	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.09	19.43	19.20	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.10	19.25	19.09	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.28	19.34	19.17	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.10	19.31	19.09	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	19.08	19.28	19.19	21.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.15	19.28	19.20	21.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.27	19.41	19.28	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.20	19.31	19.12	21.0	0.0

n41 Ant 4 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				505202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.07	18.22	18.20	19.5	0.0
100	PI/2 BPSK	1	137	18.01	18.12	18.10		
100	PI/2 BPSK	1	271	18.17	18.15	18.07		
100	PI/2 BPSK	135	0	18.04	18.23	18.09	19.5	0.0
100	PI/2 BPSK	135	69	18.03	18.01	18.14	19.5	0.0
100	PI/2 BPSK	135	138	18.12	18.05	18.04	19.5	0.0
100	PI/2 BPSK	270	0	18.14	18.20	17.96		
100	QPSK	1	1	18.22	18.29	18.24	19.5	0.0
100	QPSK	1	137	18.07	18.20	18.22		
100	QPSK	1	271	18.13	18.13	18.04		
100	QPSK	135	0	18.18	18.07	18.26	19.5	0.0
100	QPSK	135	69	18.00	18.24	17.97	19.5	0.0
100	QPSK	135	138	18.07	18.11	18.09	19.5	0.0
100	QPSK	270	0	18.07	18.11	17.97		
100	16QAM	1	1	18.15	18.25	18.20	19.5	0.0
100	64QAM	1	1	17.92	18.15	17.94	19.5	0.0
100	256QAM	1	1	17.95	18.05	17.83	18.5	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.11	18.26	18.18	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.16	18.24	18.13	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	18.09	18.16	18.12	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.11	18.15	18.10	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.15	18.22	18.10	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.07	18.24	18.09	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	18.11	18.16	18.15	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.10	18.19	18.13	19.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	1	18.12	18.17	18.17	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	1	18.15	18.23	18.15	19.5	0.0

Part27O n77 Ant 5 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.90	19.00	18.98	20.5	0.0
100	PI/2 BPSK	1	137	18.84	18.92	19.00		
100	PI/2 BPSK	1	271	19.01	18.96	18.88		
100	PI/2 BPSK	135	0	18.90	19.05	18.95	20.5	0.0
100	PI/2 BPSK	135	69	18.79	18.83	18.93	20.5	0.0
100	PI/2 BPSK	135	138	18.91	18.90	18.81	20.5	0.0
100	PI/2 BPSK	270	0	18.89	18.95	18.90		
100	QPSK	1	1	18.96	19.08	18.99	20.5	0.0
100	QPSK	1	137	18.91	19.05	18.92		
100	QPSK	1	271	18.96	19.00	18.82		
100	QPSK	135	0	18.93	18.80	19.00	20.5	0.0
100	QPSK	135	69	18.73	19.00	18.83	20.5	0.0
100	QPSK	135	138	18.90	18.94	18.91	20.5	0.0
100	QPSK	270	0	18.83	18.87	18.79		
100	16QAM	1	1	18.97	19.01	18.95	20.5	0.0
100	64QAM	1	1	18.68	18.80	18.77	20.5	0.0
100	256QAM	1	1	17.84	17.81	17.85	19.5	1.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.92	18.91	18.94	20.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.78	18.77	18.84	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.83	18.79	18.83	20.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.81	18.79	18.83	20.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.81	18.82	18.81	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.82	18.83	18.85	20.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.81	18.80	18.83	20.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.84	18.81	18.82	20.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.83	18.82	18.82	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.78	18.83	18.81	20.5	0.0

