



### Full&Default Power Mode

<GSM>

GSM1900_Ant 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	169	261		126	169	261	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	31.85	31.99	31.80	32.50	22.85	22.99	22.60	23.50
GPRS 1 Tx slot	31.50	31.95	31.76	32.50	22.30	22.85	22.78	23.50
GPRS 2 Tx slots	31.20	31.23	31.12	32.00	25.20	25.23	25.12	28.00
GPRS 3 Tx slots	28.13	28.83	28.09	30.50	25.47	25.57	25.42	28.00
GPRS 4 Tx slots	28.41	28.01	28.47	29.00	25.41	25.81	25.47	28.00
EDGE 1 Tx slot	28.88	28.98	28.91	27.50	17.88	17.98	17.91	18.50
EDGE 2 Tx slots	23.98	23.05	26.03	26.50	19.98	23.05	20.03	20.50
EDGE 3 Tx slots	24.35	24.51	24.41	25.00	20.05	20.25	20.15	20.74
EDGE 4 Tx slots	23.45	23.43	23.40	23.00	20.45	20.43	20.40	20.60

GSM1900_Ant 2 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1824.2	1836.4	1848.8	1824.2	1836.4	1848.8		
GSM 1 Tx slot	29.44	29.59	29.40	30.00	20.44	20.59	20.40	21.00
GPRS 1 Tx slot	29.41	29.57	29.36	30.00	20.41	20.57	20.36	21.00
GPRS 2 Tx slots	28.55	28.98	28.77	29.50	23.98	23.98	22.77	23.50
GPRS 3 Tx slots	26.69	26.70	26.61	27.50	22.40	22.44	22.35	23.24
GPRS 4 Tx slots	26.41	25.51	26.35	28.50	22.41	22.51	22.35	23.50
EDGE 1 Tx slot	25.71	25.71	25.81	26.00	18.71	18.71	18.81	17.80
EDGE 2 Tx slots	24.55	24.78	24.74	26.00	18.55	18.78	18.74	20.00
EDGE 3 Tx slots	22.87	23.01	22.87	24.00	18.71	18.75	18.61	19.74
EDGE 4 Tx slots	21.58	22.04	22.01	23.00	18.98	19.04	19.01	20.00

<WCDMA>

Band TX Channel	WCDMA I_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	9602	9400	9638		1512	1413	1513		4132	4182	4233		
Frequency (MHz)	1824.2	1800	1824.6	1512.4	1412.4	1512.4	1702.6	4132.4	4182.4	4233.4			
SCPP Rel 99	AMR 12.2kops	23.20	22.90	23.32	24.00	23.50	23.55	23.82	24.50	23.00	23.05	23.01	23.50
SCPP Rel 99	RM-C 12.2kops	23.21	22.91	23.35	24.00	23.52	23.57	23.98	24.50	23.05	23.10	23.04	23.50
SCPP Rel 6	HSDPA Subtest-1	22.03	21.82	22.26	23.00	22.47	22.69	22.54	23.00	22.00	22.19	21.99	23.00
SCPP Rel 6	HSDPA Subtest-2	22.06	21.83	22.29	23.00	22.48	22.53	22.55	23.00	22.00	22.25	22.02	22.50
SCPP Rel 6	HSDPA Subtest-3	21.57	21.37	21.85	22.50	22.04	22.15	22.11	22.50	21.55	21.80	21.59	22.00
SCPP Rel 6	HSDPA Subtest-4	21.57	21.35	21.82	22.50	21.97	22.08	22.09	22.50	21.55	21.79	21.51	22.00
SCPP Rel 8	DC-HSDPA Subtest-1	22.00	21.80	22.23	23.00	22.43	22.53	22.53	23.00	21.98	22.16	21.93	23.00
SCPP Rel 8	DC-HSDPA Subtest-2	22.01	21.77	22.17	23.00	22.45	22.50	22.53	23.00	21.96	22.23	22.01	22.50
SCPP Rel 8	DC-HSDPA Subtest-3	21.55	21.31	21.77	22.50	22.05	22.13	22.09	22.50	21.53	21.78	21.55	22.00
SCPP Rel 8	DC-HSDPA Subtest-4	21.33	21.26	21.76	22.50	21.93	22.05	22.06	22.50	21.52	21.75	21.50	22.00
SCPP Rel 6	HSUPA Subtest-1	20.51	20.30	20.52	22.50	20.52	20.59	20.54	22.50	19.99	20.00	20.05	21.50
SCPP Rel 6	HSUPA Subtest-2	19.97	19.87	20.17	21.00	20.54	20.54	20.55	21.00	20.01	20.04	20.10	20.50
SCPP Rel 6	HSUPA Subtest-3	21.02	20.77	21.19	22.00	21.43	21.45	21.42	21.50	21.04	21.00	21.08	21.50
SCPP Rel 6	HSUPA Subtest-4	19.26	19.23	19.70	20.50	20.01	20.06	20.07	20.50	19.60	19.60	19.62	20.50
SCPP Rel 6	HSUPA Subtest-5	21.00	20.70	21.20	22.50	21.60	21.60	21.60	22.50	21.00	21.00	21.10	22.50
SCPP Rel 7	HSPA+ (16QAM) Subtest-1	20.02	20.06	20.12	22.00	20.30	20.44	20.28	22.00	20.00	20.02	20.05	22.00



### Band 2\_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 1890	Power Middle Ch. Freq. 1900	Power High Ch. Freq. 1910	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.10	24.10	24.10	24.5	0
20	QPSK	1	49	24.10	24.10	24.10	24.5	0
20	QPSK	1	99	23.95	24.01	24.00	24.5	0
20	QPSK	10	0	23.11	23.12	23.11	23.5	1
20	QPSK	50	24	23.10	23.07	23.10	23.5	1
20	QPSK	50	50	23.10	23.03	23.05	23.5	1
20	QPSK	100	0	23.10	23.11	23.08	23.5	1
20	16QAM	1	0	23.31	23.41	23.34	23.5	1
20	16QAM	1	49	23.47	23.38	23.28	23.5	1
20	16QAM	50	24	23.26	23.33	23.35	23.5	1
20	16QAM	50	0	22.10	22.08	22.12	22.5	2
20	16QAM	50	50	22.09	22.06	22.13	22.5	2
20	16QAM	100	0	22.05	22.04	22.05	22.5	2
20	16QAM	100	0	22.10	22.08	22.11	22.5	2
20	64QAM	1	49	22.30	22.30	22.28	22.5	2
20	64QAM	1	99	22.11	22.07	22.13	22.5	2
20	64QAM	50	0	21.07	21.09	21.09	21.5	3
20	64QAM	50	24	21.10	21.08	21.13	21.5	3
20	64QAM	50	0	21.07	21.00	21.04	21.5	3
20	64QAM	100	0	21.05	21.07	21.09	21.5	3
20	256QAM	1	0	19.06	19.00	19.05	19.5	5
20	256QAM	1	49	19.09	19.07	19.09	19.5	5
20	256QAM	1	99	18.98	18.97	18.99	19.5	5
20	256QAM	50	0	18.00	18.04	18.09	19.5	5
20	256QAM	50	24	18.07	18.07	18.04	19.5	5
20	256QAM	50	50	18.96	18.92	18.90	19.5	5
20	256QAM	100	0	18.06	18.00	18.02	19.5	5
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.65	18.60	18.62	24.5	0
15	QPSK	1	0	24.04	24.05	24.02	24.5	0
15	QPSK	1	49	23.95	23.92	24.03	24.5	0
15	QPSK	1	74	23.83	23.90	23.91	24.5	0
15	QPSK	36	10	22.94	22.95	22.93	23.5	1
15	QPSK	36	20	22.92	22.95	22.97	23.5	1
15	QPSK	36	30	22.99	22.87	22.89	23.5	1
15	QPSK	36	40	22.98	22.98	22.98	23.5	1
15	16QAM	1	0	23.19	23.32	23.18	23.5	1
15	16QAM	1	37	23.41	23.31	23.15	23.5	1
15	16QAM	1	74	23.10	23.26	23.17	23.5	1
15	16QAM	36	0	21.91	21.98	21.98	22.5	2
15	16QAM	36	20	21.99	21.91	21.98	22.5	2
15	16QAM	36	39	21.91	21.87	21.93	22.5	2
15	16QAM	75	0	22.03	22.00	21.97	22.5	2
15	64QAM	1	0	22.07	22.15	22.11	22.5	2
15	64QAM	1	27	22.11	22.15	22.15	22.5	2
15	64QAM	1	74	22.01	21.98	21.99	22.5	2
15	64QAM	36	0	21.00	21.01	21.00	21.5	3
15	64QAM	36	20	20.91	20.97	20.97	21.5	3
15	64QAM	36	39	20.99	20.99	20.94	21.5	3
15	64QAM	75	0	20.00	20.00	20.00	21.5	3
15	256QAM	1	0	18.90	18.83	18.96	19.5	5
15	256QAM	1	37	18.86	18.90	18.98	19.5	5
15	256QAM	1	74	18.83	18.91	18.91	19.5	5
15	256QAM	36	0	18.91	18.97	18.99	19.5	5
15	256QAM	36	20	18.94	18.98	18.94	19.5	5
15	256QAM	36	39	18.77	18.82	18.87	19.5	5
15	256QAM	75	0	18.86	18.81	18.83	19.5	5
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.65	18.60	18.62	24.5	0
10	QPSK	1	0	23.93	24.04	23.95	24.5	0
10	QPSK	1	49	23.83	23.92	24.03	24.5	0
10	QPSK	1	49	23.82	23.82	23.94	24.5	0
10	QPSK	25	0	23.05	22.97	23.01	23.5	1
10	QPSK	25	0	22.98	23.00	23.01	23.5	1
10	QPSK	25	26	22.94	22.95	22.97	23.5	1
10	QPSK	50	0	23.04	23.02	23.00	23.5	1
10	16QAM	1	0	23.23	23.28	23.27	23.5	1
10	16QAM	1	26	23.35	23.30	23.17	23.5	1
10	16QAM	1	49	23.12	23.17	23.29	23.5	1
10	16QAM	25	0	21.91	21.90	21.98	22.5	2
10	16QAM	25	12	21.93	22.00	22.06	22.5	2
10	16QAM	25	12	21.92	21.90	22.05	22.5	2
10	16QAM	50	0	22.04	21.98	21.94	22.5	2
10	64QAM	1	0	22.15	22.08	22.13	22.5	2
10	64QAM	1	27	22.18	22.18	22.18	22.5	2
10	64QAM	1	49	21.97	21.88	22.08	22.5	2
10	64QAM	25	0	20.95	21.03	20.94	21.5	3
10	64QAM	25	12	20.96	20.99	20.97	21.5	3
10	64QAM	25	26	20.97	20.90	20.95	21.5	3
10	64QAM	50	0	20.98	20.94	20.92	21.5	3
10	256QAM	1	0	18.84	18.85	18.83	19.5	5
10	256QAM	1	26	18.89	18.91	19.02	19.5	5
10	256QAM	1	49	18.90	18.96	18.98	19.5	5
10	256QAM	25	0	18.93	18.94	18.95	19.5	5
10	256QAM	25	12	18.89	18.91	18.86	19.5	5
10	256QAM	25	26	18.79	18.81	18.84	19.5	5
10	256QAM	50	0	18.88	18.84	18.82	19.5	5
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.62	18.60	18.72	24.5	0
5	QPSK	1	0	24.02	24.05	24.02	24.5	0
5	QPSK	1	12	23.94	23.95	23.95	24.5	0
5	QPSK	1	12	23.94	24.01	24.01	24.5	0
5	QPSK	1	24	23.81	23.91	23.91	24.5	0
5	QPSK	12	0	22.98	22.97	23.01	23.5	1
5	QPSK	12	0	22.91	22.91	22.94	23.5	1
5	QPSK	12	13	22.95	22.90	22.95	23.5	1
5	QPSK	25	0	22.94	23.02	22.93	23.5	1
5	16QAM	1	0	23.23	23.26	23.26	23.5	1
5	16QAM	1	12	23.34	23.30	23.10	23.5	1
5	16QAM	1	24	23.17	23.26	23.24	23.5	1
5	16QAM	12	0	22.04	21.93	21.98	22.5	2
5	16QAM	12	7	21.98	21.94	21.94	22.5	2
5	16QAM	12	10	21.90	21.87	21.91	22.5	2
5	16QAM	25	0	22.00	21.97	21.97	22.5	2
5	64QAM	1	0	22.07	22.09	22.13	22.5	2
5	64QAM	1	10	22.24	22.12	22.20	22.5	2
5	64QAM	1	14	21.98	21.92	22.00	22.5	2
5	64QAM	12	0	20.90	21.00	20.91	21.5	3
5	64QAM	12	7	20.98	21.02	20.98	21.5	3
5	64QAM	12	13	20.91	20.84	20.87	21.5	3
5	64QAM	25	0	20.94	20.90	20.93	21.5	3
5	256QAM	1	0	18.89	18.89	18.88	19.5	5
5	256QAM	1	12	18.97	18.98	18.98	19.5	5
5	256QAM	1	24	18.81	18.84	18.93	19.5	5
5	256QAM	12	0	18.91	18.95	18.93	19.5	5
5	256QAM	12	7	18.90	18.84	18.81	19.5	5
5	256QAM	12	13	18.79	18.81	18.84	19.5	5
5	256QAM	25	0	18.93	18.88	18.90	19.5	5
Channel								
Frequency (MHz)								
3	QPSK	1	0	18.61	18.60	18.65	24.5	0
3	QPSK	1	0	24.03	24.05	24.04	24.5	0
3	QPSK	1	8	24.01	23.91	23.95	24.5	0
3	QPSK	1	14	23.96	23.93	23.93	24.5	0
3	QPSK	6	0	22.93	22.93	22.93	23.5	1
3	QPSK	6	4	22.98	22.98	23.00	23.5	1
3	QPSK	15	0	22.94	22.96	22.99	23.5	1
3	QPSK	15	0	22.91	22.91	22.97	23.5	1
3	16QAM	1	0	23.17	23.27	23.17	23.5	1
3	16QAM	1	8	23.41	23.32	23.15	23.5	1
3	16QAM	1	14	23.18	23.24	23.24	23.5	1
3	16QAM	6	0	21.98	22.01	21.91	22.5	2
3	16QAM	6	4	21.91	21.94	21.94	22.5	2
3	16QAM	8	7	21.96	21.85	21.96	22.5	2
3	64QAM	1	0	22.13	22.20	22.21	22.5	2
3	64QAM	1	8	22.19	22.12	22.14	22.5	2
3	64QAM	1	14	21.99	21.92	21.96	22.5	2
3	64QAM	6	0	20.93	20.93	20.90	21.5	3
3	64QAM	6	4	20.94	20.90	20.96	21.5	3
3	64QAM	15	0	20.99	20.91	20.99	21.5	3
3	64QAM	15	0	20.99	20.91	21.02	21.5	3
3	256QAM	1	0	18.90	18.84	18.87	19.5	5
3	256QAM	1	8	18.95	18.98	19.01	19.5	5
3	256QAM	1	14	18.84	18.80	18.84	19.5	5
3	256QAM	6	0	18.91	18.90	19.03	19.5	5
3	256QAM	6	4	18.91	18.83	18.82	19.5	5
3	256QAM	8	7	18.80	18.79	18.85	19.5	5
3	256QAM	15	0	18.92	18.88	18.83	19.5	5
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18.67	18.60	18.65	24.5	0
1.4	QPSK	1	0	24.07	24.00	24.03	24.5	0
1.4	QPSK	1	3	23.94	23.94	23.93	24.5	0
1.4	QPSK	1	3	23.96	23.93	23.93	24.5	0
1.4	QPSK	3	0	23.05	23.79	23.74	24.5	0
1.4	QPSK	3	1	23.81	23.70	23.74	24.5	0
1.4	QPSK	3	1	23.68	23.70	23.77	24.5	0
1.4	QPSK	6	0	23.05	22.99	23.01	23.5	1
1.4	16QAM	1	0	23.17	23.31	23.20	23.5	1
1.4	16QAM							



### Band 5\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 24550	Power Middle Ch. Freq. 24650	Power High Ch. Freq. 24750	Tune-up Inst (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.92	23.94	24.01	25	0
10	QPSK	1	26	23.92	23.94	24.01		
10	QPSK	1	49	23.93	24.01	24.00		
10	QPSK	25	0	22.88	22.95	23.02	24	1
10	QPSK	25	12	22.88	22.96	22.92		
10	QPSK	25	25	22.88	22.88	23.02		
10	QPSK	50	0	22.92	23.05	23.11		
10	16QAM	1	0	23.09	23.31	23.24	24	1
10	16QAM	1	26	23.06	23.15	23.17		
10	16QAM	1	49	23.23	23.10	23.20		
10	16QAM	25	0	21.97	21.90	22.02		
10	16QAM	25	12	21.93	21.97	21.94		
10	16QAM	25	25	21.89	21.89	22.03	23	2
10	16QAM	50	0	21.83	21.87	22.06		
10	16QAM	1	0	22.07	22.13	22.08		
10	64QAM	1	26	22.01	22.16	22.03	23	2
10	64QAM	1	49	22.18	22.08	22.22		
10	64QAM	25	0	20.98	20.93	21.09		
10	64QAM	25	12	20.95	20.98	21.00	22	3
10	64QAM	25	25	20.95	20.91	21.11		
10	64QAM	50	0	20.94	20.92	21.07		
10	256QAM	1	0	18.68	18.84	18.70		
10	256QAM	1	26	18.62	18.76	18.68	20	5
10	256QAM	1	49	18.73	18.58	18.89		
10	256QAM	25	0	18.69	18.83	18.69		
10	256QAM	25	12	18.56	18.75	18.67		
10	256QAM	25	25	18.64	18.83	18.74	20	5
10	256QAM	50	0	18.72	18.80	18.68		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.83	23.88	23.97	25	0
5	QPSK	1	26	23.82	23.76	23.86		
5	QPSK	1	24	23.81	23.90	23.83		
5	QPSK	12	0	22.91	22.98	22.93	24	1
5	QPSK	12	12	22.78	22.79	22.86		
5	QPSK	12	13	22.73	22.79	22.86		
5	QPSK	12	25	22.77	22.88	22.88		
5	16QAM	1	0	22.97	23.17	23.11	24	1
5	16QAM	1	12	22.91	23.00	23.05		
5	16QAM	1	26	23.04	22.98	23.14		
5	16QAM	12	0	21.82	21.74	21.84	23	2
5	16QAM	12	7	21.77	21.91	21.88		
5	16QAM	12	12	21.70	21.80	21.89		
5	16QAM	25	0	21.84	21.81	21.97		
5	64QAM	1	0	21.90	21.97	22.01	23	2
5	64QAM	1	26	21.80	22.07	21.94		
5	64QAM	1	24	22.10	21.92	22.15		
5	64QAM	12	0	20.85	20.81	20.99	22	3
5	64QAM	12	7	20.89	20.81	20.87		
5	64QAM	12	13	20.89	20.84	21.01		
5	64QAM	25	0	20.82	20.78	20.95		
5	256QAM	1	0	18.56	18.67	18.58	20	5
5	256QAM	1	12	18.50	18.65	18.60		
5	256QAM	1	24	18.60	18.60	18.76		
5	256QAM	12	0	18.54	18.59	18.59		
5	256QAM	12	7	18.42	18.60	18.56	20	5
5	256QAM	12	13	18.57	18.68	18.67		
5	256QAM	25	0	18.56	18.62	18.62		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.79	23.89	23.88	25	0
3	QPSK	1	26	23.78	23.87	23.86		
3	QPSK	1	14	23.75	23.93	23.90		
3	QPSK	8	0	22.80	22.90	22.87	24	1
3	QPSK	8	8	22.80	22.79	22.78		
3	QPSK	8	7	22.78	22.79	22.81		
3	16QAM	1	0	22.74	22.83	22.89		
3	16QAM	1	26	22.84	23.21	23.18	24	1
3	16QAM	1	8	22.84	22.98	23.10		
3	16QAM	1	14	23.09	23.05	23.05		
3	16QAM	8	0	21.90	21.94	21.99	23	2
3	16QAM	8	4	21.74	21.83	21.85		
3	16QAM	15	0	21.82	21.77	21.95		
3	64QAM	1	0	21.96	22.01	21.92	23	2
3	64QAM	1	8	21.87	22.10	21.92		
3	64QAM	1	14	22.01	21.90	22.08		
3	64QAM	8	0	20.83	20.78	20.97	22	3
3	64QAM	8	4	20.76	20.82	20.84		
3	64QAM	8	7	20.80	20.77	20.98		
3	256QAM	1	0	20.84	20.78	20.95	20	5
3	256QAM	1	14	18.62	18.73	18.64		
3	256QAM	1	8	18.50	18.72	18.50		
3	256QAM	8	0	18.73	18.67	18.74		
3	256QAM	8	0	18.50	18.70	18.63		
3	256QAM	8	4	18.49	18.67	18.56	20	5
3	256QAM	8	7	18.48	18.74	18.60		
3	256QAM	15	0	18.63	18.70	18.62		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.91	23.90	23.93	25	0
1.4	QPSK	1	8	23.74	23.81	23.94		
1.4	QPSK	1	8	23.75	23.95	23.89		
1.4	QPSK	3	0	23.76	23.93	23.88		
1.4	QPSK	3	1	23.81	23.86	23.78		
1.4	QPSK	3	3	23.73	23.77	23.83		
1.4	QPSK	6	0	22.80	22.98	22.83	24	1
1.4	16QAM	1	0	23.02	23.18	23.18		
1.4	16QAM	1	3	23.00	23.02	22.95		
1.4	16QAM	1	5	23.12	22.91	23.13	24	1
1.4	16QAM	3	0	22.91	22.83	22.83		
1.4	16QAM	3	1	22.84	22.79	22.81		
1.4	16QAM	3	3	22.77	22.83	22.92		
1.4	16QAM	6	0	21.84	21.70	21.97	23	2
1.4	64QAM	1	0	21.92	21.97	22.01		
1.4	64QAM	1	3	21.96	21.96	21.92		
1.4	64QAM	1	5	22.05	21.97	22.05		
1.4	64QAM	3	0	21.87	21.86	21.92	23	2
1.4	64QAM	3	3	21.79	21.90	21.93		
1.4	64QAM	3	3	21.89	21.81	21.93		
1.4	64QAM	6	0	20.75	20.81	21.01	22	3
1.4	256QAM	1	0	18.52	18.78	18.53		
1.4	256QAM	1	3	18.54	18.65	18.51		
1.4	256QAM	1	5	18.65	18.66	18.71		
1.4	256QAM	3	0	18.57	18.65	18.55	20	5
1.4	256QAM	3	1	18.45	18.69	18.53		
1.4	256QAM	3	3	18.56	18.61	18.61		
1.4	256QAM	6	0	18.93	18.72	18.61	20	5

### Band 7\_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 24650	Power Middle Ch. Freq. 24750	Power High Ch. Freq. 24850	Tune-up Inst (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.05	22.20	22.33	23.5	0
20	QPSK	1	49	22.10	22.22	22.70		
20	QPSK	1	99	22.25	22.42	22.89		
20	QPSK	50	0	21.18	21.37	21.56	22.5	1
20	QPSK	50	24	21.25	21.42	21.66		
20	QPSK	50	50	21.28	21.45	21.83		
20	QPSK	100	0	21.27	21.40	21.67		
20	16QAM	1	0	21.49	21.70	21.60	22.5	1
20	16QAM	1	49	21.59	21.81	21.98		
20	16QAM	1	99	21.68	21.81	22.23		
20	16QAM	50	0	20.25	20.37	20.54		
20	16QAM	50	24	20.31	20.44	20.65	21.5	2
20	16QAM	50	50	20.32	20.44	20.83		
20	16QAM	100	0	20.31	20.40	20.69		
20	64QAM	1	0	20.37	20.54	20.44	21.5	2
20	64QAM	1	49	20.55	20.68	20.94		
20	64QAM	1	99	20.69	20.66	21.09		
20	64QAM	50	0	19.22	19.38	19.79		
20	64QAM	50	24	19.23	19.48	19.87	20.5	3
20	64QAM	50	50	19.23	19.55	19.91		
20	64QAM	100	0	19.23	19.48	19.88		
20	256QAM	1	0	17.66	17.76	17.84	18.5	5
20	256QAM	1	49	17.69	17.76	17.84		
20	256QAM	1	99	17.59	17.64	17.95		
20	256QAM	50	0	17.69	17.96	17.85		
20	256QAM	50	24	17.64	17.81	17.90	18.5	5
20	256QAM	50	50	17.48	17.65	17.54		
20	256QAM	100	0	17.48	17.71	17.69		
Channel								
Frequency (								



### Band 12\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20000	Power Middle Ch. / Freq. 20000	Power High Ch. / Freq. 20000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.18	24.18	24.18	25	0
10	QPSK	1	26	24.07	24.15	24.03		
10	QPSK	1	49	24.12	24.07	24.10	24	1
10	QPSK	25	0	23.13	23.13	23.13		
10	QPSK	25	12	23.09	23.07	23.09	24	1
10	QPSK	25	25	23.09	23.10	23.10		
10	QPSK	50	0	23.11	23.12	23.11	24	1
10	16QAM	1	0	23.30	23.37	23.39		
10	16QAM	1	26	23.29	23.26	23.32	24	1
10	16QAM	1	49	23.32	23.45	23.38		
10	16QAM	25	0	22.05	21.99	22.05	23	2
10	16QAM	25	12	22.02	22.06	22.11		
10	16QAM	25	25	22.11	22.12	22.10	23	2
10	16QAM	50	0	22.14	22.02	22.11		
10	64QAM	1	0	22.34	22.16	22.35	23	2
10	64QAM	1	26	22.25	22.24	22.17		
10	64QAM	1	49	22.28	22.35	22.41	22	3
10	64QAM	25	0	21.02	21.02	21.02		
10	64QAM	25	12	21.04	21.06	21.08	22	3
10	64QAM	25	25	21.14	21.08	21.12		
10	256QAM	1	0	18.69	18.63	18.67	20	5
10	256QAM	1	26	18.67	18.70	18.59		
10	256QAM	1	49	18.60	18.47	18.68	20	5
10	256QAM	25	0	18.55	18.79	18.74		
10	256QAM	25	12	18.55	18.63	18.63	20	5
10	256QAM	25	25	18.74	18.72	18.63		
10	256QAM	50	0	18.60	18.72	18.80	20	5
10	256QAM	50	0	18.60	18.72	18.80		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.03	24.03	24.03	25	0
5	QPSK	1	24	23.94	24.07	23.99		
5	QPSK	1	24	23.94	23.89	23.99	24	1
5	QPSK	12	0	23.03	23.04	23.03		
5	QPSK	12	0	22.99	22.90	23.03	24	1
5	QPSK	12	13	23.00	22.99	22.97		
5	QPSK	12	13	22.97	22.91	22.98	24	1
5	16QAM	1	0	23.15	23.27	23.31		
5	16QAM	1	12	23.20	23.15	23.24	24	1
5	16QAM	1	24	23.45	23.38	23.24		
5	16QAM	12	0	21.94	21.90	21.90	23	2
5	16QAM	12	7	21.94	21.87	21.99		
5	16QAM	12	15	21.97	21.96	21.93	23	2
5	16QAM	25	0	22.07	21.84	22.01		
5	64QAM	1	0	22.18	22.07	22.27	23	2
5	64QAM	1	12	22.13	22.11	22.11		
5	64QAM	1	24	22.20	22.21	22.29	22	3
5	64QAM	12	0	20.96	20.96	20.96		
5	64QAM	12	7	20.94	20.94	21.02	20	5
5	64QAM	12	13	20.97	20.96	21.06		
5	256QAM	1	0	18.53	18.44	18.59	20	5
5	256QAM	1	12	18.75	18.56	18.78		
5	256QAM	1	24	18.50	18.31	18.51	20	5
5	256QAM	12	0	18.45	18.58	18.55		
5	256QAM	12	7	18.74	18.56	18.69	20	5
5	256QAM	12	13	18.62	18.56	18.56		
5	256QAM	25	0	18.45	18.60	18.65	20	5
5	256QAM	25	0	18.45	18.60	18.65		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.97	24.03	24.01	25	0
3	QPSK	1	14	23.93	23.97	23.92		
3	QPSK	1	14	23.99	23.96	24.03	24	1
3	QPSK	8	0	22.94	23.01	23.02		
3	QPSK	8	4	22.81	22.90	22.91	24	1
3	QPSK	8	7	22.97	23.02	23.02		
3	16QAM	1	0	23.00	22.96	23.05	24	1
3	16QAM	1	0	23.19	23.29	23.33		
3	16QAM	1	8	23.12	23.17	23.15	23	2
3	16QAM	1	14	23.49	23.27	23.22		
3	16QAM	8	0	21.97	21.99	21.97	23	2
3	16QAM	8	4	21.93	21.98	21.97		
3	16QAM	15	0	21.98	21.90	21.94	22	3
3	64QAM	1	0	21.99	21.90	21.95		
3	64QAM	1	0	22.23	22.06	22.20	22	3
3	64QAM	1	8	22.17	22.16	22.05		
3	64QAM	1	14	22.13	22.19	22.30	22	3
3	64QAM	8	0	20.97	20.93	20.95		
3	64QAM	8	4	20.99	20.96	21.00	20	5
3	64QAM	8	7	21.03	20.91	20.97		
3	64QAM	15	0	21.05	20.95	20.95	20	5
3	256QAM	1	8	18.77	18.82	18.76		
3	256QAM	1	14	18.41	18.26	18.53	20	5
3	256QAM	8	0	18.42	18.67	18.67		
3	256QAM	8	4	18.76	18.44	18.74	20	5
3	256QAM	8	7	18.61	18.54	18.44		
3	256QAM	15	0	18.48	18.61	18.65	20	5
3	256QAM	15	0	18.48	18.61	18.65		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	24.04	24.03	24.05	25	0
1.4	QPSK	1	8	23.89	24.00	23.88		
1.4	QPSK	1	8	23.93	24.01	23.95	24	1
1.4	QPSK	3	0	24.00	24.04	24.04		
1.4	QPSK	3	1	24.32	24.00	23.91	24	1
1.4	QPSK	3	3	23.95	24.02	23.98		
1.4	QPSK	6	0	22.96	22.93	22.98	24	1
1.4	16QAM	1	0	23.11	23.24	23.32		
1.4	16QAM	1	3	23.13	23.18	23.14	24	1
1.4	16QAM	1	5	23.42	23.37	23.27		
1.4	16QAM	3	0	22.88	22.84	22.88	23	2
1.4	16QAM	3	1	22.91	22.97	23.01		
1.4	16QAM	3	3	23.02	22.99	22.97	23	2
1.4	16QAM	6	0	21.99	21.98	22.02		
1.4	64QAM	1	0	22.18	22.10	22.23	23	2
1.4	64QAM	1	3	22.09	22.12	22.30		
1.4	64QAM	1	3	22.13	22.17	22.25	23	2
1.4	64QAM	3	0	21.92	21.95	21.93		
1.4	64QAM	3	1	21.96	21.98	21.95	22	3
1.4	64QAM	3	3	22.04	22.00	22.06		
1.4	64QAM	6	0	21.05	20.95	21.04	22	3
1.4	256QAM	1	0	18.63	18.45	18.57		
1.4	256QAM	1	3	18.66	18.64	18.77	20	5
1.4	256QAM	1	5	18.50	18.33	18.50		
1.4	256QAM	3	0	18.36	18.69	18.56	20	5
1.4	256QAM	3	1	18.67	18.52	18.73		
1.4	256QAM	3	3	18.65	18.66	18.51	20	5
1.4	256QAM	6	0	18.44	18.53	18.53		

### Band 13\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20000	Power Middle Ch. / Freq. 20000	Power High Ch. / Freq. 20000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.18	24.18	24.18	25	0
10	QPSK	1	26	24.07	24.03	24.03		
10	QPSK	1	49	24.12	24.07	24.10	24	1
10	QPSK	25	0	23.13	23.13	23.13		
10	QPSK	25	12	23.09	23.07	23.09	24	1
10	QPSK	25	25	23.09	23.10	23.10		
10	QPSK	50	0	23.11	23.12	23.11	24	1
10	16QAM	1	0	23.30	23.37	23.39		
10	16QAM	1	26	23.29	23.26	23.32	24	1
10	16QAM	1	49	23.32	23.45	23.38		
10	16QAM	25	0	22.05	21.99	22.05	23	2
10	16QAM	25	12	22.02	22.06	22.11		
10	16QAM	25	25	22.11	22.12	22.10	23	2
10	16QAM	50	0	22.14	22.02	22.11		
10	64QAM	1	0	22.34	22.16	22.35	23	2
10	64QAM	1	26	22.25	22.24	22.17		
10	64QAM	1	49	22.28	22.35	22.41	22	3
10	64QAM	25	0	21.02	21.02	21.02		
10	64QAM	25	12	21.04	21.06	21.08	22	3
10	64QAM	25	25	21.14	21.08	21.12		
10	256QAM	1	0	18.69	18.63	18.67	20	5
10	256QAM	1	26	18.67	18.70	18.59		
10	256QAM	1	49	18.60	18.47	18.68	20	5
10	256QAM	25	0	18.55	18.79	18.74		
10	256QAM	25	12	18.55	18.63	18.63	20	5
10	256QAM	25	25	18.74	18.72	18.63		
10	256QAM	50	0	18.60	18.72	18.80	20	5
10	256QAM	50	0	18.60	18.72	18.80		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.93	23			



Band 17\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel data for various modulation schemes and power levels.