Part27O n78 Ant 5 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.82		20.5	0.0
100	PI/2 BPSK	1	137		18.82			
100	PI/2 BPSK	1	271		18.71			
100	PI/2 BPSK	135	0		18.85		20.5	0.0
100	PI/2 BPSK	135	69		18.61		20.5	0.0
100	PI/2 BPSK	135	138		18.67		20.5	0.0
100	PI/2 BPSK	270	0		18.65			
100	QPSK	1	1		18.92		20.5	0.0
100	QPSK	1	137		18.85			
100	QPSK	1	271		18.76			
100	QPSK	135	0		18.64		20.5	0.0
100	QPSK	135	69		18.87		20.5	0.0
100	QPSK	135	138		18.76		20.5	0.0
100	QPSK	270	0		18.62			
100	16QAM	1	1		18.83		20.5	0.0
100	64QAM	1	1		18.53		20.5	0.0
100	256QAM	1	1		17.59		19.5	1.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.52	18.54	18.54	20.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.51	18.52	18.51	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.53	18.54	18.50	20.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.51	18.54	18.55	20.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.51	18.54	18.52	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.52	18.50	18.50	20.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.52	18.54	18.53	20.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.51	18.51	18.50	20.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.52	18.52	18.56	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.51	18.51	18.52	20.5	0.0

Part27O n77 Ant 7 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.47	19.55	19.32	20.5	0.0
100	PI/2 BPSK	1	137	19.55	19.46	19.42		
100	PI/2 BPSK	1	271	19.37	19.41	19.24		
100	PI/2 BPSK	135	0	18.97	19.18	18.87	20.0	0.5
100	PI/2 BPSK	135	69	19.44	19.41	19.40	20.5	0.0
100	PI/2 BPSK	135	138	19.09	19.00	18.84	20.0	0.5
100	PI/2 BPSK	270	0	19.17	19.12	18.88		
100	QPSK	1	1	19.56	19.69	19.46	20.5	0.0
100	QPSK	1	137	19.57	19.54	19.41		
100	QPSK	1	271	19.52	19.52	19.30		
100	QPSK	135	0	19.43	19.41	19.37	20.5	0.0
100	QPSK	135	69	19.57	19.40	19.29		
100	QPSK	135	138	19.47	19.51	19.30		
100	QPSK	270	0	18.46	18.52	18.51	19.5	1.0
100	16QAM	1	1	18.40	18.40	18.26	19.5	1.0
100	64QAM	1	1	16.74	16.90	16.81	18.0	2.5
100	256QAM	1	1	15.27	15.45	15.33	16.0	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.40	19.41	19.47	20.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.45	19.39	19.43	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.43	19.51	19.31	20.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.48	19.58	19.27	20.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.56	19.56	19.34	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.36	19.42	19.45	20.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	19.42	19.50	19.29	20.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.53	19.42	19.27	20.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.45	19.52	19.43	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.51	19.56	19.38	20.5	0.0

Part27O n78 Ant 7 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.42		20.5	0.0
100	PI/2 BPSK	1	137		19.43			
100	PI/2 BPSK	1	271		19.45			
100	PI/2 BPSK	135	0		19.06		20.0	0.5
100	PI/2 BPSK	135	69		19.50		20.5	0.0
100	PI/2 BPSK	135	138		19.21		20.0	0.5
100	PI/2 BPSK	270	0		19.16			
100	QPSK	1	1		19.63		20.5	0.0
100	QPSK	1	137		19.58			
100	QPSK	1	271		19.56			
100	QPSK	135	0		19.62		20.5	0.0
100	QPSK	135	69		19.45			
100	QPSK	135	138		19.49			
100	QPSK	270	0		18.55		19.5	1.0
100	16QAM	1	1		18.42		19.5	1.0
100	64QAM	1	1		16.99		18.0	2.5
100	256QAM	1	1		15.60		16.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.58	19.59	19.54	20.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.54	19.53	19.40	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.52	19.53	19.49	20.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.48	19.56	19.48	20.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.50	19.38	19.44	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.52	19.60	19.36	20.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	19.42	19.41	19.38	20.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.54	19.52	19.46	20.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.47	19.53	19.52	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.57	19.50	19.50	20.5	0.0