Band 25\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel data for various modulation schemes and power levels.



### Band 26\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 20000	Power Mide Ch. Freq 20000	Power High Ch. Freq 20000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				811.5	831.5	841.5		
15	QPSK	1	0	24.13	24.23	24.23		
15	QPSK	1	37	24.11	24.17	24.01	25	0
15	QPSK	1	74	24.02	24.02	24.08		
15	QPSK	36	0	23.00	23.00	23.00		
15	QPSK	36	20	22.91	23.00	22.99	24	1
15	QPSK	36	38	22.98	23.00	22.96		
15	QPSK	75	0	23.01	23.04	22.98		
15	16QAM	1	0	23.08	23.24	23.16		
15	16QAM	1	37	23.12	23.27	23.19	24	1
15	16QAM	1	74	23.21	23.27	23.19		
15	16QAM	36	0	21.94	21.96	22.00		
15	16QAM	36	20	21.88	22.00	21.93	23	2
15	16QAM	36	38	21.98	22.00	21.94		
15	16QAM	75	0	21.97	22.08	21.97		
15	64QAM	1	0	22.06	22.18	22.20		
15	64QAM	1	37	22.34	22.34	22.27	23	2
15	64QAM	1	74	22.18	22.09	22.06		
15	64QAM	36	0	21.05	21.01	21.01		
15	64QAM	36	20	21.09	21.08	21.08	22	3
15	64QAM	36	38	21.08	21.03	21.02		
15	64QAM	75	0	21.09	21.01	21.01		
15	256QAM	1	0	18.80	18.76	18.77		
15	256QAM	1	37	18.87	18.79	18.89	20	5
15	256QAM	1	74	18.73	18.67	18.83		
15	256QAM	36	0	18.68	18.88	18.83		
15	256QAM	36	20	18.87	18.80	18.86	20	5
15	256QAM	36	38	18.85	18.79	18.71		
15	256QAM	75	0	18.71	18.81	18.80		
Channel								
Frequency (MHz)				811.5	831.5	841.5	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.97	24.02	24.06		
10	QPSK	1	37	23.82	23.89	23.83	25	0
10	QPSK	1	74	24.11	23.97	24.04		
10	QPSK	25	0	22.89	23.03	22.96		
10	QPSK	25	12	22.89	23.03	22.96	24	1
10	QPSK	25	25	22.86	23.04	22.89		
10	QPSK	50	0	22.83	22.88	22.88		
10	16QAM	1	0	23.07	23.25	23.22		
10	16QAM	1	25	23.12	23.12	23.17	24	1
10	16QAM	1	49	23.09	23.12	23.11		
10	16QAM	25	0	21.98	22.02	21.89		
10	16QAM	25	12	21.89	21.97	21.98	23	2
10	16QAM	25	25	21.86	22.04	21.92		
10	16QAM	50	0	21.97	22.04	21.90		
10	64QAM	1	0	22.19	22.19	22.26		
10	64QAM	1	25	21.97	22.07	22.08	23	2
10	64QAM	1	49	22.09	22.10	22.24		
10	64QAM	25	0	21.07	21.07	20.97		
10	64QAM	25	12	21.02	21.01	21.03	22	3
10	64QAM	25	25	20.95	21.09	20.93		
10	64QAM	50	0	21.01	21.10	20.97		
10	256QAM	1	0	18.82	18.85	18.80		
10	256QAM	1	25	18.78	18.73	18.91	20	5
10	256QAM	1	49	18.61	18.70	18.83		
10	256QAM	25	0	18.73	18.86	18.88		
10	256QAM	25	12	18.80	18.82	18.83		
10	256QAM	25	25	18.79	18.80	18.81	20	5
10	256QAM	50	0	18.76	18.86	18.86		
Channel								
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.87	23.91	24.00		
5	QPSK	1	12	23.82	23.86	23.83	25	0
5	QPSK	1	24	23.92	23.92	23.93		
5	QPSK	12	0	22.85	22.89	22.78		
5	QPSK	12	7	22.70	22.82	22.82	24	1
5	QPSK	12	13	22.72	22.86	22.74		
5	QPSK	25	0	22.83	22.83	22.75		
5	16QAM	1	1	22.89	23.09	23.03	16QAM	
5	16QAM	1	12	22.94	22.99	23.10	24	1
5	16QAM	1	24	22.99	23.10	22.94		
5	16QAM	12	0	21.83	21.84	21.88		
5	16QAM	12	13	21.87	21.86	21.86	23	2
5	16QAM	25	0	21.78	21.85	21.76		
5	64QAM	1	0	21.96	22.00	22.08		
5	64QAM	1	12	21.91	21.93	21.95	23	2
5	64QAM	1	24	21.88	21.87	22.18		
5	64QAM	12	0	20.93	20.94	20.90		
5	64QAM	12	7	20.85	20.94	20.87	22	3
5	64QAM	12	13	20.89	20.74	20.80		
5	64QAM	25	0	20.97	21.01	20.93		
5	256QAM	1	0	18.82	18.79	18.89		
5	256QAM	1	12	18.62	18.65	18.78	20	5
5	256QAM	1	24	18.65	18.56	18.77		
5	256QAM	12	0	18.62	18.79	18.69		
5	256QAM	12	7	18.69	18.71	18.77	20	5
5	256QAM	12	13	18.70	18.66	18.67		
5	256QAM	25	0	18.64	18.77	18.74		
Channel								
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	23.87	23.95	23.88		
3	QPSK	1	8	23.71	23.78	23.81	25	0
3	QPSK	1	14	23.89	23.78	23.85		
3	QPSK	8	0	22.85	22.88	22.74		
3	QPSK	8	4	22.73	22.79	22.78	24	1
3	QPSK	8	7	22.70	22.91	22.80		
3	QPSK	15	0	22.78	22.88	22.83		
3	16QAM	1	1	22.89	23.16	23.03	24	1
3	16QAM	1	8	22.98	22.93	23.05		
3	16QAM	1	14	22.90	23.02	22.97		
3	16QAM	8	0	21.90	21.83	21.76		
3	16QAM	8	4	21.79	21.84	21.91	23	2
3	16QAM	8	7	21.73	21.94	21.73		
3	16QAM	15	0	21.79	21.89	21.73		
3	64QAM	1	0	22.05	22.04	22.12		
3	64QAM	1	8	21.83	21.86	21.93	23	2
3	64QAM	1	14	21.95	21.96	22.12		
3	64QAM	8	0	20.89	20.99	20.88		
3	64QAM	8	4	20.85	20.87	20.81	22	3
3	64QAM	8	7	20.79	20.91	20.80		
3	64QAM	15	0	20.91	20.96	20.91		
3	256QAM	1	0	18.75	18.79	18.67		
3	256QAM	1	8	18.65	18.62	18.84	20	5
3	256QAM	1	14	18.46	18.58	18.69		
3	256QAM	8	0	18.67	18.76	18.76		
3	256QAM	8	4	18.62	18.71	18.68	20	5
3	256QAM	8	7	18.66	18.66	18.69		
3	256QAM	15	0	18.65	18.77	18.74		
Channel								
Frequency (MHz)				2699.7	2699.5	2703.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	23.92	24.02	24.02		
1.4	QPSK	1	3	23.88	24.02	23.99	25	0
1.4	QPSK	1	6	24.01	24.01	23.99		
1.4	QPSK	3	0	23.93	23.97	23.89		
1.4	QPSK	3	1	23.96	23.93	23.99		
1.4	QPSK	3	3	23.97	23.96	24.02		
1.4	QPSK	6	0	22.96	22.97	23.01	24	1
1.4	16QAM	1	0	23.97	23.97	23.92		
1.4	16QAM	1	3	23.17	23.07	23.17	24	1
1.4	16QAM	3	0	23.00	23.03	23.08		
1.4	16QAM	3	1	22.94	22.92	22.95		
1.4	16QAM	6	0	22.92	22.95	23.07	23	2
1.4	64QAM	1	0	22.01	22.11	22.09		
1.4	64QAM	1	3	22.02	22.12	22.06		
1.4	64QAM	1	6	22.05	22.09	22.05		
1.4	64QAM	3	0	22.10	22.07	22.13	23	2
1.4	64QAM	3	1	22.02	22.07	22.09		
1.4	64QAM	3	3	22.04	22.06	22.13		
1.4	64QAM	6	0	21.04	21.07	21.09	22	3
1.4	256QAM	1	0	18.83	18.73	18.85		
1.4	256QAM	1	3	18.62	18.57	18.84		
1.4	256QAM	1	6	18.45	18.51	18.82	20	5
1.4	256QAM	3	0	18.67	18.70	18.76		
1.4	256QAM	3	1	18.66	18.76	18.70		
1.4	256QAM	3	3	18.63	18.65	18.72		
1.4	256QAM	6	0	18.66	18.73	18.67	20	5

### Band 66\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 13000	Power Mide Ch. Freq
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### Band 38\_Ant 4

Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)											
20	QPSK	1	0	23.14	23.22	23.20	24	0			
20	QPSK	1	49	23.07	23.18	23.17					
20	QPSK	1	99	23.08	23.21	23.11					
20	QPSK	50	0	22.11	22.20	22.19					
20	QPSK	50	24	22.10	22.14	22.16	23	1			
20	QPSK	50	49	22.09	22.15	22.15					
20	QPSK	100	0	22.03	22.17	22.17					
20	QPSK	100	0	22.00	22.04	22.15					
20	16QAM	1	0	21.18	21.23	21.17	23	1			
20	16QAM	1	49	21.19	21.25	21.18					
20	16QAM	1	99	21.19	21.25	21.18					
20	16QAM	50	0	21.02	21.08	21.19					
20	16QAM	50	24	21.11	21.14	21.18	22	2			
20	16QAM	50	49	21.11	21.18	21.20					
20	16QAM	100	0	21.06	21.14	21.20					
20	16QAM	100	0	20.71	20.76	20.93					
20	64QAM	1	49	20.93	20.96	21.02	22	2			
20	64QAM	1	99	20.92	21.04	21.00					
20	64QAM	50	0	19.99	20.07	20.16					
20	64QAM	50	24	20.10	20.14	20.19					
20	64QAM	50	24	20.11	20.17	20.20	21	3			
20	64QAM	100	0	20.08	20.13	20.21					
20	256QAM	1	0	18.39	18.45	18.32					
20	256QAM	1	49	18.41	18.51	18.41					
20	256QAM	50	0	18.42	18.55	18.44	19	5			
20	256QAM	50	24	18.60	18.71	18.58					
20	256QAM	50	24	18.62	18.73	18.60					
20	256QAM	100	0	18.62	18.77	18.64					
20	256QAM	100	0	18.64	18.68	18.59	20	5			
Channel Frequency (MHz)											
15	QPSK	1	0	23.04	23.13	23.14			24	0	
15	QPSK	1	37	22.97	23.13	23.09					
15	QPSK	1	74	22.91	23.24	22.97					
15	QPSK	36	0	21.90	22.01	21.96					
15	QPSK	36	20	21.98	22.00	22.11	23	1			
15	QPSK	36	39	21.99	22.00	22.03					
15	QPSK	75	0	21.93	21.92	22.03					
15	16QAM	1	0	21.89	21.97	22.04					
15	16QAM	1	37	22.10	22.13	22.10	23	1			
15	16QAM	1	74	22.09	22.20	22.09					
15	16QAM	36	20	20.93	21.07	21.07					
15	16QAM	36	20	21.01	21.13	21.13					
15	16QAM	36	39	21.01	21.08	21.13	22	2			
15	16QAM	75	0	20.98	21.04	21.07					
15	64QAM	1	0	20.91	20.95	20.97					
15	64QAM	1	37	20.83	20.86	20.87					
15	64QAM	1	74	20.82	20.94	20.90	22	2			
15	64QAM	36	0	19.99	19.97	20.08					
15	64QAM	36	20	20.00	20.04	20.09					
15	64QAM	36	20	20.01	20.07	20.11					
15	64QAM	75	0	19.96	20.03	20.11	21	3			
15	256QAM	1	0	18.29	18.35	18.22					
15	256QAM	1	37	18.31	18.41	18.31					
15	256QAM	1	74	18.32	18.45	18.34					
15	256QAM	36	0	18.50	18.61	18.48	19	5			
15	256QAM	36	20	18.57	18.63	18.50					
15	256QAM	36	39	18.52	18.67	18.54					
15	256QAM	75	0	18.54	18.58	18.49					
Channel Frequency (MHz)											
10	QPSK	1	0	23.00	23.08	23.11	24	0			
10	QPSK	1	25	22.93	23.04	23.08					
10	QPSK	1	49	22.71	22.84	22.86					
10	QPSK	25	0	21.96	21.90	21.97					
10	QPSK	25	12	21.98	22.09	22.02	23	1			
10	QPSK	25	25	21.94	22.08	22.08					
10	QPSK	50	0	21.95	21.95	22.09					
10	QPSK	50	0	21.95	21.99	22.09					
10	16QAM	1	0	21.96	21.99	22.09	23	1			
10	16QAM	1	25	22.08	22.17	22.04					
10	16QAM	1	49	22.12	22.17	22.16					
10	16QAM	25	0	20.93	20.96	21.08					
10	16QAM	25	12	21.01	21.04	21.13	22	2			
10	16QAM	25	25	21.01	21.08	21.05					
10	16QAM	50	0	20.96	21.04	21.06					
10	64QAM	1	0	20.91	20.95	20.80					
10	64QAM	1	25	20.83	20.86	20.88	22	2			
10	64QAM	1	49	20.83	20.94	20.88					
10	64QAM	25	0	19.99	19.97	20.15					
10	64QAM	25	12	20.00	20.04	20.09					
10	64QAM	25	25	20.01	20.07	20.10	21	3			
10	64QAM	50	0	19.96	20.03	20.11					
10	256QAM	1	0	18.29	18.35	18.22					
10	256QAM	1	25	18.31	18.41	18.31					
10	256QAM	25	0	18.50	18.61	18.48	19	5			
10	256QAM	25	12	18.57	18.63	18.50					
10	256QAM	25	25	18.52	18.67	18.54					
10	256QAM	50	0	18.54	18.58	18.49					
Channel Frequency (MHz)											
5	QPSK	1	0	23.04	23.10	23.05	24	0			
5	QPSK	1	12	22.92	23.04	23.08					
5	QPSK	1	24	22.77	22.79	23.07					
5	QPSK	12	0	21.97	21.96	21.97					
5	QPSK	12	7	22.00	22.05	22.12	23	1			
5	QPSK	12	13	22.04	22.11	22.10					
5	QPSK	25	0	21.93	21.95	22.03					
5	16QAM	1	0	21.94	21.96	22.04					
5	16QAM	1	12	22.08	22.16	22.02	23	1			
5	16QAM	1	24	22.04	22.14	22.15					
5	16QAM	12	0	20.97	20.99	21.03					
5	16QAM	12	7	21.01	21.04	21.12					
5	16QAM	12	13	21.01	21.08	21.04	22	2			
5	16QAM	25	0	20.98	21.04	21.08					
5	64QAM	1	0	20.91	20.96	20.91					
5	64QAM	1	12	20.93	20.96	20.97					
5	64QAM	1	24	20.82	20.94	20.92	22	2			
5	64QAM	12	0	19.99	19.97	20.07					
5	64QAM	12	7	20.00	20.04	20.09					
5	64QAM	12	13	20.01	20.07	20.10					
5	256QAM	1	0	18.29	18.35	18.22	19	5			
5	256QAM	1	12	18.31	18.41	18.31					
5	256QAM	1	24	18.32	18.45	18.34					
5	256QAM	12	0	18.50	18.61	18.48					
5	256QAM	12	7	18.57	18.63	18.50	19	5			
5	256QAM	12	13	18.52	18.67	18.54					
5	256QAM	12	13	18.54	18.58	18.49					
5	256QAM	25	0	18.54	18.58	18.49					

### Band 41\_Ant 4

Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)									
20	QPSK	1	0	22.85	23.23	23.31	24	0	
20	QPSK	1	49	22.82	23.03	23.27			
20	QPSK	1	99	23.21	23.17	23.14			
20	QPSK	50	0	21.91	22.37	22.40			
20	QPSK	50	24	21.88	22.25	22.32	23	1	
20	QPSK	50	49	21.88	22.38	22.30			
20	QPSK	100	0	21.85	22.26	22.38			
20	QPSK	100	0	21.89	22.22	22.28			
20	16QAM	1	0	21.23	22.42	22.52	23	1	
20	16QAM	1	49	21.22	22.42	22.52			
20	16QAM	1	99	21.25	22.54	22.42			
20	16QAM	50	0	20.83	21.21	21.28			
20	16QAM	50	24	21.32	21.30	21.32	22	2	
20	16QAM	50	49	20.95	21.36	21.35			
20	16QAM	100	0	20.93	21.28	21.32			
20	16QAM	100	0	20.77	21.09	21.15			
20	64QAM	1	49	20.98	21.27	21.37	22	2	
20	64QAM	1	99	21.02	21.38	21.40			
20	64QAM	50	0	19.84	20.18	20.21			
20	64QAM	50	24	19.89	20.26	20.29			
20	64QAM	50	24	19.95	20.36	20.32	21	3	
20	64QAM	100	0	19.81	20.28	20.28			
20	256QAM	1	0	18.23	18.01	17.86			
20	256QAM	1	49	18.12	17.96	18.03			
20	256QAM	50	0	18.38	18.25	17.79	19	5	
20	256QAM	50	24	18.21	18.16	17.81			
20	256QAM	50	24	18.16	17.95	17.85			
20	256QAM	100	0	18.37	18.44	18.12			
Channel Frequency (MHz)									
15	QPSK	1	0	22.74	23.09	23.13	24	0	
15	QPSK	1	37	22.65	22.79	23.03			
15	QPSK	1	74	22.62	22.96	23.24			
15	QPSK	36	0	21.74	22.21	22.14			
15	QPSK	36	20	21.79	22.09	22.17	23	1	
15	QPSK	36	39	21.78	22.21	22.12			
15	QPSK	75	0	21.71	22.06	22.05			
15	16QAM	1	0	21.68	22.02	22.04			
15	16QAM	1	37	21.90	22.22	22.29	23	1	
15	16QAM	1	74	21.97	22.30	2			



### Band 42 Part27Q\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
20	QPSK	1	0	22.90	23.05	22.81	24	0
20	QPSK	1	48	22.89	22.89	22.71		
20	QPSK	1	96	22.75	22.81	22.58		
20	QPSK	50	0	22.09	22.18	21.92	23	1
20	QPSK	50	24	22.08	22.14	21.91		
20	QPSK	50	48	21.88	22.05	21.83		
20	QPSK	100	0	22.03	22.09	21.84	23	1
20	16QAM	1	0	22.31	22.32	22.14		
20	16QAM	1	48	22.15	22.23	22.08		
20	16QAM	50	0	21.12	21.07	20.95	22	2
20	16QAM	50	24	21.08	21.11	20.87		
20	16QAM	50	48	20.86	20.88	20.84		
20	16QAM	100	0	21.08	21.04	20.92	22	2
20	16QAM	100	24	21.14	21.25	21.06		
20	16QAM	100	48	21.00	21.14	21.01		
20	64QAM	1	96	20.97	21.02	20.74	21	3
20	64QAM	50	0	20.02	20.12	19.89		
20	64QAM	50	24	19.88	20.08	19.94		
20	64QAM	100	0	19.95	19.99	19.80	19	5
20	64QAM	100	24	19.07	20.03	19.94		
20	64QAM	100	48	18.27	17.83	17.75		
20	256QAM	1	48	18.09	17.83	17.92	19	5
20	256QAM	1	96	18.34	17.85	17.78		
20	256QAM	50	0	18.13	17.99	17.72		
20	256QAM	50	24	18.12	17.95	17.77	19	5
20	256QAM	50	48	18.41	18.04	18.02		
20	256QAM	100	0	18.39	18.29	18.07		
Channel Frequency (MHz)				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.77	22.93	22.75	24	0
15	QPSK	1	37	22.62	22.82	22.62		
15	QPSK	1	74	22.60	22.69	22.56		
15	QPSK	38	0	21.99	22.02	21.91	23	1
15	QPSK	38	38	21.88	22.08	21.72		
15	QPSK	38	76	21.81	21.95	21.67		
15	QPSK	75	0	21.86	21.97	21.75	23	1
15	16QAM	1	0	22.08	22.33	22.11		
15	16QAM	1	37	22.06	22.13	22.03		
15	16QAM	1	74	21.97	22.05	21.80	22	2
15	16QAM	38	0	21.02	21.00	20.90		
15	16QAM	38	20	20.97	20.95	20.77		
15	16QAM	38	39	20.81	20.93	20.72	22	2
15	16QAM	75	0	20.98	21.05	20.78		
15	16QAM	1	0	21.15	21.09	21.01		
15	64QAM	1	37	21.00	21.09	20.84	22	2
15	64QAM	1	74	20.98	20.94	20.78		
15	64QAM	38	0	19.92	19.98	19.83		
15	64QAM	38	20	19.84	19.98	19.79	21	3
15	64QAM	38	39	19.83	19.84	19.72		
15	64QAM	75	0	19.85	19.91	19.82		
15	256QAM	1	0	18.10	17.83	17.70	19	5
15	256QAM	1	37	17.88	17.85	17.82		
15	256QAM	1	74	18.25	18.21	18.21		
15	256QAM	38	0	17.98	17.92	17.58	19	5
15	256QAM	38	39	18.09	17.79	17.87		
15	256QAM	38	76	18.26	18.08	17.84		
15	256QAM	75	0	18.24	18.20	18.04	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				43170	43595	44020	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				3555	3597.5	3640	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.85	22.88	22.73	24	0
10	QPSK	1	25	22.79	22.72	22.62		
10	QPSK	1	49	22.84	22.81	22.58		
10	QPSK	25	0	22.01	22.10	21.79	23	1
10	QPSK	25	12	21.95	22.01	21.72		
10	QPSK	25	25	21.89	21.89	21.73		
10	QPSK	50	0	21.88	21.95	21.75	23	1
10	16QAM	1	0	22.24	22.24	22.04		
10	16QAM	1	25	22.14	22.19	22.01		
10	16QAM	1	49	22.02	22.10	21.85	22	2
10	16QAM	25	0	20.94	20.98	20.82		
10	16QAM	25	12	20.93	21.08	20.86		
10	16QAM	25	25	20.86	20.86	20.79	22	2
10	16QAM	50	0	20.98	21.04	20.77		
10	64QAM	1	0	21.15	21.18	20.90		
10	64QAM	1	25	21.04	21.07	20.93	21	3
10	64QAM	25	12	19.95	20.85	20.69		
10	64QAM	25	25	19.75	19.92	19.72		
10	64QAM	50	0	19.98	19.96	19.74	19	5
10	256QAM	1	0	18.10	17.77	17.68		
10	256QAM	1	49	18.18	18.08	17.70		
10	256QAM	25	0	18.03	17.88	17.65	19	5
10	256QAM	25	12	18.08	17.97	17.72		
10	256QAM	25	25	18.35	17.97	17.88		
10	256QAM	50	0	18.12	18.17	17.95	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				43115	43540	43965	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				3427.5	3470	3512.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.65	22.83	22.72	24	0
5	QPSK	1	12	22.80	22.70	22.58		
5	QPSK	1	24	22.58	22.55	22.50		
5	QPSK	12	0	21.99	21.94	21.84	23	1
5	QPSK	12	7	21.95	21.95	21.70		
5	QPSK	12	13	21.69	21.81	21.52		
5	QPSK	25	0	21.12	21.82	21.64	23	1
5	16QAM	1	0	22.13	22.31	22.06		
5	16QAM	1	12	22.01	21.99	21.91		
5	16QAM	1	24	21.88	21.97	21.87	22	2
5	16QAM	12	0	20.91	20.90	20.78		
5	16QAM	12	7	20.85	20.82	20.69		
5	16QAM	12	13	20.69	20.91	20.57	21	3
5	16QAM	25	0	20.88	20.94	20.63		
5	64QAM	1	0	21.05	21.02	20.96		
5	64QAM	1	12	20.99	20.98	20.92	22	2
5	64QAM	1	24	20.83	20.80	20.71		
5	64QAM	12	0	19.88	19.92	19.74		
5	64QAM	12	7	19.89	19.92	19.74	19	5
5	64QAM	12	13	19.75	19.77	19.58		
5	64QAM	25	0	19.70	19.94	19.73		
5	256QAM	1	0	18.08	17.89	17.65	19	5
5	256QAM	1	12	17.85	17.78	17.67		
5	256QAM	1	24	18.16	18.14	17.94		
5	256QAM	12	0	17.84	17.82	17.65	19	5
5	256QAM	12	7	17.98	17.87	17.84		
5	256QAM	12	13	18.16	18.00	17.81		
5	256QAM	25	0	18.22	18.16	17.99	Tune-up limit (dBm)	MPR (dB)

### Band 42 Part96\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
20	QPSK	1	0	22.98	23.12	22.91	24	0
20	QPSK	1	48	22.93	22.93	22.82		
20	QPSK	1	96	22.84	22.78	22.62		
20	QPSK	50	0	22.14	22.22	22.02	23	1
20	QPSK	50	24	22.10	22.18	21.98		
20	QPSK	50	48	22.04	22.08	21.90		
20	QPSK	100	0	22.05	22.12	21.94	23	1
20	16QAM	1	0	22.38	22.44	22.28		
20	16QAM	1	48	22.28	22.37	22.18		
20	16QAM	50	0	21.10	21.18	20.95	22	2
20	16QAM	50	24	21.01	21.09	20.89		
20	16QAM	100	0	21.10	21.08	20.98		
20	16QAM	100	24	21.08	21.33	21.14	22	2
20	64QAM	1	48	21.15	21.22	21.07		
20	64QAM	1	96	21.00	21.10	20.88		
20	64QAM	50	0	20.13	20.20	20.00	21	3
20	64QAM	50	24	20.08	20.17	19.97		
20	64QAM	50	48	19.99	20.07	19.87		
20	64QAM	100	0	20.09	20.15	19.94	19	5
20	64QAM	100	24	20.08	20.17	19.97		
20	64QAM	100	48	19.83	17.97	18.02		
20	256QAM	1	48	18.13	17.97	17.89	19	5
20	256QAM	1	96	18.38	18.33	17.92		
20	256QAM	50	0	18.19	18.12	17.80		
20	256QAM	50	24	18.21	17.99	17.87	19	5
20	256QAM	50	48	18.48	18.07	18.07		
20	256QAM	100	0	18.44	18.35	18.18		
Channel Frequency (MHz)				43190	43575	43960	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				3597.5	3640	3682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.77	22.93	22.75	24	0
15	QPSK	1	37	22.62	22.82	22.62		
15	QPSK	1	74	22.60	22.69	22.56		
15	QPSK	38	0	21.99	22.02	21.91	23	1
15	QPSK	38	38	21.88	22.08	21.72		
15	QPSK	38	76	21.81	21.95			