ECI7 Power

Part27O n77 Ant 1 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.35	18.53	18.53	20.0	0.0
100	PI/2 BPSK	1	137	18.46	18.50	18.31		
100	PI/2 BPSK	1	271	18.54	18.60	18.57		
100	PI/2 BPSK	135	0	17.96	18.06	17.86	19.5	0.5
100	PI/2 BPSK	135	69	18.41	18.58	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.21	18.18	18.16	19.5	0.5
100	PI/2 BPSK	270	0	18.22	18.24	18.26		
100	QPSK	1	1	18.49	18.79	18.65	20.0	0.0
100	QPSK	1	137	18.60	18.60	18.59		
100	QPSK	1	271	18.57	18.55	18.57		
100	QPSK	135	0	18.56	18.67	18.55	20.0	0.0
100	QPSK	135	69	18.44	18.50	18.48		
100	QPSK	135	138	18.41	18.58	18.38		
100	QPSK	270	0	17.78	17.82	17.55	19.0	1.0
100	16QAM	1	1	17.33	17.36	17.31	19.0	1.0
100	64QAM	1	1	15.82	15.96	15.83	17.5	2.5
100	256QAM	1	1	14.30	14.51	14.50	15.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.22	18.21	18.18	20.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.22	18.23	18.24	20.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	18.46	18.61	18.60	20.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	18.60	18.64	18.55	20.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.53	18.59	18.57	20.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.52	18.54	18.56	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	18.60	18.64	18.59	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	18.57	18.70	18.58	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	18.55	18.69	18.58	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	18.59	18.65	18.55	20.0	0.0

Part27O n78 Ant 1 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.36		20.0	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.35			
100	PI/2 BPSK	135	0		17.90		19.5	0.5
100	PI/2 BPSK	135	69		18.41		20.0	0.0
100	PI/2 BPSK	135	138		17.85		19.5	0.5
100	PI/2 BPSK	270	0		17.81			
100	QPSK	1	1		18.42		20.0	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.37			
100	QPSK	135	0		18.22		20.0	0.0
100	QPSK	135	69		18.32			
100	QPSK	135	138		18.34			
100	QPSK	270	0		17.31		19.0	1.0
100	16QAM	1	1		17.24		19.0	1.0
100	64QAM	1	1		15.79		17.5	2.5
100	256QAM	1	1		14.49		15.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.35	18.39	18.22	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	18.22	18.30	18.04	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	18.32	18.27	18.23	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	18.32	18.34	18.19	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	18.22	18.25	18.22	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	18.33	18.35	18.04	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	18.37	18.17	18.21	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	18.14	18.25	18.02	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	18.32	18.35	18.09	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	18.21	18.29	18.18	20.0	0.0

Part27O n77 Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.86	14.91	14.90	16.0	0.0
100	PI/2 BPSK	1	137	14.76	14.80	14.82		
100	PI/2 BPSK	1	271	14.68	14.90	14.71		
100	PI/2 BPSK	135	0	14.81	15.00	14.76	16.0	0.0
100	PI/2 BPSK	135	69	14.85	14.87	14.76	16.0	0.0
100	PI/2 BPSK	135	138	14.86	14.94	14.75	16.0	0.0
100	PI/2 BPSK	270	0	14.93	15.02	14.90		
100	QPSK	1	1	14.82	15.06	14.73	16.0	0.0
100	QPSK	1	137	14.73	14.99	14.92		
100	QPSK	1	271	14.86	14.89	14.87		
100	QPSK	135	0	14.84	14.93	14.83	16.0	0.0
100	QPSK	135	69	14.79	15.00	14.70		
100	QPSK	135	138	14.75	14.99	14.87		
100	QPSK	270	0	14.90	14.89	14.85	16.0	0.0
100	16QAM	1	1	14.93	14.87	14.87	16.0	0.0
100	64QAM	1	1	14.82	14.78	14.82	16.0	0.0
100	256QAM	1	1	14.75	14.99	14.87	16.0	0.0
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	14.68	14.93	14.84	16.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	14.70	14.92	14.81	16.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	14.72	14.93	14.84	16.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	14.72	14.95	14.80	16.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	14.71	14.93	14.80	16.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	14.69	14.95	14.84	16.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	14.71	14.95	14.82	16.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	14.72	14.91	14.80	16.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	14.71	14.93	14.81	16.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	14.70	14.91	14.81	16.0	0.0

Part27O n78 Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.62		16.0	0.0
100	PI/2 BPSK	1	137		14.38			
100	PI/2 BPSK	1	271		14.60			
100	PI/2 BPSK	135	0		14.48		16.0	0.0
100	PI/2 BPSK	135	69		14.61		16.0	0.0
100	PI/2 BPSK	135	138		14.62		16.0	0.0
100	PI/2 BPSK	270	0		14.75			
100	QPSK	1	1		14.82		16.0	0.0
100	QPSK	1	137		14.38			
100	QPSK	1	271		14.63			
100	QPSK	135	0		14.64		16.0	0.0
100	QPSK	135	69		14.61			
100	QPSK	135	138		14.45			
100	QPSK	270	0		14.36		16.0	0.0
100	16QAM	1	1		13.43		16.0	0.0
100	64QAM	1	1		13.39		16.0	0.0
100	256QAM	1	1		14.01		16.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	14.62	14.59	14.60	16.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	14.53	14.53	14.51	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	14.57	14.56	14.57	16.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	14.56	14.51	14.57	16.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	14.54	14.56	14.53	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	14.54	14.55	14.56	16.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	14.56	14.52	14.53	16.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	14.56	14.50	14.52	16.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	14.58	14.52	14.57	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	14.55	14.54	14.51	16.0	0.0

n41 Ant 4 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	10.11	10.26	10.16	11.0	0.0
100	PI/2 BPSK	1	137	10.10	10.12	10.19		
100	PI/2 BPSK	1	271	10.20	10.15	10.09		
100	PI/2 BPSK	135	0	10.06	10.19	10.07	11.0	0.0
100	PI/2 BPSK	135	69	9.99	10.06	10.12	11.0	0.0
100	PI/2 BPSK	135	138	10.14	10.07	10.02	11.0	0.0
100	PI/2 BPSK	270	0	10.03	10.16	9.99		
100	QPSK	1	1	10.18	10.39	10.29	11.0	0.0
100	QPSK	1	137	10.03	10.21	10.23		
100	QPSK	1	271	10.07	10.12	9.94		
100	QPSK	135	0	10.19	10.09	10.24	11.0	0.0
100	QPSK	135	69	9.93	10.16	10.03		
100	QPSK	135	138	10.09	10.09	10.07		
100	QPSK	270	0	10.07	10.06	9.97	11.0	0.0
100	16QAM	1	1	10.16	10.34	10.24	11.0	0.0
100	64QAM	1	1	9.92	10.08	9.94	11.0	0.0
100	256QAM	1	1	10.09	10.09	10.17	11.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	10.00	10.01	10.09	11.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	10.01	10.01	10.08	11.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	10.00	10.00	10.09	11.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	10.01	10.00	10.09	11.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	10.00	10.00	10.09	11.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	10.00	10.00	10.09	11.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	10.01	10.01	10.08	11.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	10.01	10.01	10.08	11.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	1	10.01	10.00	10.08	11.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	1	10.00	10.01	10.09	11.0	0.0