## Band 48\_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power				Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.17	23.05	22.97	22.96	24	0
20	QPSK	1	49	23.10	23.07	23.05	23.06		
20	QPSK	1	99	22.99	22.99	22.98	22.98		
20	QPSK	50	0	22.15	22.14	22.04	21.98		
20	QPSK	50	24	22.11	22.03	22.01	22.04	23	1
20	QPSK	50	50	22.08	22.00	21.98	22.05		
20	QPSK	100	0	22.10	22.09	21.85	22.04		
20	16QAM	1	0	22.15	22.12	22.08	22.10		
20	16QAM	1	49	22.17	22.03	22.14	22.06	23	1
20	16QAM	1	99	22.06	22.00	21.85	21.92		
20	16QAM	50	0	21.14	21.06	21.05	21.02		
20	16QAM	50	24	21.12	21.03	21.04	21.05		
20	16QAM	50	50	21.09	21.06	21.00	20.98	22	2
20	16QAM	100	0	21.13	21.08	21.04	21.05		
20	64QAM	1	0	21.11	21.02	21.02	21.01		
20	64QAM	1	49	21.10	21.07	20.99	20.95		
20	64QAM	1	99	21.02	20.91	20.95	20.91	21	3
20	64QAM	50	0	20.13	20.04	20.10	20.03		
20	64QAM	50	24	20.11	20.07	20.06	19.96		
20	64QAM	50	50	20.10	19.99	20.01	19.97		
20	256QAM	100	0	18.09	18.03	18.00	18.02	19	5
20	256QAM	1	0	18.00	17.87	17.83	17.86		
20	256QAM	1	49	17.89	17.84	17.80	17.74		
20	256QAM	1	99	18.03	17.89	17.98	17.91		
20	256QAM	50	0	17.89	17.79	17.84	17.79	19	5
20	256QAM	50	24	17.91	17.81	17.82	17.81		
20	256QAM	50	50	17.90	17.83	17.87	17.88		
20	256QAM	100	0	17.98	17.86	17.84	17.86		
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.00	22.83	22.80	22.82	24	0
15	QPSK	1	37	22.91	22.85	22.94	22.85		
15	QPSK	1	74	22.85	22.81	22.79	22.84		
15	QPSK	36	0	21.94	21.97	21.86	21.83		
15	QPSK	36	20	21.94	21.92	21.80	21.80	23	1
15	QPSK	36	39	21.84	21.77	21.85	21.91		
15	QPSK	75	0	21.86	21.88	21.74	21.87		
15	16QAM	1	0	22.04	22.01	21.85	21.87		
15	16QAM	1	37	22.06	21.92	21.99	21.85	23	1
15	16QAM	1	74	21.92	21.89	21.79	21.78		
15	16QAM	36	0	20.91	20.84	20.84	20.87		
15	16QAM	36	20	20.94	20.79	20.90	20.83		
15	16QAM	36	39	20.85	20.87	20.76	20.74	22	2
15	16QAM	75	0	20.80	20.92	20.80	20.87		
15	64QAM	1	0	20.87	20.91	20.91	20.88		
15	64QAM	1	37	20.89	20.95	20.84	20.75		
15	64QAM	1	74	20.80	20.79	20.76	20.76	21	3
15	64QAM	36	0	19.91	19.82	19.95	19.92		
15	64QAM	36	20	19.91	19.84	19.92	19.78		
15	64QAM	36	39	19.92	19.87	19.85	19.80		
15	64QAM	75	0	19.92	19.87	19.76	19.78	19	5
15	256QAM	1	0	17.80	17.72	17.70	17.75		
15	256QAM	1	37	17.72	17.72	17.60	17.51		
15	256QAM	1	74	17.87	17.74	17.87	17.79		
15	256QAM	36	0	17.76	17.59	17.60	17.57	19	5
15	256QAM	36	20	17.60	17.61	17.68	17.63		
15	256QAM	36	39	17.77	17.71	17.73	17.73		
15	256QAM	75	0	17.78	17.74	17.67	17.75		
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.02	22.90	22.85	22.75	24	0
10	QPSK	1	25	22.91	22.91	22.93	22.88		
10	QPSK	1	49	22.88	22.77	22.82	22.83		
10	QPSK	25	0	21.91	22.03	21.93	21.83		
10	QPSK	25	12	21.87	21.99	21.99	21.92	23	1
10	QPSK	25	25	21.87	21.76	21.82	21.85		
10	QPSK	50	0	21.86	21.91	21.72	21.89		
10	16QAM	1	0	22.00	21.94	21.88	21.89		
10	16QAM	1	25	21.99	21.83	22.03	21.97	23	1
10	16QAM	1	49	21.94	21.87	21.72	21.75		
10	16QAM	25	0	20.97	20.87	20.93	20.80		
10	16QAM	25	12	20.95	20.89	20.93	20.88		
10	16QAM	25	25	20.93	20.95	20.78	20.79	22	2
10	16QAM	50	0	20.93	20.96	20.81	20.83		
10	64QAM	1	0	20.87	20.86	20.91	20.86		
10	64QAM	1	25	20.90	20.85	20.77	20.84		
10	64QAM	1	49	20.85	20.85	20.83	20.76	21	3
10	64QAM	25	0	19.91	19.87	19.89	19.87		
10	64QAM	25	12	19.98	19.85	19.84	19.76		
10	64QAM	25	25	19.87	19.81	19.89	19.77		
10	64QAM	50	0	19.85	19.88	19.87	19.83	19	5
10	256QAM	1	0	17.82	17.67	17.76	17.71		
10	256QAM	1	25	17.70	17.53	17.55	17.62		
10	256QAM	1	49	17.80	17.73	17.74	17.67		
10	256QAM	25	0	17.68	17.63	17.63	17.57	19	5
10	256QAM	25	12	17.69	17.70	17.70	17.60		
10	256QAM	25	25	17.87	17.70	17.74	17.71		
10	256QAM	50	0	17.80	17.64	17.64	17.76		
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.05	22.92	22.73	22.77	24	0
5	QPSK	1	12	22.98	22.89	22.82	22.88		
5	QPSK	1	24	22.83	22.77	22.81	22.92		
5	QPSK	12	0	21.91	21.95	21.88	21.76		
5	QPSK	12	7	21.93	21.79	21.90	21.84	23	1
5	QPSK	12	13	21.92	21.87	21.76	21.83		
5	QPSK	25	0	21.85	21.92	21.82	21.87		
5	16QAM	1	0	21.97	21.89	21.95	21.89		
5	16QAM	1	12	21.98	21.80	21.93	21.92	23	1
5	16QAM	1	24	21.82	21.62	21.75	21.76		
5	16QAM	12	0	20.90	20.93	20.87	20.80		
5	16QAM	12	7	20.98	20.88	20.85	20.86		
5	16QAM	12	13	20.89	20.93	20.88	20.76	22	2
5	16QAM	25	0	21.02	20.97	20.84	20.81		
5	64QAM	1	0	20.97	20.86	20.78	20.76		
5	64QAM	1	12	20.97	20.89	20.78	20.76		
5	64QAM	1	24	20.83	20.77	20.78	20.69	21	3
5	64QAM	12	0	20.00	19.93	19.96	19.83		
5	64QAM	12	7	19.96	19.84	19.89	19.84		
5	64QAM	12	13	19.93	19.88	19.79	19.79		
5	64QAM	25	0	19.85	19.92	19.87	19.90	19	5
5	256QAM	1	0	17.84	17.64	17.62	17.74		
5	256QAM	1	12	17.67	17.62	17.59	17.52		
5	256QAM	1	24	17.92	17.76	17.81	17.67		
5	256QAM	12	0	17.68	17.56	17.62	17.63	19	5
5	256QAM	12	7	17.67	17.66	17.67	17.60		
5	256QAM	12	13	17.86	17.69	17.75	17.70		
5	256QAM	25	0	17.84	17.61	17.61	17.68		



## Reduced Power for State 1

◀GSM▶

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
TX Channel	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot	27.53	28.02	27.80	29.00	18.93	19.02	18.90	20.00
GPRS 1 Tx slot	27.91	28.00	27.88	29.00	18.91	19.00	18.88	20.00
GPRS 2 Tx slots	27.37	27.45	27.35	28.50	21.37	21.45	21.35	22.50
GPRS 3 Tx slots	26.25	26.30	26.20	27.00	21.95	22.04	21.94	22.14
GPRS 4 Tx slots	24.67	24.73	24.64	25.50	21.67	21.73	21.64	22.50
EDGE 1 Tx slot	22.83	22.99	22.89	24.00	18.83	18.99	18.89	19.00
EDGE 2 Tx slots	21.85	21.93	21.94	23.00	16.85	16.93	16.94	17.00
EDGE 3 Tx slots	20.23	20.37	20.28	21.50	15.97	16.11	16.02	17.24
EDGE 4 Tx slots	19.34	19.35	19.33	20.10	16.34	16.35	16.33	17.10

  

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	851	810		512	851	810	
TX Channel	512	851	810	Limit	512	851	810	Limit
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	27.61	27.62	27.59	28.00	18.61	18.62	18.58	19.00
GPRS 1 Tx slot	27.59	27.60	27.58	28.00	18.59	18.60	18.58	19.00
GPRS 2 Tx slots	27.54	27.57	27.50	28.00	21.54	21.57	21.50	22.00
GPRS 3 Tx slots	26.81	26.87	26.69	28.00	21.55	21.61	21.34	21.74
GPRS 4 Tx slots	24.22	24.34	24.15	24.50	21.22	21.34	21.15	21.50
EDGE 1 Tx slot	25.71	25.71	25.81	26.80	16.71	16.71	16.81	17.80
EDGE 2 Tx slots	24.55	24.78	24.74	26.00	16.55	16.78	16.74	20.00
EDGE 3 Tx slots	22.97	23.01	22.87	24.00	16.71	16.75	16.61	19.74
EDGE 4 Tx slots	21.58	22.04	22.01	23.00	16.58	16.04	16.01	20.00

◀WCDMA▶

Band	WCDMA_I_Ant 2	Tune-up			WCDMA_IV_Ant 2			WCDMA_V_Ant 0			Tune-up Limit		
		9262	9400	9538	1312	1413	1513	4132	4182	4233			
TX Channel	9262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Frequency (MHz)	1852.4	1880	1907.6	(dBm)	1712.4	1732.5	1752.6	(dBm)	826.4	836.4	846.6	(dBm)	
3GPP Rel 99	AMR 12.2kbps	17.55	17.71	18.06	19.00	19.65	19.51	19.78	21.00	23.00	23.05	23.01	23.50
3GPP Rel 99	AMR 12.2kbps	18.57	19.21	19.59	19.00	19.68	19.83	19.78	21.00	23.05	23.10	23.04	23.50
3GPP Rel 6	HSDPA Subtest-1	16.90	16.68	17.17	18.00	18.80	18.94	18.98	19.50	22.00	22.19	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	16.97	16.68	17.20	18.00	18.91	18.88	18.97	19.50	22.00	22.25	22.02	22.50
3GPP Rel 6	HSDPA Subtest-3	16.48	16.22	16.78	17.50	18.43	18.52	18.54	19.00	21.55	21.80	21.59	22.00
3GPP Rel 6	HSDPA Subtest-4	16.50	16.27	16.69	17.50	18.35	18.47	18.52	19.00	21.55	21.79	21.51	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.79	16.70	17.14	18.00	18.78	18.90	18.92	19.50	21.98	22.16	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.80	16.62	17.12	18.00	18.85	18.87	18.92	19.50	21.95	22.23	22.01	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.42	16.12	16.55	17.50	18.47	18.49	18.48	19.00	21.53	21.78	21.55	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.32	16.15	16.65	17.50	18.34	18.39	18.43	19.00	21.52	21.75	21.50	22.00
3GPP Rel 6	HSUPA Subtest-1	15.55	15.53	15.58	17.50	17.95	17.11	17.05	19.00	19.99	20.00	20.05	21.50
3GPP Rel 6	HSUPA Subtest-2	14.83	14.53	15.16	16.00	16.95	16.91	16.95	17.50	20.01	20.04	20.10	20.50
3GPP Rel 6	HSUPA Subtest-3	15.84	15.67	16.12	17.00	17.75	17.83	17.83	19.00	21.04	21.00	21.06	21.50
3GPP Rel 6	HSUPA Subtest-4	14.46	14.07	14.54	15.50	16.37	16.47	16.48	17.00	19.60	19.60	19.62	20.50
3GPP Rel 6	HSUPA Subtest-5	15.91	15.50	16.08	17.50	17.90	18.04	17.95	19.00	21.00	21.00	21.10	22.50
3GPP Rel 7	TSPAN (TSCAM) Subtest-1	15.05	15.06	15.15	17.00	16.64	16.67	16.61	18.50	20.00	20.02	20.05	22.00



Band 2\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up Inst (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types and power levels.

Band 4\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up Inst (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types and power levels.



Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, Channel, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up Inst (dBm), MPR (dB). Contains multiple rows of channel data for various frequencies and modulation types.

Band 7\_Ant 4

Table with columns: BW (MHz), Modulation, Channel, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up Inst (dBm), MPR (dB). Contains multiple rows of channel data for various frequencies and modulation types.















## Band 48\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel				55340	55830	56150	56640		
Frequency (MHz)				3690	3690	3411	3411		
20	QPSK	1	0	18.53	18.58	18.38	18.46	20	0
20	QPSK	1	49	18.53	18.50	18.30	18.45		
20	QPSK	1	99	18.44	18.43	18.35	18.41		
20	QPSK	50	0	18.54	18.53	18.50	18.42		
20	QPSK	50	24	18.49	18.37	18.43	18.41	20	0
20	QPSK	50	50	18.51	18.44	18.31	18.38		
20	QPSK	100	0	18.53	18.52	18.29	18.39		
20	16QAM	1	0	18.53	18.53	18.49	18.55		
20	16QAM	1	49	18.58	18.36	18.54	18.50	20	0
20	16QAM	1	99	18.51	18.46	18.38	18.31		
20	16QAM	50	0	18.55	18.49	18.38	18.37		
20	16QAM	50	24	18.45	18.42	18.40	18.43		
20	16QAM	50	50	18.46	18.51	18.39	18.35	20	0
20	16QAM	100	0	18.52	18.45	18.40	18.43		
20	64QAM	1	49	18.52	18.43	18.35	18.38		
20	64QAM	1	99	18.47	18.24	18.28	18.27		
20	64QAM	50	0	18.38	18.42	18.48	18.38	20	0
20	64QAM	50	24	18.52	18.47	18.45	18.34		
20	64QAM	50	50	18.48	18.37	18.40	18.37		
20	64QAM	100	0	18.49	18.37	18.33	18.41		
20	256QAM	1	0	18.00	17.87	17.93	17.86	19	1
20	256QAM	1	49	17.89	17.84	17.80	17.74		
20	256QAM	1	99	18.03	17.89	17.98	17.91		
20	256QAM	50	0	17.89	17.79	17.84	17.79		
20	256QAM	50	24	17.91	17.81	17.82	17.81	19	1
20	256QAM	50	50	17.99	17.93	17.87	17.88		
20	256QAM	100	0	17.98	17.86	17.84	17.86		
Channel				55515	55620	56160	56655		
Frequency (MHz)				3697.5	3698	3442	3692.2		
15	QPSK	1	0	18.53	18.44	18.39	18.32	20	0
15	QPSK	1	37	18.48	18.52	18.51	18.44		
15	QPSK	1	74	18.34	18.34	18.29	18.39		
15	QPSK	36	0	18.52	18.47	18.40	18.35		
15	QPSK	36	20	18.53	18.49	18.42	18.40	20	0
15	QPSK	36	39	18.41	18.38	18.34	18.43		
15	QPSK	75	0	18.58	18.45	18.19	18.45		
15	16QAM	1	0	18.54	18.50	18.45	18.43		
15	16QAM	1	37	18.57	18.48	18.60	18.42	20	0
15	16QAM	1	74	18.50	18.41	18.31	18.38		
15	16QAM	36	0	18.49	18.41	18.39	18.47		
15	16QAM	36	20	18.57	18.37	18.44	18.41		
15	16QAM	36	39	18.50	18.44	18.48	18.38	20	0
15	16QAM	75	0	18.48	18.49	18.49	18.41		
15	64QAM	1	0	18.57	18.36	18.47	18.38		
15	64QAM	1	37	18.47	18.40	18.41	18.31		
15	64QAM	1	74	18.38	18.27	18.38	18.39	20	0
15	64QAM	36	0	18.47	18.41	18.40	18.45		
15	64QAM	36	20	18.48	18.50	18.49	18.37		
15	64QAM	36	39	18.45	18.36	18.40	18.43		
15	64QAM	75	0	18.44	18.46	18.40	18.37	20	0
15	256QAM	1	0	17.80	17.72	17.70	17.75		
15	256QAM	1	37	17.72	17.72	17.60	17.51		
15	256QAM	1	74	17.87	17.74	17.87	17.79		
15	256QAM	36	0	17.78	17.59	17.60	17.57	19	1
15	256QAM	36	20	17.69	17.61	17.68	17.63		
15	256QAM	36	39	17.77	17.71	17.73	17.73		
15	256QAM	75	0	17.78	17.74	17.67	17.75		
Channel				55690	55615	56190	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3697.5	3697.5	3442.5	3695		
10	QPSK	1	0	18.53	18.49	18.37	18.39	20	0
10	QPSK	1	25	18.47	18.41	18.42	18.51		
10	QPSK	1	49	18.32	18.40	18.39	18.40		
10	QPSK	25	0	18.55	18.60	18.39	18.34		
10	QPSK	25	12	18.51	18.36	18.43	18.40	20	0
10	QPSK	25	25	18.43	18.46	18.38	18.39		
10	QPSK	50	0	18.47	18.45	18.24	18.48		
10	16QAM	1	0	18.49	18.52	18.51	18.45		
10	16QAM	1	25	18.52	18.39	18.52	18.45	20	0
10	16QAM	1	49	18.44	18.35	18.38	18.38		
10	16QAM	25	0	18.48	18.43	18.40	18.40		
10	16QAM	25	12	18.54	18.40	18.46	18.45		
10	16QAM	25	25	18.53	18.50	18.49	18.32	20	0
10	16QAM	50	0	18.49	18.50	18.41	18.38		
10	64QAM	1	0	18.55	18.44	18.38	18.44		
10	64QAM	1	25	18.54	18.43	18.39	18.34		
10	64QAM	1	49	18.47	18.32	18.31	18.24	20	0
10	64QAM	25	0	18.47	18.50	18.58	18.48		
10	64QAM	25	12	18.52	18.41	18.45	18.39		
10	64QAM	25	25	18.56	18.32	18.42	18.37		
10	64QAM	50	0	18.52	18.41	18.37	18.44	20	0
10	256QAM	1	0	17.82	17.67	17.75	17.77		
10	256QAM	1	25	17.70	17.63	17.65	17.62		
10	256QAM	1	49	17.80	17.73	17.74	17.67		
10	256QAM	25	0	17.88	17.83	17.83	17.57	19	1
10	256QAM	25	12	17.89	17.70	17.70	17.60		
10	256QAM	25	25	17.87	17.70	17.74	17.71		
10	256QAM	50	0	17.80	17.64	17.64	17.75		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3697.5	3697	3443	3697.5		
5	QPSK	1	0	18.54	18.39	18.34	18.33	20	0
5	QPSK	1	12	18.53	18.50	18.49	18.48		
5	QPSK	1	24	18.34	18.45	18.41	18.47		
5	QPSK	12	0	18.59	18.54	18.45	18.39		
5	QPSK	12	7	18.47	18.42	18.47	18.40	20	0
5	QPSK	12	13	18.53	18.41	18.44	18.51		
5	QPSK	25	0	18.55	18.52	18.25	18.41		
5	16QAM	1	0	18.53	18.50	18.46	18.44		
5	16QAM	1	12	18.54	18.49	18.60	18.48	20	0
5	16QAM	1	24	18.41	18.37	18.39	18.33		
5	16QAM	12	0	18.59	18.47	18.39	18.36		
5	16QAM	12	7	18.48	18.46	18.49	18.47		
5	16QAM	12	13	18.53	18.46	18.42	18.40	20	0
5	16QAM	25	0	18.53	18.43	18.45	18.42		
5	64QAM	1	0	18.55	18.36	18.40	18.44		
5	64QAM	1	12	18.46	18.49	18.35	18.34		
5	64QAM	1	24	18.45	18.34	18.33	18.34	20	0
5	64QAM	12	0	18.58	18.37	18.52	18.45		
5	64QAM	12	7	18.44	18.41	18.51	18.41		
5	64QAM	12	13	18.56	18.35	18.45	18.41		
5	64QAM	25	0	18.44	18.42	18.40	18.39	20	0
5	256QAM	1	0	17.84	17.64	17.62	17.74		
5	256QAM	1	12	17.67	17.62	17.58	17.52		
5	256QAM	1	24	17.56	17.76	17.81	17.67		
5	256QAM	12	0	17.79	17.58	17.62	17.63	19	1
5	256QAM	12	7	17.67	17.68	17.67	17.80		
5	256QAM	12	13	17.86	17.69	17.75	17.70		
5	256QAM	25	0	17.84	17.71	17.61	17.68		



## Reduced Power for State 3

◀GSM▶

	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
GSM850_Ant 0								
TX Channel	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	824.2	832.4	840.6	(dBm)	824.2	832.4	840.6	(dBm)
GSM 1 Tx slot	31.55	31.99	31.80	32.50	22.95	22.99	22.90	23.50
GPRS 1 Tx slot	31.80	31.95	31.76	32.50	22.80	22.95	22.76	23.50
GPRS 2 Tx slots	31.20	31.23	31.12	32.00	22.50	22.20	22.12	22.00
GPRS 3 Tx slots	29.73	29.83	29.68	30.50	25.47	25.37	25.42	26.00
GPRS 4 Tx slots	28.41	28.61	28.47	29.00	25.41	25.61	25.47	28.00
EDGE 1 Tx slot	26.88	26.98	26.91	27.50	18.98	17.98	17.91	18.50
EDGE 2 Tx slots	26.88	26.05	26.03	26.50	18.98	20.05	20.03	20.50
EDGE 3 Tx slots	24.35	24.51	24.41	25.00	20.09	20.25	20.15	20.74
EDGE 4 Tx slots	23.45	23.43	23.40	23.00	20.40	20.43	20.40	20.60

  

	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	851	810		512	851	810	
GSM1900_Ant 2								
TX Channel	512	851	810	Limit	512	851	810	Limit
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	29.44	29.59	29.40	30.00	20.44	20.59	20.40	21.00
GPRS 1 Tx slot	28.41	28.57	28.36	30.00	20.41	20.57	20.36	21.00
GPRS 2 Tx slots	28.55	28.95	28.77	29.50	22.95	22.96	22.77	23.50
GPRS 3 Tx slots	26.66	26.70	26.61	27.50	22.40	22.44	22.35	23.24
GPRS 4 Tx slots	25.41	25.51	25.35	26.50	22.41	22.51	22.35	23.50
EDGE 1 Tx slot	25.71	25.71	25.81	26.80	16.71	16.71	16.81	17.80
EDGE 2 Tx slots	24.55	24.78	24.74	26.00	18.55	18.78	18.74	20.00
EDGE 3 Tx slots	22.97	23.01	22.87	24.00	18.71	18.75	18.61	19.74
EDGE 4 Tx slots	21.58	22.04	22.01	23.00	18.98	19.04	19.01	20.00

◀WCDMA▶

Band	WCDMA_I_Ant 2			Tune-up Limit	WCDMA_IV_Ant 2			Tune-up Limit	WCDMA_V_Ant 0			Tune-up Limit	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Frequency (MHz)	1852.4	1880	1907.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	826.4	836.4	846.6	(dBm)	
SCPP Rel 99	AMR 12.2kbps	21.95	21.70	22.08	23.00	22.12	22.31	22.25	23.50	23.00	23.05	23.01	23.50
SCPP Rel 99	AMR 12.2kbps	21.97	21.71	22.10	23.00	22.14	22.34	22.28	23.50	23.05	23.10	23.04	23.50
SCPP Rel 6	HSDPA Subtest-1	21.07	20.87	21.24	22.00	21.56	21.61	21.82	22.00	22.00	22.19	21.99	23.00
SCPP Rel 6	HSDPA Subtest-2	21.05	20.77	21.27	22.00	21.48	21.54	21.59	22.00	22.00	22.25	22.02	22.50
SCPP Rel 6	HSDPA Subtest-3	20.62	20.38	20.79	21.50	21.14	21.15	21.18	21.50	21.55	21.80	21.59	22.00
SCPP Rel 6	HSDPA Subtest-4	20.55	20.38	20.78	21.50	21.03	21.07	21.13	21.50	21.55	21.79	21.51	22.00
SCPP Rel 8	DC-HSDPA Subtest-1	21.01	20.82	21.20	22.00	21.45	21.53	21.63	22.00	21.98	22.16	21.93	23.00
SCPP Rel 8	DC-HSDPA Subtest-2	21.05	20.76	21.13	22.00	21.54	21.50	21.55	22.00	21.95	22.23	22.01	22.50
SCPP Rel 8	DC-HSDPA Subtest-3	20.50	20.25	20.78	21.50	21.03	21.22	21.14	21.50	21.53	21.78	21.55	22.00
SCPP Rel 8	DC-HSDPA Subtest-4	20.37	20.29	20.74	21.50	20.96	21.08	21.11	21.50	21.52	21.75	21.50	22.00
SCPP Rel 6	HSUPA Subtest-1	19.53	19.55	19.60	21.50	19.53	19.58	19.57	21.50	19.99	20.00	20.05	21.50
SCPP Rel 6	HSUPA Subtest-2	18.55	18.61	19.17	20.00	19.55	19.55	19.57	20.00	20.01	20.04	20.10	20.50
SCPP Rel 6	HSUPA Subtest-3	20.03	18.71	20.22	21.00	20.50	20.48	20.42	20.90	21.04	21.00	21.06	21.50
SCPP Rel 6	HSUPA Subtest-4	18.53	18.17	18.70	19.50	19.02	19.07	19.13	19.50	19.60	19.60	19.62	20.50
SCPP Rel 6	HSUPA Subtest-5	19.59	19.68	20.25	21.50	20.60	20.70	20.60	21.50	21.00	21.00	21.10	22.50
SCPP Rel 7	TSPAN (TCDMA) Subtest-1	19.06	19.02	19.10	21.00	19.34	19.45	19.29	21.00	20.00	20.02	20.05	22.00



