Part27O n77 Ant 5 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	13.29	13.51	13.47	15.0	0.0
100	PI/2 BPSK	1	137	13.29	13.43	13.56		
100	PI/2 BPSK	1	271	13.52	13.49	13.29		
100	PI/2 BPSK	135	0	13.38	13.50	13.35	15.0	0.0
100	PI/2 BPSK	135	69	13.32	13.34	13.47	15.0	0.0
100	PI/2 BPSK	135	138	13.43	13.37	13.25	15.0	0.0
100	PI/2 BPSK	270	0	13.34	13.38	13.26		
100	QPSK	1	1	13.54	13.62	13.55	15.0	0.0
100	QPSK	1	137	13.32	13.55	13.46		
100	QPSK	1	271	13.49	13.45	13.28		
100	QPSK	135	0	13.54	13.28	13.56	15.0	0.0
100	QPSK	135	69	13.31	13.50	13.27	15.0	0.0
100	QPSK	135	138	13.32	13.37	13.37	15.0	0.0
100	QPSK	270	0	13.30	13.42	13.23		
100	16QAM	1	1	13.54	13.55	13.50	15.0	0.0
100	64QAM	1	1	13.26	13.45	13.24	15.0	0.0
100	256QAM	1	1	13.43	13.45	13.45	15.0	0.0
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	13.40	13.44	13.29	15.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	13.52	13.57	13.55	15.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	13.29	13.51	13.42	15.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	13.47	13.49	13.23	15.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	13.51	13.31	13.53	15.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	13.32	13.53	13.26	15.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	13.31	13.42	13.37	15.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	13.32	13.41	13.23	15.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	13.53	13.55	13.52	15.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	13.31	13.44	13.26	15.0	0.0

Part27O n78 Ant 5 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.31		15.0	0.0
100	PI/2 BPSK	1	137		13.26			
100	PI/2 BPSK	1	271		13.25			
100	PI/2 BPSK	135	0		13.36		15.0	0.0
100	PI/2 BPSK	135	69		13.06		15.0	0.0
100	PI/2 BPSK	135	138		13.15		15.0	0.0
100	PI/2 BPSK	270	0		13.21			
100	QPSK	1	1		13.39		15.0	0.0
100	QPSK	1	137		13.26			
100	QPSK	1	271		13.30			
100	QPSK	135	0		13.12		15.0	0.0
100	QPSK	135	69		13.29		15.0	0.0
100	QPSK	135	138		13.16		15.0	0.0
100	QPSK	270	0		13.27			
100	16QAM	1	1		13.36		15.0	0.0
100	64QAM	1	1		13.32		15.0	0.0
100	256QAM	1	1		13.27		15.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.33	13.32	13.34	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.21	13.24	13.25	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	13.24	13.21	13.20	15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	13.22	13.21	13.22	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	13.20	13.21	13.23	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	13.22	13.18	13.25	15.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	13.19	13.20	13.22	15.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.21	13.23	13.22	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.25	13.21	13.23	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.20	13.18	13.25	15.0	0.0

Part27O n77 Ant 7 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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.64	15.82	15.83	16.5	0.0
100	PI/2 BPSK	1	137	15.60	15.77	15.81		
100	PI/2 BPSK	1	271	15.78	15.75	15.67		
100	PI/2 BPSK	135	0	15.61	15.87	15.73	16.5	0.0
100	PI/2 BPSK	135	69	15.62	15.64	15.66	16.5	0.0
100	PI/2 BPSK	135	138	15.72	15.71	15.65	16.5	0.0
100	PI/2 BPSK	270	0	15.62	15.81	15.54		
100	QPSK	1	1	15.82	15.96	15.83	16.5	0.0
100	QPSK	1	137	15.58	15.87	15.84		
100	QPSK	1	271	15.73	15.70	15.65		
100	QPSK	135	0	15.79	15.63	15.91	16.5	0.0
100	QPSK	135	69	15.54	15.86	15.57	16.5	0.0
100	QPSK	135	138	15.74	15.80	15.73	16.5	0.0
100	QPSK	270	0	15.65	15.65	15.61		
100	16QAM	1	1	15.84	15.91	15.90	16.5	0.0
100	64QAM	1	1	14.93	15.10	15.00	16.5	0.0
100	256QAM	1	1	14.55	14.59	14.61	16.0	0.5
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	14.84	15.06	14.97	16.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	14.90	15.02	14.92	16.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	14.84	15.04	14.96	16.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	14.87	15.03	14.94	16.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	14.85	15.01	14.97	16.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	14.85	15.04	14.91	16.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI/2 BPSK	1	1	14.84	15.01	14.91	16.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	14.84	15.02	14.96	16.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	14.86	15.02	14.97	16.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	14.81	14.86	14.85	16.5	0.0

Part27O n78 Ant 7 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			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.69		16.5	0.0
100	PI/2 BPSK	1	137		15.66			
100	PI/2 BPSK	1	271		15.56			
100	PI/2 BPSK	135	0		15.74		16.5	0.0
100	PI/2 BPSK	135	69		15.44		16.5	0.0
100	PI/2 BPSK	135	138		15.50		16.5	0.0
100	PI/2 BPSK	270	0		15.56			
100	QPSK	1	1		15.80		16.5	0.0
100	QPSK	1	137		15.66			
100	QPSK	1	271		15.45			
100	QPSK	135	0		15.41		16.5	0.0
100	QPSK	135	69		15.62		16.5	0.0
100	QPSK	135	138		15.65		16.5	0.0
100	QPSK	270	0		15.51			
100	16QAM	1	1		15.74		16.5	0.0
100	64QAM	1	1		15.17		16.5	0.0
100	256QAM	1	1		14.85		16.0	0.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	15.70	15.70	15.70	16.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	15.61	15.67	15.63	16.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	15.63	15.63	15.67	16.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	15.61	15.67	15.64	16.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	15.67	15.66	15.66	16.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	15.62	15.65	15.63	16.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI/2 BPSK	1	1	15.64	15.63	15.62	16.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	15.66	15.63	15.65	16.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	15.61	15.64	15.64	16.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	15.67	15.63	15.66	16.5	0.0

Band 41 Ant1 Default

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	22.89	22.91	22.93	22.91	22.85	24	0

Band 41 Ant1 ECI2

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	22.89	22.91	22.93	22.91	22.85	24	0

Band 41 Ant1 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		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.55	20.72	20.95	20.93	20.56	22	0

Band 41 Ant1 ECI7

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	20.55	20.72	20.95	20.93	20.56	22	0

Band 41 Ant1 ECI6

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	21.11	21.19	21.25	21.22	21.19	22.5	0

Band 42 FCC Part27Q Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.22	22.31	22.17	24	0

Band 42 FCC Part27Q Ant5 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.81	15.85	15.84	17.5	0

Band 42 FCC Part27Q Ant5 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.55	15.74	15.69	17.5	0

Band 42 FCC Part27Q Ant5 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	14.46	14.52	14.41	16	0

Band 42 Ant5 FCC Part27Q Ant5 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.97	20.11	20.06	21.5	0

<2.4GHz WLAN>

Ant6				RF Full power Standalone for Extremity Standalone for Body-worn		Standalone for Head		Standalone for Hotspot Simultaneous for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412		20.50		17.50		15.50	100%
		6	2437	18.87	20.50	16.83	17.50		15.50	
		11	2462	19.11	20.50		17.50	14.21	15.50	

<5.2GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head&Hotspot		Standalone for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180		19.50	Not request	15.00	16.57	18.50	100%
		40	5200		19.50		15.00	16.88	18.50	
		44	5220	17.85	19.50		15.00	17.02	18.50	
		48	5240	Not request	19.50		15.00	16.98	18.50	
	802.11n-HT20 MCS0	36	5180		19.00		15.00	Not request	18.50	100%
		40	5200		19.00		15.00		18.50	
		44	5220		19.00		15.00		18.50	
		48	5240		19.00		15.00		18.50	
	802.11n-HT40 MCS0	38	5190		17.00		15.00		17.00	100%
		46	5230		17.00		15.00		17.00	
	802.11ac-VHT20 MCS0	36	5180		19.00		15.00		18.50	100%
		40	5200		19.00		15.00		18.50	
		44	5220		19.00		15.00		18.50	
		48	5240		19.00		15.00		18.50	
	802.11ac-VHT40 MCS0	38	5190		17.00		15.00		17.00	100%
		46	5230		17.00		15.00		17.00	
	802.11ac-VHT80 MCS0	42	5210		15.50	13.49	15.00		15.50	100%