## Band 48\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.		
Channel				55340	55830	56150	56640		
Frequency (MHz)				3690	3690	3690	3690		
20	QPSK	1	0	20.69	20.59	20.59	20.56	21.5	0
20	QPSK	1	49	20.59	20.55	20.45	20.51		
20	QPSK	1	99	20.48	20.48	20.40	20.46		
20	QPSK	50	0	20.83	20.57	20.53	20.54		
20	QPSK	50	24	20.60	20.55	20.54	20.42	21.5	0
20	QPSK	50	50	20.58	20.46	20.52	20.52		
20	QPSK	100	0	20.82	20.56	20.37	20.50		
20	16QAM	1	0	20.58	20.55	20.41	20.57		
20	16QAM	1	49	20.43	20.51	20.48	20.58	21.5	0
20	16QAM	1	99	20.57	20.56	20.40	20.36		
20	16QAM	50	0	20.44	20.46	20.45	20.42		
20	16QAM	50	24	20.42	20.80	20.44	20.45		
20	16QAM	50	50	20.49	20.46	20.60	20.58	21.5	0
20	16QAM	100	0	20.43	20.48	20.44	20.45		
20	16QAM	50	24	20.42	20.80	20.44	20.45		
20	16QAM	50	50	20.49	20.46	20.60	20.58		
20	64QAM	1	0	20.40	20.47	20.59	20.55	21.5	0
20	64QAM	1	49	20.42	20.51	20.55	20.51		
20	64QAM	50	24	20.45	20.41	20.35	20.39		
20	64QAM	50	50	20.44	20.39	20.30	20.43		
20	256QAM	1	0	18.00	17.87	17.93	17.86	19	2.5
20	256QAM	1	49	17.89	17.84	17.80	17.74		
20	256QAM	1	99	18.03	17.89	17.98	17.91		
20	256QAM	50	0	17.89	17.79	17.84	17.79		
20	256QAM	50	24	17.91	17.81	17.82	17.81	19	2.5
20	256QAM	50	50	17.99	17.93	17.87	17.88		
20	256QAM	100	0	17.98	17.86	17.84	17.86		
Channel				55715	56200	56160	56650		
Frequency (MHz)				3692.5	3690	3692	3692.2		
15	QPSK	1	0	20.41	20.58	20.41	20.41	21.5	0
15	QPSK	1	37	20.54	20.50	20.53	20.54		
15	QPSK	1	74	20.48	20.49	20.49	20.53		
15	QPSK	36	0	20.46	20.48	20.51	20.41		
15	QPSK	36	20	20.46	20.58	20.57	20.51	21.5	0
15	QPSK	36	39	20.53	20.55	20.52	20.48		
15	QPSK	75	0	20.56	20.56	20.31	20.57		
15	16QAM	1	0	20.41	20.80	20.80	20.56		
15	16QAM	1	37	20.46	20.59	20.57	20.80	21.5	0
15	16QAM	1	74	20.58	20.52	20.44	20.44		
15	16QAM	36	0	20.51	20.44	20.44	20.47		
15	16QAM	36	20	20.54	20.39	20.50	20.43		
15	16QAM	36	39	20.45	20.47	20.36	20.34	21.5	0
15	16QAM	75	0	20.59	20.52	20.40	20.47		
15	64QAM	1	0	20.47	20.51	20.51	20.48		
15	64QAM	1	37	20.49	20.55	20.44	20.35		
15	64QAM	1	74	20.40	20.36	20.36	20.39	21.5	0
15	64QAM	36	0	20.59	20.53	20.53	20.40		
15	64QAM	36	20	20.45	20.39	20.36	20.35		
15	64QAM	36	39	20.40	20.32	20.30	20.42		
15	64QAM	75	0	20.47	20.52	20.48	20.41	19	2.5
15	256QAM	1	0	17.80	17.72	17.70	17.75		
15	256QAM	1	37	17.72	17.72	17.60	17.51		
15	256QAM	1	74	17.87	17.74	17.87	17.79		
15	256QAM	36	0	17.78	17.59	17.60	17.57	19	2.5
15	256QAM	36	20	17.69	17.61	17.68	17.63		
15	256QAM	36	39	17.77	17.71	17.73	17.73		
15	256QAM	75	0	17.78	17.74	17.67	17.75		
Channel				55900	56015	56100	56700		
Frequency (MHz)				3697.5	3697.5	3692.5	3695		
10	QPSK	1	0	20.46	20.80	20.44	20.39	21.5	0
10	QPSK	1	25	20.41	20.59	20.58	20.59		
10	QPSK	1	49	20.49	20.48	20.50	20.58		
10	QPSK	25	0	20.60	20.47	20.59	20.48		
10	QPSK	25	12	20.41	20.48	20.57	20.58	21.5	0
10	QPSK	25	25	20.44	20.56	20.47	20.56		
10	16QAM	1	0	20.42	20.44	20.39	20.54		
10	16QAM	1	25	20.59	20.46	20.54	20.42		
10	16QAM	1	49	20.41	20.62	20.46	20.60	21.5	0
10	16QAM	1	99	20.56	20.50	20.40	20.40		
10	16QAM	25	0	20.57	20.47	20.53	20.40		
10	16QAM	25	12	20.55	20.49	20.53	20.49		
10	16QAM	25	25	20.53	20.55	20.39	20.39	21.5	0
10	16QAM	50	0	20.53	20.56	20.41	20.53		
10	64QAM	1	0	20.47	20.46	20.51	20.46		
10	64QAM	1	25	20.50	20.55	20.37	20.44		
10	64QAM	1	49	20.45	20.29	20.43	20.39	21.5	0
10	64QAM	25	0	20.58	20.53	20.53	20.47		
10	64QAM	25	12	20.46	20.46	20.35	20.35		
10	64QAM	25	25	20.34	20.42	20.27	20.39		
10	256QAM	1	0	17.82	17.67	17.75	17.77	19	2.5
10	256QAM	1	25	17.70	17.63	17.65	17.62		
10	256QAM	1	49	17.80	17.73	17.74	17.67		
10	256QAM	25	0	17.88	17.68	17.63	17.57		
10	256QAM	25	12	17.89	17.70	17.70	17.60	19	2.5
10	256QAM	25	25	17.67	17.70	17.74	17.71		
10	256QAM	50	0	17.80	17.64	17.64	17.75		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3697.5	3707	3743	3697.5		
5	QPSK	1	0	20.41	20.58	20.45	20.45	21.5	0
5	QPSK	1	12	20.42	20.51	20.57	20.41		
5	QPSK	1	24	20.44	20.43	20.40	20.54		
5	QPSK	12	0	20.45	20.40	20.60	20.54		
5	QPSK	12	7	20.56	20.47	20.47	20.55	21.5	0
5	QPSK	12	13	20.53	20.52	20.45	20.56		
5	QPSK	25	0	20.44	20.60	20.36	20.50		
5	16QAM	1	0	20.46	20.68	20.41	20.57		
5	16QAM	1	12	20.44	20.54	20.42	20.42	21.5	0
5	16QAM	1	24	20.56	20.51	20.47	20.44		
5	16QAM	12	0	20.50	20.83	20.47	20.40		
5	16QAM	12	7	20.58	20.48	20.45	20.48		
5	16QAM	12	13	20.49	20.53	20.46	20.36	21.5	0
5	16QAM	25	0	20.42	20.57	20.44	20.41		
5	64QAM	1	0	20.57	20.46	20.39	20.39		
5	64QAM	1	12	20.57	20.49	20.38	20.36		
5	64QAM	1	24	20.43	20.37	20.38	20.29	21.5	0
5	64QAM	12	0	20.57	20.48	20.44	20.50		
5	64QAM	12	7	20.54	20.40	20.34	20.45		
5	64QAM	12	13	20.37	20.33	20.28	20.43		
5	256QAM	1	0	17.62	17.64	17.82	17.74	19	2.5
5	256QAM	1	12	17.67	17.62	17.58	17.52		
5	256QAM	1	24	17.52	17.76	17.81	17.67		
5	256QAM	12	0	17.79	17.56	17.62	17.63		
5	256QAM	12	7	17.67	17.66	17.67	17.80	19	2.5
5	256QAM	12	13	17.86	17.69	17.75	17.70		
5	256QAM	25	0	17.84	17.71	17.61	17.68		



## Reduced Power for State 4

GSM									
GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit	
	126	189	261		126	189	261		
TX Channel	834.2	836.4	848.8	834.2	836.4	848.8	834.2	836.4	848.8
Frequency (MHz)	30.85	31.01	30.80	31.50	21.88	22.01	21.80	22.50	22.50
GSM 1 Tx slot	30.85	30.98	30.76	31.50	21.85	21.86	21.78	22.50	22.50
GPRS 1 Tx slots	30.23	30.26	30.20	31.00	24.23	24.26	24.20	25.00	25.00
GPRS 2 Tx slots	28.70	28.98	29.75	29.50	24.44	24.62	24.49	25.00	25.00
GPRS 3 Tx slots	27.48	27.73	27.66	28.00	24.48	24.73	24.55	25.00	25.00
GPRS 4 Tx slots	28.51	28.87	28.98	28.50	18.91	18.97	18.98	17.50	17.50
EDGE 1 Tx slot	25.03	25.01	25.07	25.50	19.03	19.01	19.07	18.50	18.50
EDGE 2 Tx slots	23.33	23.50	23.43	24.00	19.07	19.24	19.17	19.74	19.74
EDGE 3 Tx slots	22.45	22.44	22.44	22.80	19.45	19.44	19.44	18.60	18.60
EDGE 4 Tx slots									

  

GSM1900_Ant 2									
TX Channel	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit	
	512	661	810		512	661	810		
Frequency (MHz)	1829.2	1830	1829.8	1829.2	1830	1829.8	1829.2	1830	1829.8
GSM 1 Tx slot	29.44	29.59	29.40	30.00	20.44	20.59	20.40	21.00	21.00
GPRS 1 Tx slot	29.41	29.57	29.36	30.00	20.41	20.57	20.36	21.00	21.00
GPRS 2 Tx slots	28.55	28.98	28.77	29.50	22.95	22.98	22.77	23.50	23.50
GPRS 3 Tx slots	26.69	26.70	26.61	27.50	22.40	22.44	22.35	23.24	23.24
GPRS 4 Tx slots	25.41	25.51	25.35	26.50	22.41	22.51	22.35	23.50	23.50
EDGE 1 Tx slot	25.71	25.71	25.81	26.00	18.71	18.71	18.81	17.80	17.80
EDGE 2 Tx slots	24.55	24.78	24.74	25.00	18.55	18.78	18.74	20.00	20.00
EDGE 3 Tx slots	22.87	23.01	22.87	24.00	18.71	18.75	18.61	19.74	19.74
EDGE 4 Tx slots	21.68	22.04	22.01	23.00	18.98	19.04	19.01	20.00	20.00

WCDMA													
Band	WCDMA I_Ant 2			Tune-up Limit	WCDMA IV_Ant 2			Tune-up Limit	WCDMA V_Ant 0			Tune-up Limit	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9602	9800	9938	Limit	1537	1638	1738	4387	4407	4458	Limit		
Frequency (MHz)	1825.4	1825	1825.6	(dBm)	1712.4	1722.4	1722.6	826.4	836.4	846.6	(dBm)		
3GPP Rel 99	AMR 12.2Kbps	20.96	20.70	21.10	22.00	21.63	21.82	21.73	23.00	23.00	23.05	23.01	23.50
3GPP Rel 99	RM-C 12.2Kbps	20.98	20.71	21.12	22.00	21.85	21.84	21.78	23.00	23.05	23.10	23.04	23.50
3GPP Rel 6	HSDPA Subtest-1	20.13	19.92	20.36	21.00	20.94	21.10	21.00	21.50	22.00	22.19	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	20.16	19.93	20.39	21.00	20.95	21.01	21.06	21.50	22.00	22.25	22.02	22.50
3GPP Rel 6	HSDPA Subtest-3	19.67	19.47	19.95	20.50	20.96	20.89	20.65	21.00	21.55	21.80	21.59	22.00
3GPP Rel 6	HSDPA Subtest-4	19.67	19.45	19.92	20.50	20.95	20.93	20.91	21.00	21.55	21.79	21.51	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.10	19.90	20.33	21.00	20.96	21.08	21.07	21.50	21.98	22.18	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.11	19.87	20.27	21.00	20.97	20.94	21.04	21.50	21.95	22.23	22.01	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.65	19.41	19.87	20.50	20.47	20.82	20.87	21.00	21.53	21.78	21.55	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.43	19.36	19.86	20.50	20.42	20.51	20.50	21.00	21.52	21.75	21.50	22.00
3GPP Rel 8	HSUPA Subtest-1	18.61	18.90	18.62	20.50	19.00	19.02	19.05	21.00	19.99	20.00	20.05	21.50
3GPP Rel 8	HSUPA Subtest-2	18.07	17.77	18.27	19.00	18.90	18.98	19.00	19.50	20.01	20.04	20.10	20.50
3GPP Rel 8	HSUPA Subtest-3	19.12	18.87	19.29	20.00	19.90	19.96	19.93	20.00	21.04	21.00	21.08	21.50
3GPP Rel 8	HSUPA Subtest-4	17.66	17.33	17.80	18.50	18.54	18.57	18.60	19.00	19.60	19.60	18.62	20.50
3GPP Rel 6	HSUPA Subtest-5	19.10	18.80	19.30	20.50	20.14	20.09	20.09	21.00	21.00	21.00	21.10	22.50
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	18.12	18.16	18.22	20.00	18.76	18.92	18.70	20.50	20.00	20.02	20.05	22.00









Band 17\_Ant 0

Table with 8 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq. 23790, Power Middle Ch./Freq. 23790, Power High Ch./Freq. 23960, Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 25\_Ant 2

Table with 8 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq. 26140, Power Middle Ch./Freq. 26140, Power High Ch./Freq. 26310, Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).





Band 26\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mide, Power High, Tune-up limit, MPR. Contains multiple channel frequency lists for various modulation types and power levels.

Band 66\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mide, Power High, Tune-up limit, MPR. Contains multiple channel frequency lists for various modulation types and power levels.







## Band 48\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Low Middle Ch. / Freq	High Middle Ch. / Freq	High Ch. / Freq		
Channel				55340	55830	56150	56560		
Frequency (MHz)				3690	3690	3690	3690		
20	QPSK	1	0	19.59	19.55	19.43	19.50	20.5	0
20	QPSK	1	49	19.56	19.44	19.40	19.48		
20	QPSK	1	99	19.38	19.37	19.39	19.47		
20	QPSK	50	0	19.58	19.53	19.40	19.52		
20	QPSK	50	24	19.51	19.45	19.39	19.46	20.5	0
20	QPSK	50	50	19.45	19.48	19.36	19.50		
20	QPSK	100	0	19.53	19.52	19.25	19.43		
20	16QAM	1	0	19.41	19.44	19.47	19.44		
20	16QAM	1	49	19.40	19.43	19.42	19.41	20.5	0
20	16QAM	1	99	19.42	19.42	19.40	19.40		
20	16QAM	50	0	19.41	19.44	19.43	19.44		
20	16QAM	50	24	19.44	19.49	19.48	19.41		
20	16QAM	50	50	19.46	19.47	19.47	19.46	20.5	0
20	16QAM	100	0	19.49	19.46	19.47	19.42		
20	84QAM	1	0	19.40	19.40	19.43	19.40		
20	84QAM	1	49	19.47	19.49	19.45	19.39		
20	84QAM	1	99	19.44	19.33	19.39	19.35	20.5	0
20	84QAM	50	0	19.41	19.42	19.46	19.48		
20	84QAM	50	24	19.49	19.46	19.48	19.35		
20	84QAM	50	50	19.49	19.42	19.46	19.39		
20	84QAM	100	0	19.46	19.46	19.42	19.40	20.5	0
20	256QAM	1	0	18.00	17.87	17.93	17.96		
20	256QAM	1	49	17.89	17.84	17.80	17.74		
20	256QAM	1	99	18.03	17.89	17.98	17.91		
20	256QAM	50	0	17.89	17.79	17.84	17.79	19	1.5
20	256QAM	50	24	17.91	17.81	17.82	17.81		
20	256QAM	50	50	17.99	17.93	17.87	17.88		
20	256QAM	100	0	17.98	17.86	17.84	17.86		
Channel				55515	55620	56160	56855		
Frequency (MHz)				3692.5	3693	3692.5	3692.5		
15	QPSK	1	0	19.44	19.44	19.43	19.31	20.5	0
15	QPSK	1	37	19.47	19.43	19.41	19.45		
15	QPSK	1	74	19.47	19.49	19.42	19.45		
15	QPSK	36	0	19.48	19.40	19.48	19.42		
15	QPSK	36	20	19.40	19.46	19.46	19.44	20.5	0
15	QPSK	36	39	19.49	19.45	19.35	19.41		
15	QPSK	75	0	19.49	19.47	19.21	19.40		
15	16QAM	1	0	19.42	19.43	19.44	19.48		
15	16QAM	1	37	19.42	19.41	19.40	19.48	20.5	0
15	16QAM	1	74	19.47	19.37	19.39	19.38		
15	16QAM	36	0	19.40	19.44	19.44	19.43		
15	16QAM	36	20	19.44	19.44	19.43	19.40		
15	16QAM	36	39	19.45	19.46	19.37	19.35	20.5	0
15	16QAM	75	0	19.41	19.45	19.49	19.43		
15	84QAM	1	0	19.40	19.38	19.47	19.43		
15	84QAM	1	37	19.46	19.43	19.39	19.34		
15	84QAM	1	74	19.47	19.35	19.34	19.32	20.5	0
15	84QAM	36	0	19.49	19.40	19.46	19.45		
15	84QAM	36	20	19.43	19.49	19.48	19.41		
15	84QAM	36	39	19.44	19.46	19.37	19.38		
15	84QAM	75	0	19.45	19.45	19.37	19.38	20.5	0
15	256QAM	1	0	17.80	17.72	17.70	17.75		
15	256QAM	1	37	17.72	17.72	17.80	17.71		
15	256QAM	1	74	17.87	17.74	17.87	17.79		
15	256QAM	36	0	17.78	17.59	17.80	17.57	19	1.5
15	256QAM	36	20	17.69	17.61	17.68	17.63		
15	256QAM	36	39	17.77	17.71	17.73	17.73		
15	256QAM	75	0	17.78	17.74	17.67	17.75		
Channel				55615	55615	56175	56905		
Frequency (MHz)				3695	3697.5	3692.5	3695		
10	QPSK	1	0	19.48	19.45	19.33	19.36	20.5	0
10	QPSK	1	25	19.48	19.43	19.47	19.46		
10	QPSK	1	49	19.48	19.36	19.45	19.42		
10	QPSK	25	0	19.41	19.42	19.40	19.47		
10	QPSK	25	12	19.49	19.47	19.45	19.46	20.5	0
10	QPSK	25	25	19.46	19.40	19.42	19.48		
10	QPSK	50	0	19.43	19.48	19.28	19.44		
10	16QAM	1	0	19.49	19.41	19.42	19.47		
10	16QAM	1	25	19.44	19.44	19.43	19.41	20.5	0
10	16QAM	1	49	19.43	19.42	19.42	19.35		
10	16QAM	25	0	19.42	19.49	19.44	19.43		
10	16QAM	25	12	19.49	19.40	19.47	19.40		
10	16QAM	25	25	19.46	19.42	19.49	19.35	20.5	0
10	16QAM	50	0	19.40	19.45	19.41	19.46		
10	84QAM	1	0	19.45	19.41	19.45	19.38		
10	84QAM	1	25	19.49	19.41	19.38	19.43		
10	84QAM	1	49	19.49	19.35	19.31	19.28	20.5	0
10	84QAM	25	0	19.41	19.47	19.49	19.43		
10	84QAM	25	12	19.49	19.40	19.46	19.45		
10	84QAM	25	25	19.49	19.48	19.44	19.35		
10	84QAM	50	0	19.45	19.44	19.46	19.39	20.5	0
10	256QAM	1	0	17.62	17.67	17.75	17.77		
10	256QAM	1	25	17.70	17.63	17.65	17.62		
10	256QAM	1	49	17.80	17.73	17.74	17.87		
10	256QAM	25	0	17.68	17.63	17.83	17.57	19	1.5
10	256QAM	25	12	17.89	17.70	17.70	17.60		
10	256QAM	25	25	17.87	17.70	17.74	17.71		
10	256QAM	50	0	17.80	17.64	17.64	17.75		
Channel				55655	55810	56170	56715		
Frequency (MHz)				3697.5	3697	3643	3697.5		
5	QPSK	1	0	19.47	19.49	19.33	19.35	20.5	0
5	QPSK	1	12	19.44	19.44	19.41	19.42		
5	QPSK	1	24	19.43	19.43	19.42	19.40		
5	QPSK	12	0	19.46	19.49	19.45	19.40		
5	QPSK	12	7	19.42	19.40	19.41	19.47	20.5	0
5	QPSK	12	13	19.48	19.48	19.47	19.41		
5	QPSK	25	0	19.46	19.48	19.23	19.43		
5	16QAM	1	0	19.44	19.41	19.42	19.48		
5	16QAM	1	12	19.49	19.42	19.49	19.47	20.5	0
5	16QAM	1	24	19.47	19.36	19.43	19.41		
5	16QAM	12	0	19.40	19.48	19.47	19.45		
5	16QAM	12	7	19.40	19.45	19.47	19.45		
5	16QAM	12	13	19.49	19.43	19.49	19.45	20.5	0
5	16QAM	25	0	19.40	19.48	19.43	19.46		
5	84QAM	1	0	19.49	19.44	19.44	19.41		
5	84QAM	1	12	19.46	19.43	19.44	19.44		
5	84QAM	1	24	19.41	19.33	19.42	19.29	20.5	0
5	84QAM	12	0	19.49	19.47	19.49	19.41		
5	84QAM	12	7	19.44	19.44	19.49	19.36		
5	84QAM	12	13	19.47	19.38	19.43	19.40		
5	84QAM	25	0	19.44	19.41	19.36	19.49	20.5	0
5	256QAM	1	0	17.64	17.64	17.82	17.74		
5	256QAM	1	12	17.67	17.62	17.59	17.52		
5	256QAM	1	24	17.56	17.76	17.81	17.87		
5	256QAM	12	0	17.79	17.59	17.82	17.63	19	1.5
5	256QAM	12	7	17.67	17.66	17.67	17.60		
5	256QAM	12	13	17.66	17.69	17.75	17.76		
5	256QAM	25	0	17.64	17.71	17.61	17.68		



Full&Default Power ENDC Mode

Band 4\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains multiple channel entries for various frequencies and modulation schemes.

Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains multiple channel entries for various frequencies and modulation schemes.





### Band 38\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37650	38000	38150		
Frequency (MHz)				2560	2595	2610		
20	QPSK	1	0	23.00	23.02	22.99	24	0
20	QPSK	1	48	22.88	22.87	22.91		
20	QPSK	1	99	22.84	22.88	22.84		
20	QPSK	50	0	22.48	22.50	22.47	23.5	0.5
20	QPSK	50	24	22.39	22.35	22.38		
20	QPSK	50	50	22.35	22.34	22.38		
20	QPSK	100	0	22.45	22.47	22.43	23.5	0.5
20	16QAM	1	0	22.42	22.43	22.38		
20	16QAM	1	48	22.43	22.44	22.32		
20	16QAM	1	99	22.34	22.38	22.39	22.5	1.5
20	16QAM	50	0	21.39	21.45	21.41		
20	16QAM	50	24	21.35	21.43	21.34		
20	16QAM	100	0	21.36	21.38	21.41	22.5	1.5
20	16QAM	100	0	21.44	21.44	21.40		
20	16QAM	100	0	21.36	21.38	21.41		
20	64QAM	1	48	21.35	21.41	21.34	22.5	1.5
20	64QAM	1	99	21.40	21.39	21.35		
20	64QAM	50	0	20.44	20.41	20.39		
20	64QAM	50	24	20.45	20.37	20.37	21.5	2.5
20	64QAM	50	50	20.40	20.39	20.38		
20	64QAM	100	0	20.49	20.37	20.35		
20	256QAM	1	0	18.35	18.42	18.33	19.5	4.5
20	256QAM	1	48	18.42	18.39	18.33		
20	256QAM	1	99	18.43	18.47	18.39		
20	256QAM	50	0	18.41	18.38	18.39	19.5	4.5
20	256QAM	50	24	18.37	18.38	18.39		
20	256QAM	50	50	18.35	18.42	18.37		
20	256QAM	100	0	18.39	18.41	18.43		
Channel				37675	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.86	22.90	22.91	24	0
15	QPSK	1	37	22.78	22.73	22.89		
15	QPSK	1	74	22.75	22.82	22.73		
15	QPSK	38	0	22.42	22.35	22.37	23.5	0.5
15	QPSK	38	20	22.34	22.29	22.31		
15	QPSK	38	89	22.28	22.25	22.29		
15	QPSK	75	0	22.40	22.34	22.38	23.5	0.5
15	16QAM	1	0	22.34	22.38	22.31		
15	16QAM	1	37	22.29	22.35	22.18		
15	16QAM	1	74	22.19	22.25	22.23	22.5	1.5
15	16QAM	38	0	21.34	21.31	21.31		
15	16QAM	38	20	21.27	21.27	21.27		
15	16QAM	75	0	21.32	21.25	21.25	22.5	1.5
15	16QAM	75	0	21.30	21.31	21.28		
15	64QAM	1	0	21.30	21.30	21.29		
15	64QAM	1	37	21.23	21.29	21.24	22.5	1.5
15	64QAM	1	74	21.28	21.30	21.25		
15	64QAM	38	0	20.29	20.35	20.24		
15	64QAM	38	20	20.37	20.28	20.27	21.5	2.5
15	64QAM	38	89	20.35	20.33	20.28		
15	64QAM	75	0	20.34	20.28	20.21		
15	256QAM	1	0	18.24	18.29	18.28	19.5	4.5
15	256QAM	1	37	18.15	18.23	18.18		
15	256QAM	1	74	18.35	18.37	18.28		
15	256QAM	38	0	18.28	18.30	18.31	19.5	4.5
15	256QAM	38	20	18.37	18.33	18.28		
15	256QAM	38	89	18.28	18.30	18.28		
15	256QAM	75	0	18.34	18.35	18.37		
Channel				37700	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.83	22.86	22.91	24	0
10	QPSK	1	25	22.80	22.79	22.77		
10	QPSK	1	49	22.70	22.83	22.69		
10	QPSK	25	0	22.40	22.38	22.33	23.5	0.5
10	QPSK	25	12	22.28	22.26	22.23		
10	QPSK	25	25	22.22	22.29	22.27		
10	QPSK	50	0	22.30	22.35	22.33	23.5	0.5
10	16QAM	1	0	22.32	22.31	22.31		
10	16QAM	1	25	22.27	22.31	22.27		
10	16QAM	1	49	22.21	22.22	22.27	23.5	0.5
10	16QAM	25	0	21.27	21.34	21.35		
10	16QAM	25	12	21.26	21.33	21.25		
10	16QAM	25	25	21.33	21.27	21.30	22.5	1.5
10	16QAM	50	0	21.29	21.26	21.36		
10	64QAM	1	0	21.33	21.36	21.28		
10	64QAM	1	25	21.20	21.27	21.22	22.5	1.5
10	64QAM	1	49	21.29	21.24	21.27		
10	64QAM	25	0	20.30	20.28	20.23		
10	64QAM	25	12	20.30	20.28	20.27	21.5	2.5
10	64QAM	25	25	20.24	20.31	20.30		
10	64QAM	50	0	20.25	20.31	20.21		
10	256QAM	1	0	18.16	18.28	18.21	19.5	4.5
10	256QAM	1	25	18.27	18.24	18.25		
10	256QAM	1	49	18.29	18.38	18.23		
10	256QAM	25	0	18.32	18.33	18.28	19.5	4.5
10	256QAM	25	12	18.30	18.25	18.27		
10	256QAM	25	25	18.28	18.29	18.23		
10	256QAM	50	0	18.28	18.27	18.32		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.82	22.83	22.83	24	0
5	QPSK	1	12	22.82	22.82	22.75		
5	QPSK	1	24	22.77	22.81	22.76		
5	QPSK	12	0	22.40	22.42	22.42	23.5	0.5
5	QPSK	12	7	22.34	22.25	22.29		
5	QPSK	12	13	22.29	22.21	22.27		
5	QPSK	25	0	22.29	22.40	22.38	23.5	0.5
5	16QAM	1	0	22.37	22.28	22.32		
5	16QAM	1	12	22.27	22.31	22.16		
5	16QAM	1	24	22.20	22.29	22.27	22.5	1.5
5	16QAM	12	0	21.32	21.37	21.30		
5	16QAM	12	7	21.29	21.31	21.21		
5	16QAM	12	13	21.34	21.31	21.27	22.5	1.5
5	16QAM	25	0	21.31	21.29	21.36		
5	64QAM	1	0	21.28	21.28	21.30		
5	64QAM	1	12	21.29	21.33	21.25	22.5	1.5
5	64QAM	1	24	21.33	21.33	21.30		
5	64QAM	12	0	20.30	20.27	20.27		
5	64QAM	12	7	20.34	20.28	20.27	21.5	2.5
5	64QAM	12	13	20.35	20.33	20.23		
5	64QAM	25	0	20.25	20.22	20.24		
5	256QAM	1	0	18.25	18.33	18.18	19.5	4.5
5	256QAM	1	12	18.36	18.33	18.22		
5	256QAM	1	24	18.28	18.33	18.29		
5	256QAM	12	0	18.28	18.23	18.23	19.5	4.5
5	256QAM	12	7	18.32	18.24	18.23		
5	256QAM	12	13	18.28	18.28	18.28		
5	256QAM	25	0	18.27	18.25	18.25		



Reduced ENDG Power for State 1

Band 4\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel data for Band 4\_Ant 1.

Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel data for Band 5\_Ant 0.