<5.3GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head		Standalone for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260		20.00	Not request	16.00		19.00	100%
		56	5280	18.37	20.00		16.00		19.00	
		60	5300	Not request	20.00		16.00	17.35	19.00	
		64	5320		19.00		16.00		19.00	
	802.11n-HT20 MCS0	52	5260		19.50		16.00	Not request	19.00	100%
		56	5280		19.50		16.00		19.00	
		60	5300		19.50		16.00		19.00	
		64	5320		18.00		16.00		18.00	
	802.11n-HT40 MCS0	54	5270		17.50		16.00		17.50	100%
		62	5310		16.50		16.00		16.50	
	802.11ac-VHT20 MCS0	52	5260		20.00		16.00		19.00	100%
		56	5280		20.00		16.00		19.00	
		60	5300		20.00		16.00		19.00	
		64	5320		18.00		16.00		18.00	
	802.11ac-VHT40 MCS0	54	5270		17.50		16.00		17.50	100%
		62	5310		16.50		16.00		16.50	
	802.11ac-VHT80 MCS0	58	5290		16.50	14.45	16.00		16.50	100%

<5.5GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head		Standalone for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.61	19.00	Not request	17.00	Not request	14.00	100%
		116	5580	Not request	19.00		17.00		14.00	
		124	5620		19.00		17.00		14.00	
		132	5660		19.00		17.00		14.00	
		140	5700		17.00		17.00		14.00	
		144	5720		19.00		17.00		14.00	
	802.11n-HT20 MCS0	100	5500		19.00		17.00		14.00	100%
		116	5580		19.00		17.00		14.00	
		124	5620		19.00		17.00		14.00	
		132	5660		19.00		17.00		14.00	
		140	5700		16.00		16.00		14.00	
		144	5720		19.00		17.00		14.00	
	802.11n-HT40 MCS0	102	5510		17.00		17.00		14.00	100%
		110	5550		17.00		17.00		14.00	
		126	5630		17.00		17.00		14.00	
		134	5670		17.00		17.00		14.00	
		142	5710		17.00	15.57	17.00		14.00	
	802.11ac-VHT20 MCS0	100	5500		19.00	Not request	17.00		14.00	100%
		116	5580		19.00		17.00		14.00	
		124	5620		19.00		17.00		14.00	
		132	5660		19.00		17.00		14.00	
		140	5700		16.00		16.00		14.00	
		144	5720		19.00		17.00		14.00	
	802.11ac-VHT40 MCS0	102	5510		17.00		17.00		14.00	100%
		110	5550		17.00		17.00		14.00	
		126	5630		17.00		17.00		14.00	
		134	5670		17.00		17.00		14.00	
		142	5710		17.00		17.00		14.00	
	802.11ac-VHT80 MCS0	106	5530		15.50		15.50		14.00	100%
		122	5610		15.50		15.50	12.71	14.00	
		138	5690		15.50		15.50	12.74	14.00	

<5.8GHz WLAN>

Ant6				RF Full power Standalone for Head Standalone for Extremity		Standalone for Hotspot		Standalone for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.50	19.00	Not request	11.00	Not request	14.00	100%
		157	5785	17.48	19.00		11.00		14.00	
		165	5825	Not request	19.00		11.00		14.00	
	802.11n-HT20 MCS0	149	5745		18.50		11.00		14.00	100%
		157	5785		18.50		11.00		14.00	
		165	5825		18.50		11.00		14.00	
	802.11n-HT40 MCS0	151	5755		17.00		11.00		14.00	100%
		159	5795		17.00		11.00		14.00	
	802.11ac-VHT20 MCS0	149	5745		18.50		11.00		14.00	100%
		157	5785		18.50		11.00		14.00	
		165	5825		18.50		11.00		14.00	
	802.11ac-VHT40 MCS0	151	5755		17.00		11.00		14.00	100%
		159	5795		17.00		11.00		14.00	
	802.11ac-VHT80 MCS0	155	5775		15.50	9.65	11.00	12.95	14.00	100%

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
BR / EDR	CH 00	2402	14.59
	CH 39	2441	14.64
	CH 78	2480	14.22
Tune-up Limit			15.5