### Band 38\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				2680	2696	2715		
Frequency (MHz)								
20	QPSK	1	0	18.39	18.38	18.44	19.5	0
20	QPSK	1	48	18.48	18.49	18.48		
20	QPSK	1	99	18.41	18.40	18.38		
20	QPSK	50	0	18.51	18.53	18.50		
20	QPSK	50	24	18.44	18.37	18.37		
20	QPSK	50	50	18.40	18.43	18.35		
20	QPSK	100	0	18.50	18.51	18.48		
20	16QAM	1	0	18.40	18.37	18.42		
20	16QAM	1	48	18.48	18.37	18.42		
20	16QAM	1	99	18.40	18.40	18.42		
20	16QAM	50	0	18.48	18.40	18.40		
20	16QAM	50	24	18.42	18.42	18.41		
20	16QAM	50	50	18.46	18.40	18.42		
20	16QAM	100	0	18.45	18.48	18.35		
20	16QAM	100	0	18.38	18.47	18.40		
20	64QAM	1	48	18.42	18.48	18.42		
20	64QAM	1	99	18.45	18.39	18.44		
20	64QAM	50	0	18.38	18.48	18.35		
20	64QAM	50	24	18.40	18.44	18.35		
20	64QAM	50	50	18.44	18.48	18.38		
20	64QAM	100	0	18.40	18.37	18.42		
20	256QAM	1	0	18.35	18.42	18.33		
20	256QAM	1	48	18.42	18.39	18.33		
20	256QAM	1	99	18.43	18.47	18.39		
20	256QAM	50	0	18.41	18.38	18.39		
20	256QAM	50	24	18.37	18.38	18.39		
20	256QAM	50	50	18.35	18.42	18.37		
20	256QAM	100	0	18.39	18.41	18.43		
Channel				3769.5	3800	3817.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2971.5	2995	2912.5		
15	QPSK	1	0	18.39	18.38	18.44	19.5	0
15	QPSK	1	37	18.44	18.38	18.39		
15	QPSK	1	74	18.38	18.40	18.40		
15	QPSK	38	0	18.44	18.40	18.41		
15	QPSK	38	20	18.35	18.41	18.37		
15	QPSK	38	89	18.37	18.37	18.42		
15	QPSK	75	0	18.43	18.48	18.42		
15	16QAM	1	0	18.38	18.39	18.41		
15	16QAM	1	37	18.42	18.39	18.38		
15	16QAM	1	74	18.40	18.39	18.41		
15	16QAM	38	0	18.45	18.47	18.40		
15	16QAM	38	20	18.41	18.39	18.34		
15	16QAM	38	39	18.44	18.39	18.41		
15	16QAM	75	0	18.38	18.39	18.45		
15	64QAM	1	0	18.45	18.38	18.45		
15	64QAM	1	37	18.48	18.39	18.38		
15	64QAM	1	74	18.41	18.41	18.34		
15	64QAM	38	0	18.37	18.40	18.34		
15	64QAM	38	20	18.44	18.43	18.35		
15	64QAM	38	39	18.39	18.38	18.38		
15	64QAM	75	0	18.38	18.43	18.42		
15	256QAM	1	0	18.24	18.29	18.28		
15	256QAM	1	37	18.35	18.23	18.18		
15	256QAM	1	74	18.35	18.37	18.28		
15	256QAM	38	0	18.28	18.30	18.31		
15	256QAM	38	20	18.37	18.33	18.28		
15	256QAM	38	39	18.28	18.30	18.28		
15	256QAM	75	0	18.34	18.35	18.37		
Channel				3780	3800	3820	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2975	2995	2915		
10	QPSK	1	0	18.39	18.40	18.42	19.5	0
10	QPSK	1	25	18.44	18.46	18.38		
10	QPSK	1	49	18.41	18.39	18.40		
10	QPSK	25	0	18.37	18.48	18.42		
10	QPSK	25	12	18.38	18.43	18.37		
10	QPSK	25	25	18.44	18.41	18.34		
10	QPSK	50	0	18.42	18.39	18.39		
10	16QAM	1	0	18.40	18.38	18.42		
10	16QAM	1	25	18.41	18.42	18.37		
10	16QAM	1	49	18.38	18.41	18.34		
10	16QAM	25	0	18.45	18.37	18.45		
10	16QAM	25	12	18.46	18.45	18.38		
10	16QAM	25	25	18.45	18.37	18.42		
10	16QAM	50	0	18.45	18.40	18.40		
10	64QAM	1	0	18.41	18.48	18.43		
10	64QAM	1	25	18.46	18.49	18.43		
10	64QAM	1	49	18.48	18.47	18.35		
10	64QAM	25	0	18.39	18.48	18.40		
10	64QAM	25	12	18.38	18.37	18.42		
10	64QAM	25	25	18.44	18.41	18.42		
10	64QAM	50	0	18.44	18.39	18.43		
10	256QAM	1	0	18.16	18.28	18.21		
10	256QAM	1	25	18.27	18.24	18.25		
10	256QAM	1	49	18.29	18.38	18.23		
10	256QAM	25	0	18.33	18.33	18.28		
10	256QAM	25	12	18.30	18.25	18.27		
10	256QAM	25	25	18.28	18.29	18.23		
10	256QAM	50	0	18.28	18.27	18.32		
Channel				3777.5	3800	3822.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2972.5	2995	2917.5		
5	QPSK	1	0	18.45	18.41	18.43	19.5	0
5	QPSK	1	12	18.45	18.45	18.34		
5	QPSK	1	24	18.35	18.48	18.37		
5	QPSK	12	0	18.42	18.47	18.41		
5	QPSK	12	7	18.38	18.45	18.39		
5	QPSK	12	13	18.37	18.42	18.40		
5	QPSK	25	0	18.38	18.44	18.35		
5	16QAM	1	0	18.42	18.40	18.37		
5	16QAM	1	12	18.41	18.42	18.38		
5	16QAM	1	24	18.41	18.48	18.45		
5	16QAM	12	0	18.48	18.45	18.40		
5	16QAM	12	7	18.38	18.39	18.37		
5	16QAM	12	13	18.42	18.45	18.37		
5	16QAM	25	0	18.42	18.44	18.34		
5	64QAM	1	0	18.48	18.47	18.39		
5	64QAM	1	12	18.39	18.37	18.38		
5	64QAM	1	24	18.37	18.42	18.35		
5	64QAM	12	0	18.39	18.47	18.37		
5	64QAM	12	7	18.42	18.42	18.38		
5	64QAM	12	13	18.45	18.38	18.41		
5	256QAM	25	0	18.38	18.41	18.37		
5	256QAM	1	0	18.25	18.33	18.18		
5	256QAM	1	12	18.38	18.33	18.22		
5	256QAM	1	24	18.28	18.33	18.29		
5	256QAM	12	0	18.28	18.23	18.23		
5	256QAM	12	7	18.32	18.24	18.23		
5	256QAM	12	13	18.28	18.28	18.28		
5	256QAM	25	0	18.23	18.25	18.22		







### Band 38\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				37650	38000	38150		
Frequency (MHz)				2550	2595	2610		
20	QPSK	1	0	20.32	20.53	20.50	21.5	0
20	QPSK	1	48	20.38	20.48	20.45		
20	QPSK	1	99	20.48	20.37	20.41		
20	QPSK	50	0	20.50	20.51	20.48		
20	QPSK	50	24	20.38	20.43	20.38		
20	QPSK	50	50	20.41	20.41	20.38		
20	QPSK	100	0	20.48	20.50	20.47		
20	16QAM	1	0	20.37	20.45	20.39		
20	16QAM	1	48	20.45	20.43	20.38		
20	16QAM	1	99	20.44	20.38	20.42		
20	16QAM	50	0	20.39	20.45	20.34		
20	16QAM	50	24	20.41	20.44	20.38		
20	16QAM	50	50	20.34	20.38	20.42		
20	16QAM	100	0	20.41	20.38	20.36		
20	16QAM	100	0	20.38	20.45	20.34		
20	64QAM	1	48	20.44	20.42	20.39		
20	64QAM	1	99	20.37	20.40	20.37		
20	64QAM	50	0	20.44	20.41	20.38		
20	64QAM	50	24	20.45	20.37	20.37		
20	64QAM	50	50	20.40	20.39	20.38		
20	64QAM	100	0	20.40	20.37	20.35		
20	256QAM	1	0	18.35	18.42	18.33		
20	256QAM	1	48	18.42	18.39	18.33		
20	256QAM	1	99	18.43	18.47	18.39		
20	256QAM	50	0	18.41	18.38	18.39		
20	256QAM	50	24	18.37	18.38	18.39		
20	256QAM	50	50	18.35	18.42	18.37		
20	256QAM	100	0	18.39	18.41	18.43		
Channel				37650	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.5	2595	2612.5		
15	QPSK	1	0	20.38	20.45	20.41	21.5	0
15	QPSK	1	37	20.43	20.48	20.39		
15	QPSK	1	74	20.35	20.41	20.40		
15	QPSK	38	0	20.42	20.45	20.35		
15	QPSK	38	20	20.42	20.44	20.42		
15	QPSK	38	89	20.35	20.40	20.38		
15	QPSK	75	0	20.44	20.37	20.38		
15	16QAM	1	0	20.39	20.37	20.38		
15	16QAM	1	37	20.38	20.40	20.39		
15	16QAM	1	74	20.38	20.41	20.34		
15	16QAM	38	0	20.37	20.48	20.40		
15	16QAM	38	20	20.35	20.42	20.40		
15	16QAM	38	39	20.42	20.38	20.32		
15	16QAM	75	0	20.44	20.48	20.38		
15	64QAM	1	0	20.43	20.38	20.42		
15	64QAM	1	37	20.39	20.42	20.40		
15	64QAM	1	74	20.38	20.41	20.43		
15	64QAM	38	0	20.29	20.35	20.24		
15	64QAM	38	20	20.37	20.28	20.27		
15	64QAM	38	89	20.35	20.33	20.28		
15	64QAM	75	0	20.34	20.28	20.21		
15	256QAM	1	0	18.24	18.29	18.28		
15	256QAM	1	37	18.15	18.23	18.18		
15	256QAM	1	74	18.35	18.37	18.28		
15	256QAM	38	0	18.28	18.30	18.31		
15	256QAM	38	20	18.37	18.33	18.28		
15	256QAM	38	89	18.28	18.30	18.28		
15	256QAM	75	0	18.34	18.35	18.37		
Channel				37650	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.45	20.38	20.37	21.5	0
10	QPSK	1	25	20.37	20.44	20.41		
10	QPSK	1	49	20.35	20.48	20.35		
10	QPSK	25	0	20.44	20.45	20.42		
10	QPSK	25	12	20.39	20.38	20.42		
10	QPSK	25	25	20.45	20.43	20.32		
10	QPSK	50	0	20.43	20.45	20.32		
10	16QAM	1	0	20.34	20.39	20.37		
10	16QAM	1	25	20.39	20.38	20.41		
10	16QAM	1	49	20.44	20.35	20.38		
10	16QAM	25	0	20.38	20.44	20.38		
10	16QAM	25	12	20.45	20.42	20.33		
10	16QAM	25	25	20.40	20.44	20.39		
10	16QAM	50	0	20.35	20.43	20.38		
10	64QAM	1	0	20.40	20.38	20.34		
10	64QAM	1	25	20.41	20.40	20.42		
10	64QAM	1	49	20.40	20.46	20.32		
10	64QAM	25	0	20.30	20.28	20.23		
10	64QAM	25	12	20.30	20.28	20.27		
10	64QAM	25	25	20.24	20.31	20.30		
10	16QAM	50	0	20.25	20.31	20.21		
10	256QAM	1	0	18.16	18.28	18.21		
10	256QAM	1	25	18.27	18.24	18.25		
10	256QAM	1	49	18.29	18.38	18.23		
10	256QAM	25	0	18.33	18.33	18.28		
10	256QAM	25	12	18.30	18.25	18.27		
10	256QAM	25	25	18.28	18.29	18.23		
10	256QAM	50	0	18.28	18.27	18.32		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.43	20.41	20.35	21.5	0
5	QPSK	1	12	20.39	20.35	20.32		
5	QPSK	1	24	20.44	20.40	20.33		
5	QPSK	12	0	20.38	20.42	20.36		
5	QPSK	12	7	20.39	20.39	20.34		
5	QPSK	12	13	20.41	20.43	20.34		
5	QPSK	25	0	20.42	20.38	20.38		
5	16QAM	1	0	20.34	20.41	20.37		
5	16QAM	1	12	20.34	20.37	20.39		
5	16QAM	1	24	20.42	20.44	20.34		
5	16QAM	12	0	20.44	20.39	20.42		
5	16QAM	12	7	20.35	20.39	20.43		
5	16QAM	12	13	20.39	20.46	20.43		
5	16QAM	25	0	20.39	20.40	20.32		
5	64QAM	1	0	20.35	20.41	20.32		
5	64QAM	1	12	20.38	20.46	20.33		
5	64QAM	1	24	20.38	20.42	20.37		
5	64QAM	12	0	20.30	20.27	20.27		
5	64QAM	12	7	20.34	20.28	20.27		
5	64QAM	12	13	20.35	20.33	20.23		
5	64QAM	25	0	20.25	20.22	20.24		
5	256QAM	1	0	18.25	18.33	18.18		
5	256QAM	1	12	18.36	18.33	18.22		
5	256QAM	1	24	18.28	18.33	18.29		
5	256QAM	12	0	18.28	18.23	18.23		
5	256QAM	12	7	18.32	18.24	18.23		
5	256QAM	12	13	18.28	18.28	18.28		
5	256QAM	25	0	18.23	18.25	18.25		



Reduced ENDC Power for State 4

Band 4\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Contains multiple rows of channel data for Band 4\_Ant 1.

Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Contains multiple rows of channel data for Band 5\_Ant 0.





### Band 38\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				2600	2650	2610				
20	QPSK	1	0	19.33	19.55	19.52	20.5	0		
20	QPSK	1	48	19.40	19.42	19.48				
20	QPSK	1	99	19.37	19.42	19.38				
20	QPSK	50	0	19.51	19.53	19.50				
20	QPSK	50	24	19.40	19.45	19.43				
20	QPSK	50	50	19.40	19.42	19.38				
20	QPSK	100	0	19.50	19.51	19.48				
20	16QAM	1	0	19.42	19.41	19.34				
20	16QAM	1	48	19.47	19.47	19.41				
20	16QAM	1	99	19.42	19.48	19.41				
20	16QAM	50	0	19.38	19.40	19.35	20.5	0		
20	16QAM	50	24	19.43	19.38	19.38				
20	16QAM	50	50	19.46	19.44	19.34				
20	16QAM	100	0	19.35	19.45	19.45				
20	16QAM	100	0	19.41	19.43	19.38				
20	64QAM	1	48	19.46	19.42	19.38				
20	64QAM	1	99	19.45	19.40	19.35				
20	64QAM	50	0	19.41	19.45	19.44				
20	64QAM	50	24	19.37	19.41	19.40				
20	64QAM	50	50	19.38	19.46	19.35				
20	256QAM	100	0	19.42	19.44	19.40	20.5	0		
20	256QAM	100	0	18.35	18.42	18.33				
20	256QAM	1	0	18.42	18.39	18.33				
20	256QAM	1	48	18.42	18.39	18.33				
20	256QAM	1	99	18.43	18.47	18.39				
20	256QAM	50	0	18.41	18.38	18.39				
20	256QAM	50	24	18.37	18.38	18.39				
20	256QAM	50	50	18.35	18.42	18.37				
20	256QAM	100	0	18.39	18.41	18.43				
Channel				37625	38000	38175				
Frequency (MHz)				2971.5	2995	2912.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	19.45	19.44	19.37	20.5	0		
15	QPSK	1	37	19.45	19.45	19.42				
15	QPSK	1	74	19.37	19.40	19.43				
15	QPSK	38	0	19.43	19.42	19.42				
15	QPSK	38	20	19.41	19.46	19.43				
15	QPSK	38	39	19.46	19.40	19.37				
15	QPSK	75	0	19.46	19.45	19.34				
15	16QAM	1	0	19.37	19.43	19.44				
15	16QAM	1	37	19.45	19.47	19.38				
15	16QAM	1	74	19.35	19.39	19.35				
15	16QAM	38	0	19.37	19.40	19.38	20.5	0		
15	16QAM	38	20	19.35	19.39	19.41				
15	16QAM	38	39	19.38	19.40	19.44				
15	16QAM	75	0	19.38	19.45	19.44				
15	64QAM	1	0	19.39	19.37	19.35				
15	64QAM	1	37	19.44	19.46	19.36				
15	64QAM	1	74	19.44	19.44	19.44				
15	64QAM	38	0	19.37	19.45	19.38				
15	64QAM	38	20	19.37	19.43	19.43				
15	64QAM	38	39	19.41	19.41	19.44				
15	64QAM	75	0	19.35	19.38	19.41	20.5	0		
15	256QAM	1	0	18.24	18.29	18.28				
15	256QAM	1	37	18.35	18.23	18.18				
15	256QAM	1	74	18.35	18.37	18.28				
15	256QAM	38	0	18.28	18.30	18.31				
15	256QAM	38	20	18.32	18.33	18.28				
15	256QAM	38	39	18.28	18.30	18.28				
15	256QAM	75	0	18.34	18.35	18.37				
Channel				37600	38000	38000				
Frequency (MHz)				2975	2995	2915			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.37	19.41	19.39	20.5	0		
10	QPSK	1	25	19.45	19.42	19.35				
10	QPSK	1	49	19.43	19.42	19.37				
10	QPSK	25	0	19.38	19.46	19.39				
10	QPSK	25	12	19.43	19.48	19.41				
10	QPSK	25	25	19.42	19.42	19.38				
10	QPSK	50	0	19.40	19.46	19.40				
10	16QAM	1	0	19.42	19.45	19.41				
10	16QAM	1	25	19.46	19.38	19.41				
10	16QAM	1	49	19.41	19.40	19.39				
10	16QAM	25	0	19.42	19.47	19.39	20.5	0		
10	16QAM	25	12	19.42	19.38	19.42				
10	16QAM	25	25	19.35	19.43	19.45				
10	16QAM	50	0	19.39	19.45	19.42				
10	16QAM	50	0	19.42	19.40	19.35				
10	64QAM	1	0	19.37	19.45	19.36				
10	64QAM	1	25	19.38	19.37	19.39				
10	64QAM	1	49	19.46	19.48	19.43				
10	64QAM	25	0	19.35	19.39	19.45				
10	64QAM	25	12	19.42	19.39	19.42				
10	64QAM	25	25	19.35	19.38	19.42				
10	64QAM	50	0	19.39	19.46	19.38	19.5	1		
10	256QAM	1	0	18.16	18.29	18.21				
10	256QAM	1	25	18.27	18.24	18.25				
10	256QAM	1	49	18.29	18.38	18.23				
10	256QAM	25	0	18.32	18.33	18.28				
10	256QAM	25	12	18.30	18.25	18.27				
10	256QAM	25	25	18.28	18.29	18.23				
10	256QAM	50	0	18.28	18.27	18.32				
Channel				37775	38000	38225				
Frequency (MHz)				2972.5	2995	2917.5			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.17	19.47	19.35	20.5	0		
5	QPSK	1	12	19.44	19.47	19.44				
5	QPSK	1	24	19.39	19.48	19.36				
5	QPSK	12	0	19.40	19.42	19.45				
5	QPSK	12	7	19.35	19.45	19.40				
5	QPSK	12	13	19.35	19.41	19.40				
5	QPSK	25	0	19.40	19.43	19.36				
5	16QAM	1	0	19.38	19.40	19.39				
5	16QAM	1	12	19.38	19.40	19.44				
5	16QAM	1	24	19.37	19.48	19.40				
5	16QAM	12	0	19.43	19.48	19.38	20.5	0		
5	16QAM	12	7	19.44	19.38	19.43				
5	16QAM	12	13	19.38	19.44	19.41				
5	16QAM	25	0	19.46	19.41	19.42				
5	64QAM	1	0	19.44	19.42	19.39				
5	64QAM	1	12	19.46	19.45	19.45				
5	64QAM	1	24	19.44	19.43	19.39				
5	64QAM	12	0	19.46	19.40	19.35				
5	64QAM	12	7	19.38	19.41	19.39				
5	64QAM	12	13	19.41	19.43	19.43				
5	64QAM	25	0	19.40	19.36	19.44	19.5	1		
5	256QAM	1	0	18.25	18.33	18.18				
5	256QAM	1	12	18.36	18.33	18.22				
5	256QAM	1	24	18.28	18.33	18.29				
5	256QAM	12	0	18.28	18.23	18.23				
5	256QAM	12	7	18.32	18.24	18.23				
5	256QAM	12	13	18.28	18.28	18.28				
5	256QAM	25	0	18.23	18.25	18.22				





**Uplink CA Power**

CA_7C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power State	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full	22.43	23.50
21100	20902	QPSK	1	0	0	0	1	0	Full	22.84	23.50
21350	21152	QPSK	1	0	0	0	1	0	Full	22.66	23.50
20850	21048	QPSK	1	0	0	0	1	0	State 1	14.27	15.50
21100	20902	QPSK	1	0	0	0	1	0	State 1	14.77	15.50
21350	21152	QPSK	1	0	0	0	1	0	State 1	14.75	15.50
20850	21048	QPSK	1	0	0	0	1	0	State 4	13.25	14.50
21100	20902	QPSK	1	0	0	0	1	0	State 4	13.76	14.50
21350	21152	QPSK	1	0	0	0	1	0	State 4	13.77	14.50
20850	21048	QPSK	1	0	0	0	1	0	State 3	19.71	20.50
21100	20902	QPSK	1	0	0	0	1	0	State 3	19.56	20.50
21350	21152	QPSK	1	0	0	0	1	0	State 3	19.70	20.50



Inter band UL CA Power

Band 2\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. [Freq.], Power Middle Ch. [Freq.], Power High Ch. [Freq.], Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel configurations for Band 2\_Ant 2.

Band 4\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. [Freq.], Power Middle Ch. [Freq.], Power High Ch. [Freq.], Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel configurations for Band 4\_Ant 2.



**Band 7\_Ant 1**

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				20850	21100	21350		
Frequency (MHz)				2110	2240	2260		
20	QPSK	1	0	22.41	22.41	22.41		
20	QPSK	1	49	22.41	22.38	22.43	23.5	0
20	QPSK	1	99	22.40	22.41	22.43		
20	QPSK	60	0	22.48	22.38	22.47		
20	QPSK	60	24	22.33	22.45	22.38	23.5	0
20	QPSK	60	50	22.35	22.42	22.38		
20	QPSK	100	0	22.45	22.47	22.43		
20	HQAM	1	0	22.37	22.39	22.41		
20	HQAM	1	49	22.37	22.35	22.35	23.5	0
20	HQAM	1	99	22.33	22.38	22.38		
20	HQAM	60	0	21.39	21.36	21.37		
20	HQAM	60	24	21.42	21.37	21.40	22.5	1
20	HQAM	60	50	21.43	21.46	21.38		
20	HQAM	100	0	21.40	21.38	21.39		
20	64QAM	1	0	21.37	21.45	21.42		
20	64QAM	1	49	21.41	21.45	21.34	22.5	1
20	64QAM	1	99	21.36	21.38	21.40		
20	64QAM	60	0	20.36	20.43	20.41		
20	64QAM	60	24	20.37	20.44	20.34	21.5	2
20	64QAM	60	50	20.43	20.38	20.37		
20	64QAM	100	0	20.32	20.37	20.37		
20	256QAM	1	0	18.34	18.40	18.31		
20	256QAM	49	49	18.37	18.41	18.41	19.5	4
20	256QAM	1	99	18.38	18.40	18.35		
20	256QAM	60	0	18.25	18.39	18.32		
20	256QAM	60	24	18.41	18.37	18.37	19.5	4
20	256QAM	60	50	18.41	18.41	18.33		
20	256QAM	100	0	18.43	18.41	18.43		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2077.5	2092.5	2092.5		
15	QPSK	1	0	22.33	22.41	22.33		
15	QPSK	1	37	22.33	22.31	22.37	23.5	0
15	QPSK	1	74	22.30	22.29	22.34		
15	QPSK	0	36	22.43	22.45	22.32		
15	QPSK	36	20	22.19	22.30	22.34	23.5	0
15	QPSK	36	36	22.24	22.32	22.29		
15	QPSK	0	75	22.40	22.31	22.36		
15	HQAM	1	0	22.27	22.27	22.36		
15	HQAM	1	37	22.21	22.25	22.27	23.5	0
15	HQAM	1	74	22.20	22.26	22.26		
15	HQAM	36	0	21.30	21.27	21.31		
15	HQAM	36	20	21.37	21.28	21.30	22.5	1
15	HQAM	36	39	21.31	21.34	21.31		
15	HQAM	75	0	21.31	21.29	21.29		
15	64QAM	0	1	21.28	21.33	21.33		
15	64QAM	1	37	21.31	21.38	21.24	22.5	1
15	64QAM	1	74	21.27	21.26	21.34		
15	64QAM	36	0	20.26	20.38	20.33		
15	64QAM	36	20	20.29	20.37	20.19	21.5	2
15	64QAM	36	39	20.26	20.36	20.21		
15	64QAM	75	0	20.17	20.31	20.31		
15	256QAM	1	0	18.24	18.32	18.22		
15	256QAM	1	37	18.24	18.33	18.32	19.5	4
15	256QAM	1	74	18.28	18.34	18.21		
15	256QAM	36	0	18.30	18.25	18.25		
15	256QAM	36	20	18.27	18.25	18.25	19.5	4
15	256QAM	36	39	18.35	18.35	18.18		
15	256QAM	75	0	18.32	18.23	18.17		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2095	2035	2095		
10	QPSK	1	0	22.41	22.47	22.47		
10	QPSK	1	25	22.32	22.32	22.27	23.5	0
10	QPSK	1	49	22.32	22.39	22.33		
10	QPSK	25	0	22.40	22.40	22.36		
10	QPSK	25	12	22.21	22.37	22.31	23.5	0
10	QPSK	25	25	22.24	22.26	22.25		
10	QPSK	0	50	22.36	22.39	22.31		
10	HQAM	1	0	22.31	22.28	22.25		
10	HQAM	1	25	22.28	22.24	22.25	23.5	0
10	HQAM	49	1	22.23	22.32	22.30		
10	HQAM	25	0	21.32	21.20	21.30		
10	HQAM	25	12	21.27	21.21	21.29		
10	HQAM	25	25	21.29	21.27	21.24	22.5	1
10	HQAM	60	0	21.31	21.27	21.34		
10	64QAM	1	0	21.30	21.28	21.32		
10	64QAM	1	25	21.34	21.39	21.28	22.5	1
10	64QAM	1	49	21.22	21.21	21.36		
10	64QAM	25	0	20.23	20.34	20.28		
10	64QAM	25	12	20.23	20.38	20.20		
10	64QAM	25	25	20.33	20.26	20.29	21.5	2
10	64QAM	60	0	20.19	20.25	20.22		
10	256QAM	1	0	18.18	18.29	18.21		
10	256QAM	1	25	18.25	18.26	18.39	19.5	4
10	256QAM	1	49	18.33	18.27	18.26		
10	256QAM	25	0	18.22	18.22	18.17		
10	256QAM	25	12	18.30	18.30	18.23	19.5	4
10	256QAM	25	25	18.31	18.31	18.27		
10	256QAM	60	0	18.32	18.27	18.36		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2092.5	2035	2097.5		
5	QPSK	1	0	22.43	22.43	22.40		
5	QPSK	1	12	22.34	22.28	22.34	23.5	0
5	QPSK	1	24	22.26	22.35	22.34		
5	QPSK	12	0	22.41	22.40	22.38		
5	QPSK	12	7	22.26	22.29	22.23	23.5	0
5	QPSK	12	13	22.21	22.26	22.26		
5	QPSK	25	0	22.39	22.28	22.33		
5	HQAM	1	0	22.32	22.29	22.27		
5	HQAM	1	12	22.25	22.29	22.22	23.5	0
5	HQAM	1	24	22.23	22.31	22.31		
5	HQAM	12	0	21.25	21.31	21.22		
5	HQAM	12	7	21.33	21.22	21.27	22.5	1
5	HQAM	12	13	21.32	21.31	21.28		
5	HQAM	25	0	21.33	21.23	21.28		
5	64QAM	1	0	21.29	21.37	21.34		
5	64QAM	1	12	21.28	21.34	21.24	22.5	1
5	64QAM	1	24	21.23	21.28	21.31		
5	64QAM	12	0	20.24	20.39	20.25		
5	64QAM	12	7	20.22	20.35	20.22	21.5	2
5	64QAM	12	13	20.33	20.27	20.28		
5	64QAM	25	0	20.17	20.29	20.30		
5	256QAM	1	0	18.18	18.33	18.21		
5	256QAM	1	12	18.25	18.27	18.33	19.5	4
5	256QAM	1	24	18.33	18.35	18.25		
5	256QAM	12	0	18.24	18.25	18.21		
5	256QAM	12	7	18.34	18.29	18.31	19.5	4
5	256QAM	12	13	18.26	18.26	18.17		
5	256QAM	25	0	18.28	18.26	18.30		



Inter band UL CA Reduced Power for State 1

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple entries for various modulation schemes (QPSK, 16QAM, etc.) and RB configurations across different channels.

Band 4\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple entries for various modulation schemes (QPSK, 16QAM, etc.) and RB configurations across different channels.

**Band 7\_Ant 1**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	22.50	22.52	22.48	23.5	0
20	QPSK	1	49	22.41	22.38	22.43		
20	QPSK	1	99	22.40	22.41	22.43		
20	QPSK	60	0	22.48	22.50	22.47		
20	QPSK	60	24	22.33	22.45	22.38	23.5	0
20	QPSK	60	50	22.36	22.42	22.38		
20	QPSK	100	0	22.45	22.47	22.43		
20	16QAM	1	0	22.37	22.39	22.41		
20	16QAM	1	49	22.37	22.35	22.35	23.5	0
20	16QAM	1	99	22.33	22.38	22.38		
20	16QAM	60	0	21.39	21.36	21.37		
20	16QAM	60	24	21.42	21.37	21.40		
20	16QAM	60	50	21.43	21.44	21.38	22.5	1
20	16QAM	100	0	21.40	21.38	21.39		
20	64QAM	1	0	21.37	21.45	21.42		
20	64QAM	1	49	21.41	21.45	21.34		
20	64QAM	1	99	21.36	21.38	21.40	22.5	1
20	64QAM	60	0	20.36	20.43	20.41		
20	64QAM	60	24	20.37	20.44	20.34		
20	64QAM	60	50	20.43	20.38	20.37		
20	64QAM	100	0	20.32	20.37	20.37	21.5	2
20	256QAM	1	0	18.34	18.40	18.31		
20	256QAM	49	49	18.37	18.41	18.41		
20	256QAM	1	99	18.38	18.40	18.35		
20	256QAM	60	0	18.25	18.39	18.32	19.5	4
20	256QAM	60	24	18.41	18.37	18.37		
20	256QAM	60	50	18.41	18.41	18.33		
20	256QAM	100	0	18.43	18.41	18.43		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
15	QPSK	1	0	22.33	22.41	22.33	23.5	0
15	QPSK	1	37	22.33	22.31	22.37		
15	QPSK	1	74	22.30	22.29	22.34		
15	QPSK	36	0	22.43	22.45	22.32		
15	QPSK	36	20	22.19	22.30	22.24	23.5	0
15	QPSK	36	39	22.24	22.32	22.29		
15	QPSK	75	0	22.40	22.31	22.36		
15	16QAM	1	0	22.27	22.27	22.38		
15	16QAM	1	37	22.31	22.28	22.37	23.5	0
15	16QAM	1	74	22.20	22.28	22.28		
15	16QAM	36	0	21.30	21.27	21.31		
15	16QAM	36	20	21.37	21.28	21.30		
15	16QAM	36	39	21.31	21.34	21.31	22.5	1
15	16QAM	75	0	21.31	21.29	21.29		
15	64QAM	1	0	21.28	21.33	21.33		
15	64QAM	1	37	21.31	21.38	21.24		
15	64QAM	1	74	21.27	21.26	21.32	22.5	1
15	64QAM	36	0	20.26	20.38	20.33		
15	64QAM	36	20	20.29	20.37	20.19		
15	64QAM	36	39	20.36	20.36	20.21		
15	64QAM	75	0	20.17	20.31	20.31	21.5	2
15	256QAM	1	0	18.24	18.32	18.22		
15	256QAM	1	37	18.28	18.33	18.32		
15	256QAM	1	74	18.28	18.34	18.21		
15	256QAM	36	0	18.30	18.25	18.25	19.5	4
15	256QAM	36	20	18.27	18.25	18.25		
15	256QAM	36	39	18.35	18.35	18.18		
15	256QAM	75	0	18.32	18.27	18.17		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
10	QPSK	1	0	22.41	22.46	22.42	23.5	0
10	QPSK	1	25	22.32	22.32	22.27		
10	QPSK	1	49	22.32	22.30	22.33		
10	QPSK	25	0	22.40	22.44	22.36		
10	QPSK	25	12	22.21	22.37	22.31	23.5	0
10	QPSK	25	25	22.24	22.26	22.25		
10	QPSK	50	0	22.38	22.39	22.31		
10	16QAM	1	0	22.31	22.28	22.25		
10	16QAM	1	25	22.28	22.24	22.25	23.5	0
10	16QAM	1	49	22.23	22.32	22.30		
10	16QAM	25	0	21.32	21.20	21.30		
10	16QAM	25	12	21.27	21.21	21.28		
10	16QAM	25	25	21.20	21.27	21.24	22.5	1
10	16QAM	50	0	21.31	21.27	21.34		
10	64QAM	1	0	21.30	21.28	21.32		
10	64QAM	1	25	21.34	21.39	21.28		
10	64QAM	1	49	21.22	21.21	21.38	22.5	1
10	64QAM	25	0	20.23	20.34	20.28		
10	64QAM	25	12	20.23	20.38	20.20		
10	64QAM	25	25	20.33	20.26	20.29		
10	64QAM	50	0	20.19	20.25	20.22	21.5	2
10	256QAM	1	0	18.18	18.29	18.21		
10	256QAM	1	25	18.25	18.26	18.39		
10	256QAM	1	49	18.33	18.27	18.26		
10	256QAM	25	0	18.22	18.22	18.17	19.5	4
10	256QAM	25	12	18.30	18.26	18.23		
10	256QAM	25	25	18.31	18.31	18.27		
10	256QAM	50	0	18.32	18.27	18.36		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
5	QPSK	1	0	22.43	22.43	22.40	23.5	0
5	QPSK	1	12	22.34	22.29	22.34		
5	QPSK	1	24	22.26	22.35	22.34		
5	QPSK	12	0	22.41	22.40	22.38		
5	QPSK	12	7	22.26	22.29	22.23	23.5	0
5	QPSK	12	13	22.21	22.26	22.26		
5	QPSK	25	0	22.39	22.38	22.33		
5	16QAM	1	0	22.32	22.29	22.27		
5	16QAM	1	12	22.25	22.29	22.22	23.5	0
5	16QAM	1	24	22.23	22.31	22.31		
5	16QAM	12	0	21.25	21.31	21.22		
5	16QAM	12	7	21.33	21.22	21.27		
5	16QAM	12	13	21.32	21.31	21.28	22.5	1
5	64QAM	1	0	21.29	21.37	21.34		
5	64QAM	1	12	21.29	21.34	21.24		
5	64QAM	1	24	21.23	21.28	21.31		
5	64QAM	12	0	20.24	20.39	20.29	21.5	2
5	64QAM	12	7	20.22	20.30	20.22		
5	64QAM	12	13	20.33	20.27	20.28		
5	64QAM	25	0	20.17	20.29	20.30		
5	256QAM	1	0	18.18	18.33	18.21	19.5	4
5	256QAM	1	12	18.25	18.27	18.33		
5	256QAM	1	24	18.33	18.35	18.25		
5	256QAM	12	0	18.24	18.25	18.21		
5	256QAM	12	7	18.34	18.29	18.31	19.5	4
5	256QAM	12	13	18.26	18.26	18.17		
5	256QAM	25	0	18.28	18.26	18.30		



Inter band UL CA Reduced Power for State 3

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel configurations for various frequencies and modulation schemes.

Band 4\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains multiple rows of channel configurations for various frequencies and modulation schemes.



### Band 7\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq			
Channel				20850	21100	21350			
Frequency (MHz)				20850	21100	21350			
20	QPSK	1	0	16.43	16.36	16.31	17.5	0	
20	QPSK	1	49	16.43	16.42	16.36			
20	QPSK	1	99	16.46	16.44	16.36			
20	QPSK	60	0	16.51	16.53	16.50	17.5	0	
20	QPSK	60	24	16.40	16.48	16.44			
20	QPSK	60	50	16.43	16.43	16.36			
20	QPSK	100	0	16.50	16.51	16.48	17.5	0	
20	HQAM	1	0	16.39	16.43	16.36			
20	HQAM	1	49	16.37	16.41	16.32			
20	HQAM	1	99	16.42	16.46	16.36	17.5	0	
20	HQAM	60	0	16.43	16.46	16.35			
20	HQAM	60	24	16.36	16.43	16.40			
20	HQAM	60	50	16.45	16.42	16.45	17.5	0	
20	HQAM	100	0	16.40	16.38	16.35			
20	HQAM	100	0	16.37	16.45	16.34			
20	HQAM	1	49	16.43	16.47	16.36	17.5	0	
20	HQAM	1	99	16.43	16.37	16.34			
20	HQAM	60	0	16.36	16.43	16.42			
20	HQAM	60	24	16.46	16.39	16.39	17.5	0	
20	HQAM	60	50	16.46	16.40	16.38			
20	HQAM	100	0	16.38	16.44	16.34			
20	ZSSBAM	1	0	16.41	16.42	16.44	17.5	0	
20	ZSSBAM	49	0	16.41	16.37	16.41			
20	ZSSBAM	1	99	16.39	16.46	16.44			
20	ZSSBAM	60	0	16.45	16.38	16.45	17.5	0	
20	ZSSBAM	60	24	16.37	16.48	16.38			
20	ZSSBAM	60	50	16.37	16.39	16.40			
20	ZSSBAM	100	0	16.43	16.41	16.44			
Channel				20925	21175	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20925	21175	21425			
15	QPSK	1	0	16.37	16.33	16.33	17.5	0	
15	QPSK	1	37	16.37	16.48	16.34			
15	QPSK	1	74	16.36	16.40	16.40			
15	QPSK	36	0	16.44	16.37	16.44	17.5	0	
15	QPSK	36	20	16.46	16.40	16.40			
15	QPSK	36	36	16.36	16.44	16.49			
15	QPSK	0	75	0	16.38	16.42	16.37	17.5	0
15	HQAM	1	0	16.45	16.38	16.41			
15	HQAM	1	37	16.43	16.39	16.43			
15	HQAM	1	74	16.35	16.48	16.41	17.5	0	
15	HQAM	36	0	16.41	16.48	16.36			
15	HQAM	36	20	16.45	16.43	16.34			
15	HQAM	36	36	16.46	16.37	16.44	17.5	0	
15	HQAM	75	0	16.45	16.42	16.35			
15	HQAM	0	1	16.44	16.46	16.34			
15	HQAM	1	37	16.43	16.42	16.38	17.5	0	
15	HQAM	1	74	16.39	16.45	16.36			
15	HQAM	36	0	16.44	16.40	16.39			
15	HQAM	36	20	16.43	16.48	16.44	17.5	0	
15	HQAM	36	36	16.41	16.40	16.45			
15	HQAM	75	0	16.40	16.41	16.45			
15	ZSSBAM	1	0	16.41	16.45	16.45	17.5	0	
15	ZSSBAM	1	37	16.40	16.39	16.38			
15	ZSSBAM	1	74	16.46	16.48	16.35			
15	ZSSBAM	36	0	16.40	16.43	16.36	17.5	0	
15	ZSSBAM	36	20	16.36	16.40	16.41			
15	ZSSBAM	36	36	16.46	16.46	16.38			
15	ZSSBAM	75	0	16.41	16.43	16.42			
Channel				20975	21125	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20975	21125	21375			
10	QPSK	1	0	16.40	16.41	16.36	17.5	0	
10	QPSK	1	25	16.36	16.46	16.39			
10	QPSK	1	49	16.37	16.48	16.45			
10	QPSK	25	0	16.45	16.41	16.45	17.5	0	
10	QPSK	25	12	16.37	16.48	16.43			
10	QPSK	25	25	16.45	16.39	16.35			
10	QPSK	0	50	0	16.45	16.48	16.38	17.5	0
10	HQAM	1	0	16.40	16.41	16.45			
10	HQAM	1	25	16.45	16.39	16.39			
10	HQAM	1	49	16.43	16.39	16.44	17.5	0	
10	HQAM	25	0	16.40	16.48	16.35			
10	HQAM	25	12	16.41	16.46	16.45			
10	HQAM	25	25	16.36	16.39	16.45	17.5	0	
10	HQAM	50	0	16.44	16.48	16.39			
10	HQAM	1	49	16.43	16.39	16.44			
10	HQAM	1	0	16.45	16.47	16.40	17.5	0	
10	HQAM	1	25	16.36	16.42	16.43			
10	HQAM	1	49	16.43	16.42	16.41			
10	HQAM	25	0	16.40	16.38	16.37	17.5	0	
10	HQAM	25	12	16.46	16.41	16.45			
10	HQAM	25	25	16.39	16.48	16.44			
10	HQAM	50	0	16.46	16.44	16.45	17.5	0	
10	ZSSBAM	1	0	16.45	16.37	16.43			
10	ZSSBAM	1	25	16.39	16.37	16.40			
10	ZSSBAM	1	49	16.41	16.44	16.36	17.5	0	
10	ZSSBAM	25	0	16.36	16.45	16.34			
10	ZSSBAM	25	12	16.39	16.47	16.45			
10	ZSSBAM	25	25	16.46	16.47	16.35	17.5	0	
10	ZSSBAM	50	0	16.46	16.41	16.43			
Channel				21025	21175	21425			Tune-up limit (dBm)
Frequency (MHz)				21025	21175	21425			
5	QPSK	1	0	16.42	16.46	16.38	17.5	0	
5	QPSK	1	12	16.45	16.42	16.45			
5	QPSK	1	24	16.45	16.40	16.37			
5	QPSK	12	0	16.44	16.48	16.45	17.5	0	
5	QPSK	12	7	16.37	16.42	16.38			
5	QPSK	12	13	16.42	16.42	16.41			
5	QPSK	25	0	16.39	16.43	16.36	17.5	0	
5	HQAM	1	0	16.40	16.47	16.39			
5	HQAM	1	12	16.45	16.45	16.36			
5	HQAM	1	24	16.36	16.47	16.44	17.5	0	
5	HQAM	12	0	16.39	16.39	16.37			
5	HQAM	12	7	16.43	16.42	16.38			
5	HQAM	25	0	16.46	16.48	16.37	17.5	0	
5	HQAM	1	0	16.44	16.46	16.38			
5	HQAM	1	12	16.44	16.47	16.34			
5	HQAM	1	24	16.38	16.43	16.45	17.5	0	
5	HQAM	12	0	16.35	16.41	16.34			
5	HQAM	12	7	16.40	16.43	16.45			
5	HQAM	12	13	16.36	16.39	16.37	17.5	0	
5	HQAM	25	0	16.37	16.47	16.35			
5	HQAM	1	0	16.42	16.48	16.42			
5	ZSSBAM	1	12	16.40	16.42	16.44	17.5	0	
5	ZSSBAM	1	24	16.46	16.41	16.41			
5	ZSSBAM	12	0	16.45	16.45	16.41			
5	ZSSBAM	12	7	16.42	16.48	16.45	17.5	0	
5	ZSSBAM	12	13	16.40	16.39	16.35			
5	ZSSBAM	25	0	16.39	16.39	16.36			



Inter band UL CA Reduced Power for State 4

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation schemes and RB sizes.

Band 4\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation schemes and RB sizes.





### Band 7\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				20850	21100	21350		
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	14.43	14.43	14.43	15.5	0
20	QPSK	1	49	14.40	14.40	14.41		
20	QPSK	1	99	14.47	14.40	14.44		
20	QPSK	60	0	14.51	14.53	14.50		
20	QPSK	60	24	14.35	14.40	14.35		
20	QPSK	60	50	14.35	14.35	14.42		
20	QPSK	100	0	14.50	14.51	14.48		
20	16QAM	1	0	14.36	14.45	14.34		
20	16QAM	1	49	14.42	14.37	14.34		
20	16QAM	1	99	14.41	14.42	14.45		
20	16QAM	60	0	14.41	14.42	14.34		
20	16QAM	60	24	14.44	14.48	14.40		
20	16QAM	60	50	14.36	14.40	14.35		
20	16QAM	100	0	14.35	14.47	14.43		
20	64QAM	1	0	14.35	14.44	14.41		
20	64QAM	1	49	14.39	14.39	14.43		
20	64QAM	1	99	14.45	14.45	14.37		
20	64QAM	60	0	14.45	14.37	14.34		
20	64QAM	60	24	14.38	14.39	14.41		
20	64QAM	60	50	14.43	14.41	14.35		
20	64QAM	100	0	14.37	14.47	14.43		
20	256QAM	1	0	14.44	14.28	14.37		
20	256QAM	49	0	14.44	14.40	14.35		
20	256QAM	1	99	14.38	14.47	14.43		
20	256QAM	60	0	14.37	14.40	14.40		
20	256QAM	60	24	14.45	14.41	14.35		
20	256QAM	60	50	14.43	14.41	14.38		
20	256QAM	100	0	14.43	14.41	14.36		
Channel				20850	21100	21350		
Frequency (MHz)				20850	21100	21350		
15	QPSK	1	0	14.40	14.41	14.41	15.5	0
15	QPSK	1	37	14.36	14.40	14.45		
15	QPSK	1	74	14.41	14.40	14.40		
15	QPSK	36	0	14.39	14.48	14.44		
15	QPSK	36	20	14.46	14.44	14.45		
15	QPSK	36	39	14.39	14.42	14.44		
15	QPSK	36	58	14.44	14.40	14.44		
15	16QAM	1	0	14.43	14.47	14.45		
15	16QAM	1	37	14.35	14.37	14.37		
15	16QAM	1	74	14.42	14.40	14.41		
15	16QAM	36	0	14.44	14.44	14.42		
15	16QAM	36	20	14.45	14.45	14.35		
15	16QAM	36	39	14.41	14.37	14.38		
15	16QAM	75	0	14.35	14.45	14.34		
15	64QAM	1	0	14.43	14.43	14.40		
15	64QAM	1	37	14.45	14.42	14.37		
15	64QAM	1	74	14.39	14.46	14.47		
15	64QAM	36	0	14.40	14.47	14.36		
15	64QAM	36	20	14.43	14.47	14.40		
15	64QAM	36	39	14.39	14.39	14.35		
15	64QAM	75	0	14.45	14.38	14.36		
15	256QAM	1	0	14.44	14.40	14.34		
15	256QAM	1	37	14.45	14.42	14.40		
15	256QAM	1	74	14.38	14.39	14.37		
15	256QAM	36	0	14.41	14.48	14.34		
15	256QAM	36	20	14.40	14.48	14.40		
15	256QAM	36	39	14.46	14.46	14.39		
15	256QAM	75	0	14.39	14.42	14.43		
Channel				20850	21100	21350		
Frequency (MHz)				20850	21100	21350		
10	QPSK	1	0	14.40	14.39	14.44	15.5	0
10	QPSK	1	25	14.44	14.37	14.40		
10	QPSK	1	49	14.40	14.48	14.38		
10	QPSK	25	0	14.39	14.45	14.38		
10	QPSK	25	12	14.39	14.45	14.40		
10	QPSK	25	25	14.44	14.44	14.36		
10	QPSK	25	37	14.40	14.43	14.42		
10	16QAM	1	0	14.44	14.45	14.34		
10	16QAM	1	25	14.44	14.40	14.35		
10	16QAM	49	0	14.37	14.45	14.43		
10	16QAM	25	0	14.40	14.40	14.44		
10	16QAM	25	12	14.39	14.36	14.45		
10	16QAM	25	25	14.43	14.38	14.35		
10	16QAM	50	0	14.38	14.47	14.42		
10	64QAM	1	0	14.39	14.43	14.43		
10	64QAM	1	25	14.41	14.39	14.39		
10	64QAM	1	49	14.42	14.46	14.44		
10	64QAM	25	0	14.40	14.45	14.42		
10	64QAM	25	12	14.37	14.43	14.34		
10	64QAM	25	25	14.42	14.47	14.37		
10	64QAM	50	0	14.41	14.37	14.45		
10	256QAM	1	0	14.39	14.45	14.41		
10	256QAM	1	25	14.40	14.46	14.38		
10	256QAM	1	49	14.37	14.39	14.38		
10	256QAM	25	0	14.45	14.43	14.36		
10	256QAM	25	12	14.42	14.48	14.41		
10	256QAM	25	25	14.45	14.40	14.44		
10	256QAM	50	0	14.43	14.45	14.35		
Channel				20850	21100	21350		
Frequency (MHz)				20850	21100	21350		
5	QPSK	1	0	14.42	14.41	14.37	15.5	0
5	QPSK	1	12	14.41	14.45	14.35		
5	QPSK	1	24	14.35	14.42	14.43		
5	QPSK	12	0	14.46	14.40	14.42		
5	QPSK	12	7	14.44	14.40	14.36		
5	QPSK	12	13	14.36	14.37	14.43		
5	QPSK	25	0	14.38	14.40	14.39		
5	16QAM	1	0	14.44	14.44	14.37		
5	16QAM	1	12	14.40	14.47	14.37		
5	16QAM	1	24	14.39	14.45	14.39		
5	16QAM	12	0	14.45	14.48	14.45		
5	16QAM	12	7	14.44	14.45	14.44		
5	16QAM	12	13	14.41	14.37	14.34		
5	64QAM	1	0	14.44	14.43	14.44		
5	64QAM	1	12	14.42	14.39	14.41		
5	64QAM	1	24	14.44	14.40	14.34		
5	64QAM	12	0	14.35	14.35	14.44		
5	64QAM	12	7	14.43	14.39	14.44		
5	64QAM	12	13	14.40	14.44	14.39		
5	64QAM	25	0	14.44	14.43	14.39		
5	256QAM	1	0	14.38	14.39	14.43		
5	256QAM	1	12	14.41	14.37	14.35		
5	256QAM	1	24	14.46	14.39	14.37		
5	256QAM	12	0	14.45	14.41	14.42		
5	256QAM	12	7	14.35	14.39	14.45		
5	256QAM	12	13	14.38	14.46	14.44		
5	256QAM	25	0	14.36	14.41	14.42		

## DL CA Power

2CC															
Configure	CA Configuration (BCS)	PCC							SCC				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.88	24.12	
	CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	23.75	24.12	
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.11	23.15	
	CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.01	23.15	
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.07	23.15	
	CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.02	23.15	
	CA_4A-48A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 48	20M	3690	56640	23.04	23.15	
	CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.85	24.05	
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	23.76	24.05	
	CA_5A-48A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3690	56640	23.77	24.05	
	CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	23.82	24.05	
	CA_12A-48A	Band 12	10M	707.5	23095	QPSK	1	0	Band 48	20M	3690	56640	23.74	24.18	
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	23.89	24.18	
	CA_41A-48A	Band 41	20M	2593	40620	QPSK	1	0	Band 48	20M	3690	56640	23.21	23.31	
CA_48A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 48	20M	3690	56640	23.03	23.19		
CA_2A-38A	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	2595	38000	23.75	24.12		
Intra-Band	Non-Contiguous	CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	99	Band 7	5M	2687.5	3425	22.48	22.89
		CA_41A-41A	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	2687.5	41565	23.15	23.31
	CA_42A-42A	Band 42	20M	3575	43340	QPSK	1	0	Band 42	5M	3597.5	43565	23.06	23.12	
	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.80	1098	23.89	24.12
		CA_7C	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.80	3298	22.67	22.89
CA_42C		Band 42	20M	3560	43190	QPSK	1	0	Band 42	20M	3579.80	43388	22.96	23.12	
CA_48B	Band 48	10M	3607.5	55815	QPSK	1	0	Band 48	10M	3617.40	55914	23.02	23.17		



Full&Default Power Mode

FR1 n2\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	23.3	23.41	23.39	24.5	0.0
40	P12 BPSK	1	108	23.35	23.41	23.38		
40	P12 BPSK	1	214	23.33	23.41	23.30	24.0	0.5
40	P12 BPSK	108	0	22.83	22.88	22.88		
40	P12 BPSK	108	54	23.39	23.45	23.36	24.5	0.0
40	P12 BPSK	108	108	22.92	22.93	22.90		
40	P12 BPSK	216	0	22.93	22.95	22.87	24.0	0.5
40	QPSK	1	1	23.48	23.50	23.45		
40	QPSK	1	108	23.44	23.44	23.38	24.5	0.0
40	QPSK	1	214	23.33	23.41	23.35		
40	QPSK	108	0	22.40	22.43	22.39	23.5	1.0
40	QPSK	108	54	23.38	23.38	23.33		
40	QPSK	108	108	22.39	22.43	22.35	23.5	1.0
40	QPSK	216	0	22.40	22.42	22.30		
40	16QAM	1	1	22.18	22.18	22.21	23.5	1.0
40	64QAM	1	1	20.73	20.71	20.75		
40	256QAM	1	1	19.37	19.35	19.39	20.0	4.5
40	256QAM	1	1	19.37	19.35	19.39		
Channel								
Frequency (MHz)								
35	P12 BPSK	1	1	23.38	23.40	23.38	24.5	0.0
35	P12 BPSK	1	1	23.38	23.40	23.38		
Channel								
Frequency (MHz)								
30	P12 BPSK	1	1	23.36	23.36	23.29	24.5	0.0
30	P12 BPSK	1	1	23.36	23.36	23.29		
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	23.33	23.30	23.32	24.5	0.0
25	P12 BPSK	1	1	23.33	23.30	23.32		
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
20	P12 BPSK	1	1	23.41	23.41	23.35		
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	23.39	23.36	23.34	24.5	0.0
15	P12 BPSK	1	1	23.39	23.36	23.34		
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	23.32	23.34	23.34	24.5	1.0
10	P12 BPSK	1	1	23.32	23.34	23.34		
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	18.52	18.90	19.07	18.5	0.0
5	P12 BPSK	1	1	23.37	23.36	23.31		

FR1 n5\_Ant 0(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	23.58	23.55	23.54	24.5	0.0
25	P12 BPSK	1	32	23.60	23.56	23.55		
25	P12 BPSK	1	64	23.53	23.62	23.54	24.0	0.5
25	P12 BPSK	64	0	23.07	23.10	23.07		
25	P12 BPSK	64	32	23.59	23.60	23.58	24.5	0.0
25	P12 BPSK	64	64	23.01	23.02	23.01		
25	P12 BPSK	128	0	23.01	23.12	23.08	24.0	0.5
25	QPSK	1	1	23.85	23.88	23.83		
25	QPSK	1	32	23.87	23.99	23.48	24.5	0.0
25	QPSK	1	64	23.58	23.52	23.51		
25	QPSK	64	0	22.80	22.83	22.85	23.5	1.0
25	QPSK	64	32	23.58	23.61	23.51		
25	QPSK	64	64	22.52	22.57	22.53	23.5	1.0
25	QPSK	128	0	22.51	22.62	22.53		
25	16QAM	1	1	22.28	22.30	22.25	23.5	1.0
25	64QAM	1	1	20.74	20.76	20.72		
25	256QAM	1	1	19.43	19.45	19.42	20.0	4.5
25	256QAM	1	1	19.43	19.45	19.42		
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	23.58	23.58	23.53	24.5	0.0
20	P12 BPSK	1	1	23.58	23.58	23.53		
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	23.55	23.62	23.52	24.5	0.0
15	P12 BPSK	1	1	23.55	23.62	23.52		
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	23.56	23.59	23.50	24.5	0.0
10	P12 BPSK	1	1	23.56	23.59	23.50		
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	18.54	18.58	18.56	18.5	0.0
5	P12 BPSK	1	1	23.54	23.58	23.56		



FR1 n66\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1717.5	1745	1772.5		
45	P12 BPSK	1	1	23.48	23.48	23.44	24.5	0.0
45	P12 BPSK	1	120	23.52	23.50	23.48		
45	P12 BPSK	1	240	23.53	23.57	23.45		
45	P12 BPSK	120	0	22.99	22.98	23.00	24.0	0.5
45	P12 BPSK	120	80	23.49	23.48	23.52	24.5	0.0
45	P12 BPSK	120	120	23.02	22.98	23.01	24.0	0.5
45	P12 BPSK	240	0	22.94	22.99	22.93		
45	QPSK	1	1	23.58	23.62	23.57	24.5	0.0
45	QPSK	1	120	23.44	23.55	23.44		
45	QPSK	1	240	23.53	23.49	23.50		
45	QPSK	120	0	22.45	22.53	22.47	23.5	1.0
45	QPSK	120	80	23.51	23.58	23.50	24.5	0.0
45	QPSK	120	120	22.45	22.57	22.49	23.5	1.0
45	QPSK	240	0	22.42	22.49	22.42	23.5	1.0
45	16QAM	1	1	22.47	22.50	22.45	23.5	1.0
45	64QAM	1	1	21.01	21.03	21.00	22.0	2.5
45	256QAM	1	1	18.98	19.05	18.99	20.0	4.5
Channel				349000	352000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	P12 BPSK	1	1	23.51	23.51	23.46	24.5	0.0
Channel				352000	355000	358000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	P12 BPSK	1	1	23.53	23.57	23.44	24.5	0.0
Channel				355000	358000	361000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P12 BPSK	1	1	23.47	23.48	23.51	24.5	0.0
Channel				358000	361000	364000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	P12 BPSK	1	1	23.50	23.48	23.50	24.5	0.0
Channel				361000	364000	367000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P12 BPSK	1	1	23.45	23.50	23.47	24.5	0.0
Channel				364000	367000	370000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P12 BPSK	1	1	23.51	23.58	23.43	24.5	0.0
Channel				367000	370000	373000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P12 BPSK	1	1	23.48	23.48	23.50	24.5	0.0
Channel				370000	373000	376000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P12 BPSK	1	1	23.45	23.55	23.45	24.5	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 27O (3700-3980MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. (dBm)	Middle Ch. / Freq. (dBm)	High Ch. / Freq. (dBm)		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.90	22.84	22.77		
100	PI2 BPSK	1	137	22.94	22.90	22.84	24.0	0.0
100	PI2 BPSK	1	271	22.86	22.85	22.84		
100	PI2 BPSK	135	0	22.93	22.93	22.79	24.0	0.0
100	PI2 BPSK	135	69	22.94	22.86	22.76	24.0	0.0
100	PI2 BPSK	135	138	22.91	22.87	22.79	24.0	0.0
100	PI2 BPSK	270	0	22.84	22.86	22.74		
100	QPSK	1	1	23.00	23.01	22.89		
100	QPSK	1	137	22.84	22.91	22.73	24.0	0.0
100	QPSK	1	271	22.94	22.86	22.77		
100	QPSK	135	0	22.36	22.37	22.29	23.5	0.5
100	QPSK	135	69	22.86	22.94	22.73	24.0	0.0
100	QPSK	135	138	22.40	22.37	22.25	23.5	0.5
100	QPSK	270	0	22.35	22.38	22.34	23.5	0.5
100	16QAM	1	1	22.40	22.45	22.27	23.5	0.5
100	64QAM	1	1	20.91	20.96	20.79	22.0	0.0
100	256QAM	1	1	18.85	18.89	18.75	20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.97	22.98	22.86	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.94	22.99	22.87	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.94	22.97	22.71	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.96	22.99	22.88	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.99	22.97	22.70	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.94	23.00	22.88	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.97	22.97	22.86	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.93	22.94	22.88	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.98	22.95	22.89	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.96	22.99	22.86	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.98	22.94	22.70	24.0	0.0

**FR1 n77\_Ant 2(SA)**  
**FCC Part 27Q (3450-3550MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. (dBm)	Middle Ch. / Freq. (dBm)	High Ch. / Freq. (dBm)		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.81	22.81	22.81		
100	PI2 BPSK	1	137	22.90	22.90	22.90	24.0	0.0
100	PI2 BPSK	1	271	22.80	22.80	22.80		
100	PI2 BPSK	135	0	22.81	22.81	22.81	24.0	0.0
100	PI2 BPSK	135	69	22.84	22.84	22.84	24.0	0.0
100	PI2 BPSK	135	138	22.88	22.88	22.88	24.0	0.0
100	PI2 BPSK	270	0	22.80	22.80	22.80		
100	QPSK	1	1	23.15	23.15	23.15		
100	QPSK	1	137	22.88	22.88	22.88	24.0	0.0
100	QPSK	1	271	22.82	22.82	22.82		
100	QPSK	135	0	22.38	22.38	22.38	23.5	0.5
100	QPSK	135	69	22.89	22.89	22.89	24.0	0.0
100	QPSK	135	138	22.32	22.32	22.32	23.5	0.5
100	QPSK	270	0	22.34	22.34	22.34	23.5	0.5
100	16QAM	1	1	22.38	22.38	22.38	23.5	0.5
100	64QAM	1	1	20.81	20.81	20.81	22.0	0.0
100	256QAM	1	1	18.82	18.82	18.82	20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.89	22.94	22.90	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.93	22.94	22.92	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.94	22.90	22.93	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.93	22.94	22.94	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.90	22.89	22.92	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.91	22.91	22.94	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.85	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.91	22.88	22.91	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.85	22.88	22.84	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.88	22.93	22.94	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.88	22.93	22.90	24.0	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 96 (3550-3700MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 840000	Middle Ch. Freq. 841666	High Ch. Freq. 843332		
Channel								
Frequency (MHz)				3500	3624.99	3649.98		
100	PI2 BPSK	1	1	20.75	20.68	20.65		
100	PI2 BPSK	1	137	20.71	20.78	20.73	21.8	0.0
100	PI2 BPSK	1	271	20.67	20.74	20.70		
100	PI2 BPSK	135	0	20.71	20.73	20.68	21.8	0.0
100	PI2 BPSK	135	69	20.75	20.70	20.78	21.8	0.0
100	PI2 BPSK	135	138	20.72	20.77	20.70	21.8	0.0
100	PI2 BPSK	270	0	20.68	20.73	20.69		
100	QPSK	1	1	20.75	20.93	20.52		
100	QPSK	1	137	20.75	20.68	20.74	21.8	0.0
100	QPSK	1	271	20.71	20.78	20.71		
100	QPSK	135	0	20.71	20.74	20.67	21.8	0.0
100	QPSK	135	69	20.74	20.82	20.91	21.8	0.0
100	QPSK	135	138	20.72	20.72	20.69	21.8	0.0
100	QPSK	270	0	20.75	20.76	20.67		
100	16QAM	1	1	20.72	20.68	20.68	21.8	0.0
100	84QAM	1	1	20.62	20.78	20.63	21.8	0.0
100	256QAM	1	1	18.70	18.80	18.87	20.0	1.8
Channel				638666	841666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3654.99		
90	QPSK	1	1	20.70	20.71	20.69	21.8	0.0
Channel				639334	841666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3591.01	3624.99	3660		
80	QPSK	1	1	20.67	20.67	20.71	21.8	0.0
Channel				639000	841666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595	3624.99	3654.98		
70	QPSK	1	1	20.75	20.77	20.78	21.8	0.0
Channel				638666	841666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.02	3624.99	3659.99		
60	QPSK	1	1	20.68	20.72	20.77	21.8	0.0
Channel				638332	841666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.66	20.72	20.68	21.8	0.0
Channel				638000	841666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3675.98		
40	QPSK	1	1	20.68	20.67	20.71	21.8	0.0
Channel				637666	841666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.71	20.77	20.72	21.8	0.0
Channel				637332	841666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
25	QPSK	1	1	20.68	20.68	20.77	21.8	0.0
Channel				637000	841666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555.02	3624.99	3692.49		
20	QPSK	1	1	20.68	20.65	20.75	21.8	0.0
Channel				636666	841666	646666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.65	20.71	20.65	21.8	0.0
Channel				636332	841666	647000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.70	20.69	20.75	21.8	0.0



Reduced Power for State 1

FR1 n2\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	19.40	19.37	19.36	20.5	0.0
40	P12 BPSK	1	108	19.41	19.43	19.35		
40	P12 BPSK	1	214	19.43	19.40	19.43	20.5	0.0
40	P12 BPSK	108	0	19.43	19.43	19.32		
40	P12 BPSK	108	54	19.41	19.44	19.33	20.5	0.0
40	P12 BPSK	108	108	19.44	19.39	19.37		
40	P12 BPSK	216	0	19.37	19.40	19.39	20.5	0.0
40	QPSK	1	1	19.50	19.52	19.48		
40	QPSK	1	108	19.34	19.42	19.41	20.5	0.0
40	QPSK	1	214	19.39	19.38	19.40		
40	QPSK	108	0	19.35	19.42	19.33	20.5	0.0
40	QPSK	108	54	19.42	19.45	19.43		
40	QPSK	108	108	19.35	19.38	19.32	20.5	0.0
40	QPSK	216	0	19.40	19.42	19.37		
40	16QAM	1	1	19.34	19.37	19.39	20.5	0.0
40	64QAM	1	1	19.44	19.42	19.39		
40	256QAM	1	1	19.20	19.25	19.15	20.0	0.5
Channel								
Frequency (MHz)								
35	P12 BPSK	1	1	19.45	19.39	19.37	20.5	0.0
Channel								
Frequency (MHz)								
30	P12 BPSK	1	1	19.45	19.37	19.33	20.5	0.0
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	19.34	19.47	19.38	20.5	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	19.44	19.43	19.30	20.5	0.0
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	19.34	19.43	19.39	20.5	0.0
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	19.34	19.37	19.35	20.5	0.0
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	18.35	19.42	19.41	20.5	0.0
Channel								
Frequency (MHz)								

FR1 n5\_Ant 0(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	21.57	21.54	21.53	22.5	0.0
25	P12 BPSK	1	32	21.53	21.54	21.58		
25	P12 BPSK	1	64	21.58	21.60	21.56	22.5	0.0
25	P12 BPSK	64	0	21.51	21.60	21.53		
25	P12 BPSK	64	32	21.52	21.54	21.60	22.5	0.0
25	P12 BPSK	64	64	21.58	21.64	21.56		
25	P12 BPSK	128	0	21.52	21.60	21.52	22.5	0.0
25	QPSK	1	1	21.67	21.70	21.68		
25	QPSK	1	32	21.53	21.57	21.56	22.5	0.0
25	QPSK	1	64	21.51	21.65	21.52		
25	QPSK	64	0	21.55	21.58	21.55	22.5	0.0
25	QPSK	64	32	21.60	21.64	21.58		
25	QPSK	64	64	21.52	21.60	21.52	22.5	0.0
25	QPSK	128	0	21.52	21.63	21.58		
25	16QAM	1	1	21.61	21.62	21.50	22.5	0.0
25	64QAM	1	1	20.74	20.76	20.72		
25	256QAM	1	1	19.43	19.45	19.42	20.0	2.5
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	21.60	21.54	21.52	22.5	0.0
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	21.51	21.62	21.50	22.5	0.0
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	21.56	21.64	21.59	22.5	0.0
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	21.58	21.62	21.52	22.5	0.0
Channel								
Frequency (MHz)								



FR1 n66\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1712.5	1745	1777.5		
45	P12 BPSK	1	1	19.55	19.48	19.51	20.5	0.0
45	P12 BPSK	1	120	19.50	19.51	19.48		
45	P12 BPSK	1	240	19.56	19.57	19.48		
45	P12 BPSK	120	0	19.46	19.55	19.45	20.5	0.0
45	P12 BPSK	120	80	19.55	19.55	19.48	20.5	0.0
45	P12 BPSK	120	120	19.54	19.46	19.55	20.5	0.0
45	P12 BPSK	240	0	19.45	19.51	19.45		
45	QPSK	1	1	19.62	19.65	19.60		
45	QPSK	1	120	19.53	19.54	19.47	20.5	0.0
45	QPSK	1	240	19.56	19.55	19.48		
45	QPSK	120	0	19.55	19.51	19.50	20.5	0.0
45	QPSK	120	80	19.63	19.63	19.58	20.5	0.0
45	QPSK	120	120	19.57	19.54	19.47	20.5	0.0
45	QPSK	240	0	19.49	19.53	19.49	20.5	0.0
45	16QAM	1	1	19.55	19.54	19.55	20.5	0.0
45	64QAM	1	1	19.53	19.54	19.46	20.5	0.0
45	256QAM	1	1	19.98	19.05	18.99	20.0	0.5
Channel				349000	352000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	P12 BPSK	1	1	19.56	19.57	19.48	20.5	0.0
Channel				352000	355000	358000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	P12 BPSK	1	1	19.49	19.50	19.47	20.5	0.0
Channel				355000	358000	361000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P12 BPSK	1	1	19.52	19.03	19.44	20.5	0.0
Channel				361000	365000	369000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	P12 BPSK	1	1	19.51	19.09	19.45	20.5	0.0
Channel				365000	369000	373000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P12 BPSK	1	1	19.57	19.54	19.47	20.5	0.0
Channel				369000	373000	377000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P12 BPSK	1	1	19.47	19.58	19.52	20.5	0.0
Channel				373000	377000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P12 BPSK	1	1	19.50	19.54	19.45	20.5	0.0
Channel				377000	381000	385000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P12 BPSK	1	1	19.49	19.53	19.53	20.5	0.0





**FR1 n77\_Ant 2(SA)**  
**FCC Part 27O (3700-3980MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. dBm/000	Power Middle Ch. / Freq. dBm/000	Power High Ch. / Freq. dBm/000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	13.40	13.43	13.39		
100	PI2 BPSK	1	137	13.41	13.46	13.35	14.5	0.0
100	PI2 BPSK	1	271	13.39	13.41	13.42		
100	PI2 BPSK	135	0	13.38	13.42	13.39	14.5	0.0
100	PI2 BPSK	135	69	13.35	13.46	13.37	14.5	0.0
100	PI2 BPSK	135	138	13.43	13.37	13.33	14.5	0.0
100	PI2 BPSK	270	0	13.39	13.47	13.34		
100	QPSK	1	1	13.51	13.53	13.49		
100	QPSK	1	137	13.42	13.45	13.44	14.5	0.0
100	QPSK	1	271	13.40	13.43	13.33		
100	QPSK	135	0	13.44	13.41	13.42	14.5	0.0
100	QPSK	135	69	13.50	13.51	13.47	14.5	0.0
100	QPSK	135	138	13.42	13.41	13.34	14.5	0.0
100	QPSK	270	0	13.46	13.48	13.45		
100	16QAM	1	1	13.43	13.45	13.39	14.5	0.0
100	64QAM	1	1	13.35	13.47	13.39	14.5	0.0
100	256QAM	1	1	13.44	13.46	13.41	14.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	84966	85000	85232	Tune-up limit	MPR
				3245.02	3840	2934.98	(dBm)	(dB)
				13.46	13.43	13.41	14.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	84934	85000	85266	Tune-up limit	MPR
				3260.01	3840	2939.99	(dBm)	(dB)
				13.46	13.40	13.43	14.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	84900	85000	85300	Tune-up limit	MPR
				3225	3840	2945	(dBm)	(dB)
				13.44	13.45	13.43	14.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	84868	85000	85332	Tune-up limit	MPR
				3200.02	3840	2949.98	(dBm)	(dB)
				13.37	13.44	13.41	14.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	84834	85000	85366	Tune-up limit	MPR
				3225.01	3840	2954.99	(dBm)	(dB)
				13.39	13.39	13.37	14.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	84800	85000	85400	Tune-up limit	MPR
				3200	3840	2960	(dBm)	(dB)
				13.46	13.39	13.39	14.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	84768	85000	85432	Tune-up limit	MPR
				3215.02	3840.00	2964.98	(dBm)	(dB)
				13.43	13.45	13.43	14.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	84750	85000	85450	Tune-up limit	MPR
				3212.5	3840.00	2967.50	(dBm)	(dB)
				13.42	13.46	13.38	14.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	84734	85000	85466	Tune-up limit	MPR
				3210.01	3840	2969.99	(dBm)	(dB)
				13.46	13.38	13.38	14.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	84700	85000	85500	Tune-up limit	MPR
				3207.52	3840	2972.48	(dBm)	(dB)
				13.43	13.44	13.43	14.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	84700	85000	85500	Tune-up limit	MPR
				3205	3840	2975	(dBm)	(dB)
				13.42	13.37	13.39	14.5	0.0

**FR1 n77\_Ant 2(SA)**  
**FCC Part 27Q (3450-3550MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. dBm/000	Power Middle Ch. / Freq. dBm/000	Power High Ch. / Freq. dBm/000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1			3499.98		
100	PI2 BPSK	1	137			13.32		
100	PI2 BPSK	1	271			13.34		
100	PI2 BPSK	135	0			13.36	14.5	0.0
100	PI2 BPSK	135	69			13.32	14.5	0.0
100	PI2 BPSK	135	138			13.35	14.5	0.0
100	PI2 BPSK	270	0			13.33		
100	QPSK	1	1			13.48		
100	QPSK	1	137			13.41	14.5	0.0
100	QPSK	1	271			13.32		
100	QPSK	135	0			13.33	14.5	0.0
100	QPSK	135	69			13.46	14.5	0.0
100	QPSK	135	138			13.38	14.5	0.0
100	QPSK	270	0			13.37		
100	16QAM	1	1			13.36	14.5	0.0
100	64QAM	1	1			13.41	14.5	0.0
100	256QAM	1	1			13.37	14.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	83300	83332	83366	Tune-up limit	MPR
				3465	3499.98	3524.98	(dBm)	(dB)
				13.35	13.39	13.30	14.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	83268	83332	83400	Tune-up limit	MPR
				3480.02	3499.98	3510	(dBm)	(dB)
				13.35	13.38	13.32	14.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	83234	83332	83432	Tune-up limit	MPR
				3465.01	3499.98	3514.98	(dBm)	(dB)
				13.35	13.35	13.31	14.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	83200	83332	83466	Tune-up limit	MPR
				3465	3499.98	3519.99	(dBm)	(dB)
				13.38	13.37	13.33	14.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	83166	83332	83500	Tune-up limit	MPR
				3470.02	3499.98	3525	(dBm)	(dB)
				13.37	13.41	13.32	14.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	83134	83332	83532	Tune-up limit	MPR
				3470.01	3499.98	3529.98	(dBm)	(dB)
				13.31	13.32	13.29	14.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	83100	83332	83566	Tune-up limit	MPR
				3465	3499.98	3534.99	(dBm)	(dB)
				13.42	13.36	13.32	14.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	83066	83332	83600	Tune-up limit	MPR
				3462.51	3499.98	3537.48	(dBm)	(dB)
				13.34	13.33	13.30	14.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	83050	83332	83616	Tune-up limit	MPR
				3460.02	3499.98	3540	(dBm)	(dB)
				13.33	13.40	13.29	14.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	83034	83332	83632	Tune-up limit	MPR
				3457.5	3499.98	3542.49	(dBm)	(dB)
				13.33	13.34	13.38	14.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	83018	83332	83648	Tune-up limit	MPR
				3455.01	3499.98	3544.98	(dBm)	(dB)
				13.31	13.40	13.39	14.5	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 96 (3550-3700MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 840000	Middle Ch. Freq. 841666	High Ch. Freq. 843332		
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	13.32	13.38	13.35		
100	P1/2 BPSK	1	137	13.29	13.34	13.28	14.5	0.0
100	P1/2 BPSK	1	271	13.33	13.39	13.35		
100	P1/2 BPSK	135	0	13.29	13.30	13.29	14.5	0.0
100	P1/2 BPSK	135	89	13.33	13.37	13.28	14.5	0.0
100	P1/2 BPSK	135	138	13.39	13.38	13.33	14.5	0.0
100	P1/2 BPSK	270	0	13.34	13.41	13.35		
100	QPSK	1	1	13.44	13.46	13.43		
100	QPSK	1	137	13.31	13.34	13.36	14.5	0.0
100	QPSK	1	271	13.28	13.30	13.32		
100	QPSK	135	0	13.34	13.38	13.28	14.5	0.0
100	QPSK	135	89	13.42	13.45	13.40	14.5	0.0
100	QPSK	135	138	13.33	13.37	13.35	14.5	0.0
100	QPSK	270	0	13.40	13.42	13.38		
100	16QAM	1	1	13.28	13.30	13.29	14.5	0.0
100	16QAM	1	1	13.35	13.33	13.29	14.5	0.0
100	256QAM	1	1	13.33	13.32	13.29	14.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.39	13.30	13.34	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.28	13.32	13.38	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.32	13.30	13.34	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.37	13.41	13.32	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.33	13.39	13.34	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.36	13.34	13.28	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.31	13.37	13.30	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	13.28	13.31	13.27	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.37	13.35	13.28	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.32	13.32	13.33	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.39	13.32	13.29	Tune-up limit (dBm)	MPR (dB)



Reduced Power for State 3

FR1 n2\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	22.38	22.48	22.42	23.5	0.0
40	PI2 BPSK	1	108	22.43	22.45	22.40		
40	PI2 BPSK	1	214	22.43	22.44	22.39	23.5	0.0
40	PI2 BPSK	108	0	22.41	22.38	22.33		
40	PI2 BPSK	108	54	22.43	22.42	22.41	23.5	0.0
40	PI2 BPSK	108	108	22.37	22.42	22.40		
40	PI2 BPSK	216	0	22.40	22.38	22.42	23.5	0.0
40	QPSK	1	1	22.50	22.52	22.48		
40	QPSK	1	108	22.37	22.45	22.33	23.5	0.0
40	QPSK	1	214	22.38	22.38	22.42		
40	QPSK	108	0	22.43	22.39	22.39	23.5	0.0
40	QPSK	108	54	22.48	22.50	22.47		
40	QPSK	108	108	22.32	22.34	22.34	23.5	0.0
40	QPSK	216	0	22.40	22.42	22.41		
40	16QAM	1	1	22.35	22.38	22.37	23.5	0.0
40	64QAM	1	1	20.87	20.93	20.82		
40	256QAM	1	1	19.20	19.25	19.15	20.0	3.5
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1867.5				1880	1892.5	1880	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1865				1880	1895	1880	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1862.5				1880	1897.5	1880	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1869.5				1880	1900	1890	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1867.5				1880	1902.5	1890	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1855				1880	1905	1890	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1852.5				1880	1907.5	1890	23.5	0.0
Channel								
Frequency (MHz)								
379000				379000	379000	379000	Tune-up limit (dBm)	MPR (dB)
1852.5				1880	1907.5	1890	23.5	0.0

FR1 n5\_Ant 0(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	23.58	23.55	23.54	24.5	0.0
25	PI2 BPSK	1	32	23.60	23.56	23.55		
25	PI2 BPSK	1	64	23.53	23.62	23.54	24.0	0.5
25	PI2 BPSK	64	0	23.07	23.10	23.07		
25	PI2 BPSK	64	32	23.59	23.60	23.58	24.5	0.0
25	PI2 BPSK	64	64	23.01	23.02	23.01		
25	PI2 BPSK	128	0	23.01	23.12	23.08	24.0	0.5
25	QPSK	1	1	23.85	23.88	23.83		
25	QPSK	1	32	23.57	23.59	23.48	24.5	0.0
25	QPSK	1	64	23.58	23.52	23.51		
25	QPSK	64	0	22.80	22.83	22.55	23.5	1.0
25	QPSK	64	32	23.58	23.61	23.51		
25	QPSK	64	64	22.52	22.57	22.53	23.5	1.0
25	QPSK	128	0	22.51	22.62	22.53		
25	16QAM	1	1	22.28	22.30	22.25	23.5	1.0
25	64QAM	1	1	20.74	20.76	20.72		
25	256QAM	1	1	19.43	19.45	19.42	20.0	4.5
Channel								
Frequency (MHz)								
168000				168000	168000	168000	Tune-up limit (dBm)	MPR (dB)
834				836.5	830	834	23.5	0.0
Channel								
Frequency (MHz)								
168000				168000	168000	168000	Tune-up limit (dBm)	MPR (dB)
831.5				836.5	841.5	836.5	23.5	0.0
Channel								
Frequency (MHz)								
168000				168000	168000	168000	Tune-up limit (dBm)	MPR (dB)
829				836.5	844	836.5	23.5	0.0
Channel								
Frequency (MHz)								
168000				168000	168000	168000	Tune-up limit (dBm)	MPR (dB)
826.5				836.5	846.5	836.5	23.5	0.0
Channel								
Frequency (MHz)								
168000				168000	168000	168000	Tune-up limit (dBm)	MPR (dB)
823.5				836.5	846.5	836.5	23.5	0.0



FR1 n66\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1712.5	1745	1777.5		
45	P1/2 BPSK	1	1	22.10	22.00	22.08	23.0	0.0
45	P1/2 BPSK	1	120	22.04	22.07	22.07	23.0	0.0
45	P1/2 BPSK	1	240	22.02	22.08	22.00	23.0	0.0
45	P1/2 BPSK	120	0	21.99	22.00	22.06	23.0	0.0
45	P1/2 BPSK	120	80	22.04	22.08	22.00	23.0	0.0
45	P1/2 BPSK	120	120	22.03	22.06	22.05	23.0	0.0
45	P1/2 BPSK	240	0	22.05	22.03	22.03	23.0	0.0
45	QPSK	1	1	22.15	22.16	22.13	23.0	0.0
45	QPSK	1	120	22.01	22.01	21.97	23.0	0.0
45	QPSK	1	240	22.05	22.02	22.05	23.0	0.0
45	QPSK	120	0	22.07	22.11	22.07	23.0	0.0
45	QPSK	120	80	22.13	22.15	22.11	23.0	0.0
45	QPSK	120	120	22.03	22.01	21.99	23.0	0.0
45	QPSK	240	0	22.11	22.13	22.10	23.0	0.0
45	16QAM	1	1	22.04	22.04	22.02	23.0	0.0
45	64QAM	1	1	21.01	21.03	21.00	22.0	1.0
45	256QAM	1	1	18.98	19.05	18.99	20.0	3.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	P1/2 BPSK	1	1	22.03	22.11	22.06	23.0	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	P1/2 BPSK	1	1	22.01	22.02	21.97	23.0	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P1/2 BPSK	1	1	21.99	22.02	22.07	23.0	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	P1/2 BPSK	1	1	22.03	22.02	22.00	23.0	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P1/2 BPSK	1	1	22.05	22.09	22.08	23.0	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P1/2 BPSK	1	1	22.08	22.02	22.00	23.0	0.0
Channel				343000	345000	347000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P1/2 BPSK	1	1	22.04	22.11	22.01	23.0	0.0
Channel				342500	345000	347500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P1/2 BPSK	1	1	22.04	22.07	22.05	23.0	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 27O (3700-3980MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. @50000	Middle Ch. / Freq. @50000	High Ch. / Freq. @50000		
Channel								
	Frequency (MHz)			3750	3840	3930		
100	PI2 BPSK	1	1	19.35	19.35	19.38		
100	PI2 BPSK	1	137	19.35	19.43	19.35	20.5	0.0
100	PI2 BPSK	1	271	19.38	19.47	19.43		
100	PI2 BPSK	135	0	19.38	19.46	19.32	20.5	0.0
100	PI2 BPSK	135	69	19.35	19.37	19.38	20.5	0.0
100	PI2 BPSK	135	138	19.42	19.44	19.38	20.5	0.0
100	PI2 BPSK	270	0	19.42	19.37	19.39		
100	QPSK	1	1	19.50	19.48			
100	QPSK	1	137	19.34	19.45	19.34	20.5	0.0
100	QPSK	1	271	19.40	19.41	19.41		
100	QPSK	135	0	19.32	19.38	19.34	20.5	0.0
100	QPSK	135	69	19.48	19.50	19.47	20.5	0.0
100	QPSK	135	138	19.38	19.36	19.32	20.5	0.0
100	QPSK	270	0	19.39	19.43	19.31	20.5	0.0
100	16QAM	1	1	19.39	19.42	19.41	20.5	0.0
100	64QAM	1	1	19.40	19.41	19.39	20.5	0.0
100	256QAM	1	1	18.85	18.88	18.75	20.0	0.5
Channel								
	Frequency (MHz)			448668	456000	462432	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.35	19.41	19.35	20.5	0.0
Channel								
	Frequency (MHz)			449334	456000	462666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.35	19.36	19.40	20.5	0.0
Channel								
	Frequency (MHz)			450000	456000	463000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.40	19.41	19.40	20.5	0.0
Channel								
	Frequency (MHz)			448668	456000	462432	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.36	19.34	19.34	20.5	0.0
Channel								
	Frequency (MHz)			448668	456000	462432	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.40	19.42	19.38	20.5	0.0
Channel								
	Frequency (MHz)			448668	456000	462432	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.40	19.34	19.40	20.5	0.0
Channel								
	Frequency (MHz)			3715.02	3840.00	3964.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.33	19.38	19.37	20.5	0.0
Channel								
	Frequency (MHz)			3712.5	3840.00	3967.50	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	19.39	19.35	19.32	20.5	0.0
Channel								
	Frequency (MHz)			3710.01	3840	3969.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.39	19.35	19.32	20.5	0.0
Channel								
	Frequency (MHz)			3707.52	3840	3972.48	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.35	19.38	19.38	20.5	0.0
Channel								
	Frequency (MHz)			3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.41	19.42	19.41	20.5	0.0

**FR1 n77\_Ant 2(SA)**  
**FCC Part 27Q (3450-3550MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
	Frequency (MHz)					3459.98		
100	PI2 BPSK	1	1			19.41		
100	PI2 BPSK	1	137			19.33		
100	PI2 BPSK	1	271			19.36		
100	PI2 BPSK	135	0			19.41	20.5	0.0
100	PI2 BPSK	135	69			19.34	20.5	0.0
100	PI2 BPSK	135	138			19.40	20.5	0.0
100	PI2 BPSK	270	0			19.33		
100	QPSK	1	1			19.08		
100	QPSK	1	137			19.32	20.5	0.0
100	QPSK	1	271			19.32		
100	QPSK	135	0			19.43	20.5	0.0
100	QPSK	135	69			19.46	20.5	0.0
100	QPSK	135	138			19.40	20.5	0.0
100	QPSK	270	0			19.38		
100	16QAM	1	1			19.41	20.5	0.0
100	64QAM	1	1			19.42	20.5	0.0
100	256QAM	1	1			18.82	20.0	0.5
Channel								
	Frequency (MHz)			633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.36	19.37	19.29	20.5	0.0
Channel								
	Frequency (MHz)			632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.29	19.38	19.36	20.5	0.0
Channel								
	Frequency (MHz)			632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.32	19.31	19.34	20.5	0.0
Channel								
	Frequency (MHz)			632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.35	19.39	19.28	20.5	0.0
Channel								
	Frequency (MHz)			631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.36	19.38	19.32	20.5	0.0
Channel								
	Frequency (MHz)			631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.33	19.37	19.27	20.5	0.0
Channel								
	Frequency (MHz)			631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.32	19.31	19.39	20.5	0.0
Channel								
	Frequency (MHz)			630664	633332	636000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	19.34	19.33	19.33	20.5	0.0
Channel								
	Frequency (MHz)			630332	633332	636332	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.36	19.40	19.30	20.5	0.0
Channel								
	Frequency (MHz)			630000	633332	636666	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.31	19.36	19.38	20.5	0.0
Channel								
	Frequency (MHz)			629664	633332	637000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.35	19.32	19.39	20.5	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 96 (3550-3700MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 640000	Middle Ch. Freq. 841666	High Ch. Freq. 844332		
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	19.34	19.30	19.29	20.5	0.0
100	P1/2 BPSK	1	137	19.29	19.31	19.28		
100	P1/2 BPSK	1	274	19.27	19.35	19.37		
100	P1/2 BPSK	135	0	19.35	19.32	19.35	20.5	0.0
100	P1/2 BPSK	135	69	19.30	19.33	19.37	20.5	0.0
100	P1/2 BPSK	135	138	19.34	19.30	19.27	20.5	0.0
100	P1/2 BPSK	270	0	19.38	19.32	19.31	20.5	0.0
100	QPSK	1	1	19.43	19.07	19.42		
100	QPSK	1	137	19.30	19.39	19.38		
100	QPSK	1	274	19.31	19.30	19.33	20.5	0.0
100	QPSK	135	0	19.36	19.34	19.32	20.5	0.0
100	QPSK	135	69	19.41	19.43	19.40	20.5	0.0
100	QPSK	135	138	19.25	19.29	19.34	20.5	0.0
100	QPSK	270	0	19.31	19.38	19.30	20.5	0.0
100	16QAM	1	1	19.35	19.37	19.24	20.5	0.0
100	64QAM	1	1	19.30	19.38	19.33	20.5	0.0
100	256QAM	1	1	18.70	18.80	18.87	20.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	638666	841666	843666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3265.02	3624.99	3654.99	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	639334	841666	844000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3591.01	3624.99	3660	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	636000	841666	844332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3395	3624.99	3654.98	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	638666	841666	844666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3590.02	3624.99	3659.99	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	638334	841666	845000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3590.02	3624.99	3670.15	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	638000	841666	845332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3570	3624.99	3673.98	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	637666	841666	845666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3565.02	3624.99	3684.99	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	637334	841666	846000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	3562.5	3624.99	3687.48	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	637000	841666	846332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3557.52	3624.99	3692.49	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	636666	841666	846666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3555	3624.99	3694.98	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	636334	841666	847000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3555	3624.99	3694.98	20.5	0.0



Reduced Power for State 4

FR1 n2\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	20.40	20.48	20.44	21.5	0.0
40	P12 BPSK	1	108	20.42	20.45	20.40		
40	P12 BPSK	1	214	20.40	20.43	20.38	21.5	0.0
40	P12 BPSK	108	0	20.42	20.43	20.40		
40	P12 BPSK	108	54	20.41	20.45	20.38	21.5	0.0
40	P12 BPSK	108	108	20.38	20.43	20.40		
40	P12 BPSK	216	0	20.41	20.48	20.39	21.5	0.0
40	P12 BPSK	216	1	20.51	20.53	20.50		
40	QPSK	1	108	20.40	20.41	20.34	21.5	0.0
40	QPSK	1	214	20.48	20.42	20.38		
40	QPSK	108	0	20.38	20.40	20.44	21.5	0.0
40	QPSK	108	54	20.45	20.46	20.45		
40	QPSK	108	108	20.38	20.38	20.37	21.5	0.0
40	QPSK	216	0	20.43	20.44	20.40		
40	16QAM	1	1	20.46	20.46	20.42	21.5	0.0
40	64QAM	1	1	20.42	20.41	20.40		
40	256QAM	1	1	19.20	19.25	19.15	20.0	1.5
Channel								
Frequency (MHz)								
35	P12 BPSK	1	1	20.42	20.45	20.41	21.5	0.0
Channel								
Frequency (MHz)								
30	P12 BPSK	1	1	20.44	20.47	20.41	21.5	0.0
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	20.36	20.39	20.30	21.5	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	20.43	20.48	20.37	21.5	0.0
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	20.36	20.42	20.35	21.5	0.0
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	20.37	20.39	20.35	21.5	1.0
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	20.41	20.39	20.43	21.5	0.0

FR1 n5\_Ant 0(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
25	P12 BPSK	1	1	23.58	23.55	23.54	24.5	0.0
25	P12 BPSK	1	32	23.60	23.56	23.55		
25	P12 BPSK	1	64	23.53	23.62	23.54	24.0	0.5
25	P12 BPSK	64	0	23.07	23.10	23.07		
25	P12 BPSK	64	32	23.59	23.60	23.58	24.0	0.5
25	P12 BPSK	64	64	23.01	23.02	23.01		
25	P12 BPSK	128	0	23.01	23.12	23.08	24.5	0.0
25	QPSK	1	1	23.65	23.68	23.63		
25	QPSK	1	32	23.57	23.59	23.48	24.5	0.0
25	QPSK	1	64	23.58	23.52	23.51		
25	QPSK	64	0	22.80	22.83	22.55	23.5	1.0
25	QPSK	64	32	23.58	23.61	23.51		
25	QPSK	64	64	22.52	22.57	22.53	23.5	1.0
25	QPSK	128	0	22.51	22.62	22.53		
25	16QAM	1	1	22.28	22.30	22.25	23.5	1.0
25	64QAM	1	1	20.74	20.76	20.72		
25	256QAM	1	1	19.43	19.45	19.42	20.0	4.5
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	23.58	23.58	23.53	24.5	0.0
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	23.55	23.62	23.52	24.5	0.0
Channel								
Frequency (MHz)								
10	P12 BPSK	1	1	23.56	23.59	23.50	24.5	0.0
Channel								
Frequency (MHz)								
5	P12 BPSK	1	1	23.54	23.58	23.56	24.5	0.0



FR1 n66\_Ant 2(SA)

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1717.5	1745	1772.5		
45	P12 BPSK	1	1	20.54	20.51	20.51	21.5	0.0
45	P12 BPSK	1	120	20.58	20.58	20.49		
45	P12 BPSK	1	240	20.50	20.56	20.53		
45	P12 BPSK	120	0	20.51	20.57	20.56	21.5	0.0
45	P12 BPSK	120	80	20.47	20.57	20.51	21.5	0.0
45	P12 BPSK	120	120	20.56	20.50	20.56		
45	P12 BPSK	240	0	20.47	20.58	20.51		
45	QPSK	1	1	20.63	20.66	20.62	21.5	0.0
45	QPSK	1	120	20.53	20.80	20.48		
45	QPSK	1	240	20.50	20.57	20.46		
45	QPSK	120	0	20.50	20.58	20.47	21.5	0.0
45	QPSK	120	80	20.63	20.63	20.58	21.5	0.0
45	QPSK	120	120	20.44	20.55	20.43	21.5	0.0
45	QPSK	240	0	20.54	20.55	20.45	21.5	0.0
45	16QAM	1	1	20.52	20.50	20.47	21.5	0.0
45	64QAM	1	1	20.50	20.51	20.47	21.5	0.0
45	256QAM	1	1	18.98	18.05	18.89	20.0	1.5
Channel				349000	350000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	P12 BPSK	1	1	20.44	20.47	20.53	21.5	0.0
Channel				350000	351000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	P12 BPSK	1	1	20.49	20.55	20.50	21.5	0.0
Channel				351000	352000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P12 BPSK	1	1	20.50	20.52	20.42	21.5	0.0
Channel				352000	353000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	P12 BPSK	1	1	20.51	20.54	20.42	21.5	0.0
Channel				353000	354000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P12 BPSK	1	1	20.48	20.47	20.43	21.5	0.0
Channel				354000	355000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P12 BPSK	1	1	20.53	20.52	20.45	21.5	0.0
Channel				355000	356000	357000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P12 BPSK	1	1	20.44	20.55	20.47	21.5	0.0
Channel				356000	357000	358000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P12 BPSK	1	1	20.51	20.53	20.53	21.5	0.0





**FR1 n77\_Ant 2(SA)**  
**FCC Part 27O (3700-3980MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. @50000	Power Middle Ch. / Freq. @50000	Power High Ch. / Freq. @60000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.50	17.50	17.50		
100	PI2 BPSK	1	137	17.98	17.92	17.93	19.0	0.0
100	PI2 BPSK	1	271	17.93	17.91	17.90		
100	PI2 BPSK	135	0	17.98	17.97	17.97	19.0	0.0
100	PI2 BPSK	135	69	17.89	17.95	17.95	19.0	0.0
100	PI2 BPSK	135	138	17.94	17.91	17.90	19.0	0.0
100	PI2 BPSK	270	0	17.87	17.94	17.95		
100	QPSK	1	1	18.03	18.02	18.02		
100	QPSK	1	137	17.88	17.99	17.97	19.0	0.0
100	QPSK	1	271	17.95	17.98	17.95		
100	QPSK	135	0	17.94	17.91	17.98	19.0	0.0
100	QPSK	135	69	18.01	18.03	18.00	19.0	0.0
100	QPSK	135	138	17.92	17.98	17.93	19.0	0.0
100	QPSK	270	0	17.92	17.93	17.89	19.0	0.0
100	16QAM	1	1	17.94	17.93	17.92	19.0	0.0
100	64QAM	1	1	17.90	17.94	17.89	19.0	0.0
100	256QAM	1	1	17.96	17.98	17.89	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.92	17.98	17.85	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.87	17.92	17.87	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.92	17.98	17.95	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.96	17.98	17.90	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.95	17.91	17.87	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.93	17.98	17.87	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.88	17.90	17.84	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.94	17.90	17.95	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.88	17.87	17.89	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.94	17.90	17.91	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.89	17.92	17.89	19.0	0.0

**FR1 n77\_Ant 2(SA)**  
**FCC Part 27Q (3450-3550MHz)**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3499.98				
100	PI2 BPSK	1	137		17.93		19.0	0.0	
100	PI2 BPSK	1	271		17.89				
100	PI2 BPSK	135	0		17.94		19.0	0.0	
100	PI2 BPSK	135	69		17.94		19.0	0.0	
100	PI2 BPSK	135	138		17.87		19.0	0.0	
100	PI2 BPSK	270	0		17.85				
100	QPSK	1	1		18.00				
100	QPSK	1	137		17.89		19.0	0.0	
100	QPSK	1	271		17.95				
100	QPSK	135	0		17.87		19.0	0.0	
100	QPSK	135	69		17.98		19.0	0.0	
100	QPSK	135	138		17.93		19.0	0.0	
100	QPSK	270	0		17.82		19.0	0.0	
100	16QAM	1	1		17.91		19.0	0.0	
100	64QAM	1	1		17.84		19.0	0.0	
100	256QAM	1	1		17.91		19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1		3495	3499.98	3504.99	19.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		3490.02	3499.98	3500.00	19.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		3485.01	3499.98	3514.98	19.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		3480.01	3499.98	3519.99	19.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		3475.02	3499.98	3524.99	19.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		3470.01	3499.98	3529.98	19.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		3465.01	3499.98	3534.99	19.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1		3460.02	3499.98	3539.98	19.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		3455.00	3499.98	3544.99	19.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1		3450.01	3499.98	3549.98	19.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1		3445.01	3499.98	3554.98	19.0	0.0



**FR1 n77\_Ant 2(SA)**  
**FCC Part 96 (3550-3700MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 640000	Middle Ch. Freq. 641666	High Ch. Freq. 643332		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.83	17.84	17.87	19.0	0.0
100	PI2 BPSK	1	137	17.95	17.82	17.77		
100	PI2 BPSK	1	274	17.82	17.87	17.84		
100	PI2 BPSK	135	0	17.85	17.81	17.88	19.0	0.0
100	PI2 BPSK	135	69	17.86	17.91	17.84	19.0	0.0
100	PI2 BPSK	135	138	17.82	17.84	17.79	19.0	0.0
100	PI2 BPSK	270	0	17.81	17.86	17.77	19.0	0.0
100	QPSK	1	1	17.95	17.97	17.93		
100	QPSK	1	137	17.81	17.82	17.87		
100	QPSK	1	274	17.83	17.81	17.85	19.0	0.0
100	QPSK	135	0	17.88	17.81	17.88	19.0	0.0
100	QPSK	135	69	17.93	17.95	17.91	19.0	0.0
100	QPSK	135	138	17.85	17.87	17.83	19.0	0.0
100	QPSK	270	0	17.81	17.86	17.83	19.0	0.0
100	16QAM	1	1	17.79	17.89	17.84	19.0	0.0
100	16QAM	1	1	17.82	17.86	17.79	19.0	0.0
100	256QAM	1	1	17.80	17.82	17.77	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	638666	641666	643666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3655.02	3624.99	3654.99	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3591.61	3624.99	3650	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.84	17.81	17.84	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	636000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3595	3624.99	3654.98	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	638666	641666	643666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3575.01	3624.99	3675	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3570	3624.99	3675.98	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	637666	641666	645000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3565.02	3624.99	3684.99	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.88	17.86	17.87	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	637334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3560.01	3624.99	3690	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.79	17.83	17.78	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	637000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3555	3624.99	3694.98	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	637000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3555	3624.99	3694.98	19.0	0.0



### Full&Default Power ENDC Mode FR1 n7\_Ant 4(NSA)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
2525								
50	P12 BPSK	1	1	7.93	7.94	7.93	9.0	0.0
50	P12 BPSK	1	135	7.91	7.95	7.89		
50	P12 BPSK	1	268	7.95	7.95	7.87		
50	P12 BPSK	135	0	7.92	7.95	7.97	9.0	0.0
50	P12 BPSK	135	68	7.96	7.87	7.98	9.0	0.0
50	P12 BPSK	135	135	7.95	7.91	7.97	9.0	0.0
50	P12 BPSK	270	0	7.85	7.95	7.93		
50	QPSK	1	1	8.03	8.10	8.05		
50	QPSK	1	135	7.90	7.89	7.89	9.0	0.0
50	QPSK	1	268	7.98	7.97	7.87	9.0	0.0
50	QPSK	135	0	7.98	7.86	7.97		
50	QPSK	135	68	8.00	8.08	7.97		
50	QPSK	135	135	7.89	7.98	7.90	9.0	0.0
50	QPSK	270	0	7.90	7.87	7.95	9.0	0.0
50	16QAM	1	1	7.92	7.91	7.98		
50	16QAM	1	1	7.90	7.89	7.94		
50	256QAM	1	1	7.95	7.95	7.92	9.0	0.0
Channel								
Frequency (MHz)								
2520								
40	P12 BPSK	1	1	7.96	7.90	7.88	9.0	0.0
Channel								
Frequency (MHz)								
50350								
50700								
51050								
Tune-up limit (dBm)								
MPR (dB)								
35	P12 BPSK	1	1	7.92	7.97	7.89	9.0	0.0
Channel								
Frequency (MHz)								
503000								
507000								
511000								
Tune-up limit (dBm)								
MPR (dB)								
30	P12 BPSK	1	1	7.95	7.85	7.87	9.0	0.0
Channel								
Frequency (MHz)								
502600								
507000								
511600								
Tune-up limit (dBm)								
MPR (dB)								
25	P12 BPSK	1	1	7.97	7.87	7.81	9.0	0.0
Channel								
Frequency (MHz)								
502000								
507000								
512000								
Tune-up limit (dBm)								
MPR (dB)								
20	P12 BPSK	1	1	7.93	7.90	7.89	9.0	0.0
Channel								
Frequency (MHz)								
2510								
2535								
2560								
Tune-up limit (dBm)								
MPR (dB)								
15	P12 BPSK	1	1	7.92	7.85	7.89	9.0	0.0
Channel								
Frequency (MHz)								
501000								
507000								
513000								
Tune-up limit (dBm)								
MPR (dB)								
10	P12 BPSK	1	1	7.85	7.92	7.90	9.0	0.0
Channel								
Frequency (MHz)								
500500								
507000								
513500								
Tune-up limit (dBm)								
MPR (dB)								
5	P12 BPSK	1	1	7.85	7.89	7.81	9.0	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 27O (3700-3800MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.50	3750			
100	PI2 BPSK	1	137	22.90			24.0	0.0
100	PI2 BPSK	1	271	22.86				
100	PI2 BPSK	135	0	22.85			24.0	0.0
100	PI2 BPSK	135	89	22.92				
100	PI2 BPSK	135	138	22.88			24.0	0.0
100	PI2 BPSK	270	0	22.86				
100	QPSK	1	1	23.00			24.0	0.0
100	QPSK	1	137	22.92				
100	QPSK	1	271	22.75				
100	QPSK	135	0	22.55			23.5	0.5
100	QPSK	135	89	22.98			24.0	0.0
100	QPSK	135	138	22.53			23.5	0.5
100	QPSK	270	0	22.56				
100	16QAM	1	1	22.45			23.5	0.5
100	16QAM	1	1	20.74			22.0	2.0
100	256QAM	1	1	18.82			20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64868	65000	65032	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3754.98		
				22.93	22.93	22.95	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64334	65000	65066	Tune-up limit (dBm)	MPR (dB)
				3740.01	3750	3759.99		
				22.93	22.96	22.94	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64868	65000	65100	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
				22.94	22.93	22.96	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
				3740.02	3750	3764.98		
				22.93	22.94	22.93	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64334	65000	65166	Tune-up limit (dBm)	MPR (dB)
				3735.01	3750	3774.99		
				22.99	22.98	22.94	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
				22.99	22.98	22.99	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65032	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750.00	3784.98		
				22.96	22.95	22.95	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	64750	65000	65050	Tune-up limit (dBm)	MPR (dB)
				3712.5	3750.00	3787.50		
				22.93	22.93	22.98	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65066	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3783.98		
				22.94	22.96	22.95	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64718	65000	65082	Tune-up limit (dBm)	MPR (dB)
				3707.52	3750	3782.48		
				22.93	22.97	22.99	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				22.99	22.99	22.95	24.0	0.0

**FR1 n78\_Ant 2(NSA)**  
**FCC Part 27Q (3450-3550MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.00	3499.98			
100	PI2 BPSK	1	137	23.01			24.0	0.0
100	PI2 BPSK	1	271	22.91				
100	PI2 BPSK	135	0	23.02			24.0	0.0
100	PI2 BPSK	135	89	23.13				
100	PI2 BPSK	135	138	22.97			24.0	0.0
100	PI2 BPSK	270	0	23.02				
100	QPSK	1	1	23.14			24.0	0.0
100	QPSK	1	137	22.98				
100	QPSK	1	271	22.87				
100	QPSK	135	0	22.79			23.5	0.5
100	QPSK	135	89	23.13			24.0	0.0
100	QPSK	135	138	22.74			23.5	0.5
100	QPSK	270	0	22.81				
100	16QAM	1	1	22.51			23.5	0.5
100	16QAM	1	1	21.20			22.0	2.0
100	256QAM	1	1	19.22			20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
				3495	3499.98	3504.99		
				23.12	23.11	23.10	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
				3490.02	3499.98	3510		
				23.13	23.07	23.07	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
				3485	3499.98	3519.98		
				23.11	23.10	23.08	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
				3485	3499.98	3519.98		
				23.10	23.10	23.08	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3499.98	3525		
				23.09	23.09	23.11	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
				3470.01	3499.98	3530.98		
				23.11	23.09	23.09	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
				3465	3499.98	3534.99		
				23.07	23.07	23.11	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	63084	63332	63592	Tune-up limit (dBm)	MPR (dB)
				3462.51	3499.98	3537.48		
				23.07	23.10	23.07	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
				3460.02	3499.98	3540		
				23.07	23.13	23.07	24.0	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	1	63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
				3457.5	3499.98	3542.49		
				23.12	23.09	23.13	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
				3455.01	3499.98	3544.98		
				23.13	23.12	23.13	24.0	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 96 (3550-3700MHz)**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3500	3524.99	3549.98		
100	PI2 BPSK	1	1	20.61	20.61	20.52	21.8	0.0
100	PI2 BPSK	1	137	20.52	20.66	20.59		
100	PI2 BPSK	1	271	20.60	20.61	20.56		
100	PI2 BPSK	135	0	20.65	20.57	20.59	21.8	0.0
100	PI2 BPSK	135	69	20.61	20.58	20.60	21.8	0.0
100	PI2 BPSK	135	138	20.65	20.70	20.62	21.8	0.0
100	PI2 BPSK	270	0	20.58	20.60	20.60		
100	QPSK	1	1	20.67	20.67	20.86		
100	QPSK	1	137	20.63	20.54	20.61	21.8	0.0
100	QPSK	1	271	20.55	20.70	20.56		
100	QPSK	135	0	20.64	20.66	20.60		
100	QPSK	135	69	20.68	20.78	20.77	21.8	0.0
100	QPSK	135	138	20.63	20.61	20.53	21.8	0.0
100	QPSK	270	0	20.60	20.64	20.50		
100	16QAM	1	1	20.62	20.57	20.60		
100	64QAM	1	1	20.54	20.70	20.77	21.8	0.0
100	256QAM	1	1	19.17	19.42	19.47	20.0	1.8
Channel				639668	641666	643666	Tune-up limit	MPR
Frequency (MHz)				3505.02	3524.99	3544.99	(dBm)	(dB)
90	QPSK	1	1	20.63	20.61	20.52	21.8	0.0
Channel				639334	641666	644000	Tune-up limit	MPR
Frequency (MHz)				3590.01	3624.99	3660	(dBm)	(dB)
80	QPSK	1	1	20.66	20.56	20.49	21.8	0.0
Channel				639000	641666	643332	Tune-up limit	MPR
Frequency (MHz)				3585	3624.99	3664.98	(dBm)	(dB)
70	QPSK	1	1	20.68	20.52	20.58	21.8	0.0
Channel				638666	641666	644666	Tune-up limit	MPR
Frequency (MHz)				3580.02	3624.99	3669.98	(dBm)	(dB)
60	QPSK	1	1	20.57	20.57	20.46	21.8	0.0
Channel				638334	641666	645000	Tune-up limit	MPR
Frequency (MHz)				3573.01	3624.99	3675	(dBm)	(dB)
50	QPSK	1	1	20.65	20.60	20.48	21.8	0.0
Channel				638000	641666	645332	Tune-up limit	MPR
Frequency (MHz)				3570	3624.99	3678.98	(dBm)	(dB)
40	QPSK	1	1	20.60	20.61	20.51	21.8	0.0
Channel				637668	641666	645666	Tune-up limit	MPR
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)	(dB)
30	QPSK	1	1	20.58	20.50	20.56	21.8	0.0
Channel				637334	641666	645998	Tune-up limit	MPR
Frequency (MHz)				3562.5	3624.99	3687.48	(dBm)	(dB)
25	QPSK	1	1	20.66	20.58	20.58	21.8	0.0
Channel				637000	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3560.01	3624.99	3690	(dBm)	(dB)
20	QPSK	1	1	20.69	20.52	20.50	21.8	0.0
Channel				637168	641666	646168	Tune-up limit	MPR
Frequency (MHz)				3557.52	3624.99	3692.48	(dBm)	(dB)
15	QPSK	1	1	20.64	20.55	20.55	21.8	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3694.98	(dBm)	(dB)
10	QPSK	1	1	20.59	20.59	20.57	21.8	0.0



**Reduced ENDC Power for State 1**  
**FR1 n7\_Ant 4(NSA)**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2225	2235	2245		
50	PI2 BPSK	1	1	7.93	7.94	7.93		
50	PI2 BPSK	1	135	7.91	7.95	7.89	9.0	0.0
50	PI2 BPSK	1	268	7.95	7.95	7.87		
50	PI2 BPSK	135	0	7.92	7.95	7.97	9.0	0.0
50	PI2 BPSK	135	68	7.96	7.87	7.96	9.0	0.0
50	PI2 BPSK	135	135	7.95	7.91	7.97		
50	PI2 BPSK	270	0	7.85	7.95	7.93	9.0	0.0
50	QPSK	1	1	8.03	8.10	8.05		
50	QPSK	1	135	7.90	7.89	7.89	9.0	0.0
50	QPSK	1	268	7.96	7.97	7.87		
50	QPSK	135	0	7.98	7.86	7.97	9.0	0.0
50	QPSK	135	68	8.00	8.08	7.97	9.0	0.0
50	QPSK	135	135	7.99	7.96	7.90		
50	QPSK	270	0	7.90	7.87	7.95	9.0	0.0
50	16QAM	1	1	7.92	7.91	7.98	9.0	0.0
50	64QAM	1	1	7.90	7.89	7.94	9.0	0.0
50	256QAM	1	1	7.95	7.98	7.92	9.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2220	2235	2250		
40	PI2 BPSK	1	1	7.88	7.90	7.89	9.0	0.0
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2517.5	2535	2552.5		
35	PI2 BPSK	1	1	7.92	7.97	7.93	9.0	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	7.95	7.85	7.87	9.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	7.97	7.87	7.91	9.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	7.95	7.93	7.93	9.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	7.92	7.85	7.89	9.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	7.85	7.92	7.90	9.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	7.85	7.89	7.91	9.0	0.0



**FR1 n78\_Ant 2(NSA)**

**FCC Part 27O (3700-3800MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				650000				
100	PI2 BPSK	1	1	1177	3750			
100	PI2 BPSK	1	137	1177			12.5	0.0
100	PI2 BPSK	1	271	1177				
100	PI2 BPSK	135	0	1174			12.5	0.0
100	PI2 BPSK	135	89	1173				
100	PI2 BPSK	135	138	1175			12.5	0.0
100	PI2 BPSK	270	0	1173				
100	QPSK	1	1	1183			12.5	0.0
100	QPSK	1	137	1170				
100	QPSK	1	271	1176				
100	QPSK	135	0	1178			12.5	0.0
100	QPSK	135	89	1181			12.5	0.0
100	QPSK	135	138	1171			12.5	0.0
100	16QAM	1	1	1171			12.5	0.0
100	64QAM	1	1	1178			12.5	0.0
100	256QAM	1	1	1172			12.5	0.0
Channel				64868	65000	65032	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	1170	1168	1169	12.5	0.0
Channel				64334	65000	65066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	1185	1172	1171	12.5	0.0
Channel				64950	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	1173	1176	1172	12.5	0.0
Channel				64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.02	3750	3765.98		
60	QPSK	1	1	1186	1173	1170	12.5	0.0
Channel				64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.01	3750	3774.99		
50	QPSK	1	1	1171	1175	1171	12.5	0.0
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	1170	1172	1171	12.5	0.0
Channel				64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	1175	1175	1185	12.5	0.0
Channel				64750	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3787.50		
25	QPSK	1	1	1187	1172	1168	12.5	0.0
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3783.98		
20	QPSK	1	1	1187	1187	1187	12.5	0.0
Channel				64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.52	3750	3792.48		
15	QPSK	1	1	1173	1189	1173	12.5	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3795			
10	QPSK	1	1	1173	1178	1173	12.5	0.0

**FR1 n78\_Ant 2(NSA)**

**FCC Part 27Q (3450-3550MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				63332				
100	PI2 BPSK	1	1	1152	3499.98			
100	PI2 BPSK	1	137	1157			12.5	0.0
100	PI2 BPSK	1	271	1159				
100	PI2 BPSK	135	0	1155			12.5	0.0
100	PI2 BPSK	135	89	1162				
100	PI2 BPSK	135	138	1160			12.5	0.0
100	PI2 BPSK	270	0	1159				
100	QPSK	1	1	1168			12.5	0.0
100	QPSK	1	137	1163				
100	QPSK	1	271	1161				
100	QPSK	135	0	1180			12.5	0.0
100	QPSK	135	89	1186			12.5	0.0
100	QPSK	135	138	1153			12.5	0.0
100	16QAM	1	1	1159			12.5	0.0
100	64QAM	1	1	1162			12.5	0.0
100	256QAM	1	1	1161			12.5	0.0
Channel				63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	1154	1154	1153	12.5	0.0
Channel				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	1154	1163	1157	12.5	0.0
Channel				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	1154	1154	1157	12.5	0.0
Channel				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	1157	1160	1149	12.5	0.0
Channel				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	1154	1163	1158	12.5	0.0
Channel				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	1153	1162	1153	12.5	0.0
Channel				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	1160	1159	1159	12.5	0.0
Channel				63064	63332	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
25	QPSK	1	1	1153	1158	1158	12.5	0.0
Channel				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.02	3499.98	3545		
20	QPSK	1	1	1151	1159	1157	12.5	0.0
Channel				63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	1151	1153	1151	12.5	0.0
Channel				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	1151	1152	1157	12.5	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 96 (3550-3700MHz)**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI2 BPSK	1	1	11.58	11.57	11.48		
100	PI2 BPSK	1	137	11.60	11.61	11.54	12.5	0.0
100	PI2 BPSK	1	271	11.55	11.60	11.56		
100	PI2 BPSK	135	0	11.51	11.59	11.48	12.5	0.0
100	PI2 BPSK	135	89	11.56	11.54	11.47	12.5	0.0
100	PI2 BPSK	135	138	11.57	11.58	11.54	12.5	0.0
100	PI2 BPSK	270	0	11.49	11.55	11.51		
100	QPSK	1	1	11.65	11.67	11.63		
100	QPSK	1	137	11.51	11.55	11.56	12.5	0.0
100	QPSK	1	271	11.60	11.61	11.53		
100	QPSK	135	0	11.49	11.54	11.49	12.5	0.0
100	QPSK	135	89	11.63	11.66	11.61	12.5	0.0
100	QPSK	135	138	11.58	11.58	11.51	12.5	0.0
100	QPSK	270	0	11.60	11.62	11.58		
100	16QAM	1	1	11.50	11.60	11.54	12.5	0.0
100	64QAM	1	1	11.50	11.51	11.53	12.5	0.0
100	256QAM	1	1	11.50	11.61	11.48	12.5	0.0
Channel				638668	641666	643666	Tune-up limit	MPR
Frequency (MHz)				3595.02	3624.99	3654.99	(dBm)	(dB)
90	QPSK	1	1	11.55	11.55	11.55	12.5	0.0
Channel				639334	641666	644000	Tune-up limit	MPR
Frequency (MHz)				3590.01	3624.99	3660	(dBm)	(dB)
80	QPSK	1	1	11.55	11.53	11.49	12.5	0.0
Channel				639000	641666	643332	Tune-up limit	MPR
Frequency (MHz)				3585	3624.99	3664.98	(dBm)	(dB)
70	QPSK	1	1	11.50	11.56	11.51	12.5	0.0
Channel				638668	641666	644666	Tune-up limit	MPR
Frequency (MHz)				3580.02	3624.99	3689.98	(dBm)	(dB)
60	QPSK	1	1	11.58	11.54	11.48	12.5	0.0
Channel				638334	641666	645000	Tune-up limit	MPR
Frequency (MHz)				3575.01	3624.99	3705	(dBm)	(dB)
50	QPSK	1	1	11.57	11.58	11.55	12.5	0.0
Channel				638000	641666	645332	Tune-up limit	MPR
Frequency (MHz)				3570	3624.99	3739.98	(dBm)	(dB)
40	QPSK	1	1	11.49	11.54	11.54	12.5	0.0
Channel				637668	641666	645666	Tune-up limit	MPR
Frequency (MHz)				3565.02	3624.99	3804.99	(dBm)	(dB)
30	QPSK	1	1	11.53	11.60	11.47	12.5	0.0
Channel				637000	641666	645998	Tune-up limit	MPR
Frequency (MHz)				3562.5	3624.99	3837.48	(dBm)	(dB)
25	QPSK	1	1	11.53	11.59	11.47	12.5	0.0
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3560.01	3624.99	3860	(dBm)	(dB)
20	QPSK	1	1	11.53	11.59	11.51	12.5	0.0
Channel				637168	641666	646166	Tune-up limit	MPR
Frequency (MHz)				3557.52	3624.99	3892.49	(dBm)	(dB)
15	QPSK	1	1	11.55	11.59	11.50	12.5	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3904.98	(dBm)	(dB)
10	QPSK	1	1	11.57	11.58	11.55	12.5	0.0





**Reduced ENDC Power for State 3**  
**FR1 n7\_Ant 4(NSA)**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	7.93	7.94	7.93		
50	PI2 BPSK	1	135	7.91	7.95	7.89	9.0	0.0
50	PI2 BPSK	1	268	7.95	7.95	7.87		
50	PI2 BPSK	135	0	7.92	7.95	7.97	9.0	0.0
50	PI2 BPSK	135	68	7.96	7.87	7.96	9.0	0.0
50	PI2 BPSK	135	135	7.95	7.91	7.97		
50	PI2 BPSK	270	0	7.85	7.95	7.93	9.0	0.0
50	QPSK	1	1	8.03	8.10	8.05		
50	QPSK	1	135	7.90	7.89	7.89	9.0	0.0
50	QPSK	1	268	7.96	7.97	7.87		
50	QPSK	135	0	7.98	7.86	7.97	9.0	0.0
50	QPSK	135	68	8.00	8.08	7.97	9.0	0.0
50	QPSK	135	135	7.99	7.96	7.90		
50	QPSK	270	0	7.90	7.87	7.95	9.0	0.0
50	16QAM	1	1	7.92	7.91	7.98	9.0	0.0
50	64QAM	1	1	7.90	7.89	7.94	9.0	0.0
50	256QAM	1	1	7.95	7.98	7.92	9.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	7.88	7.90	7.89	9.0	0.0
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2517.5	2535	2552.5		
35	PI2 BPSK	1	1	7.92	7.97	7.93	9.0	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	7.95	7.85	7.87	9.0	0.0
Channel				505500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	7.97	7.87	7.91	9.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	7.95	7.93	7.93	9.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	7.92	7.85	7.89	9.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	7.85	7.92	7.90	9.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	7.85	7.89	7.91	9.0	0.0



**FR1 n78\_Ant 2(NSA)**

**FCC Part 27O (3700-3800MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				650000				
100	PI2 BPSK	1	1	19.70				
100	PI2 BPSK	1	137	19.77			20.5	0.0
100	PI2 BPSK	1	271	19.70				
100	PI2 BPSK	135	0	19.75			20.5	0.0
100	PI2 BPSK	135	69	19.75			20.5	0.0
100	PI2 BPSK	135	138	19.77			20.5	0.0
100	PI2 BPSK	270	0	19.71				
100	QPSK	1	1	19.82			20.5	0.0
100	QPSK	1	137	19.75				
100	QPSK	1	271	19.70				
100	QPSK	135	0	19.70			20.5	0.0
100	QPSK	135	69	19.80			20.5	0.0
100	QPSK	135	138	19.69			20.5	0.0
100	QPSK	270	0	19.67				
100	16QAM	1	1	19.69			20.5	0.0
100	16QAM	1	1	19.69			20.5	0.0
100	256QAM	1	1	19.12			20.0	0.5
Channel				64868	65000	65032	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	19.66	19.72	19.65	20.5	0.0
Channel				64334	65000	65666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	19.73	19.64	19.75	20.5	0.0
Channel				64890	65000	65160	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.65	19.74	19.72	20.5	0.0
Channel				64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3765.98		
60	QPSK	1	1	19.73	19.74	19.67	20.5	0.0
Channel				64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.01	3750	3774.99		
50	QPSK	1	1	19.74	19.75	19.72	20.5	0.0
Channel				64900	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.71	19.67	19.69	20.5	0.0
Channel				64868	65000	65332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	QPSK	1	1	19.71	19.68	19.74	20.5	0.0
Channel				64750	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3787.50		
25	QPSK	1	1	19.71	19.68	19.67	20.5	0.0
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3783.99		
20	QPSK	1	1	19.74	19.66	19.73	20.5	0.0
Channel				64768	65000	65282	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	19.54	19.72	19.65	20.5	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.72	19.70	19.74	20.5	0.0

**FR1 n78\_Ant 2(NSA)**

**FCC Part 27Q (3450-3550MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				63332				
100	PI2 BPSK	1	1	19.54				
100	PI2 BPSK	1	137	19.52			20.5	0.0
100	PI2 BPSK	1	271	19.57				
100	PI2 BPSK	135	0	19.56			20.5	0.0
100	PI2 BPSK	135	69	19.54			20.5	0.0
100	PI2 BPSK	135	138	19.49			20.5	0.0
100	PI2 BPSK	270	0	19.60				
100	QPSK	1	1	19.55			20.5	0.0
100	QPSK	1	137	19.49				
100	QPSK	1	271	19.57				
100	QPSK	135	0	19.58			20.5	0.0
100	QPSK	135	69	19.63			20.5	0.0
100	QPSK	135	138	19.56			20.5	0.0
100	QPSK	270	0	19.48				
100	16QAM	1	1	19.57			20.5	0.0
100	16QAM	1	1	19.56			20.5	0.0
100	256QAM	1	1	19.22			20.0	0.5
Channel				63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	19.57	19.57	19.53	20.5	0.0
Channel				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	19.50	19.45	19.51	20.5	0.0
Channel				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	19.58	19.58	19.53	20.5	0.0
Channel				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	QPSK	1	1	19.57	19.50	19.50	20.5	0.0
Channel				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	19.53	19.43	19.51	20.5	0.0
Channel				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	19.54	19.43	19.53	20.5	0.0
Channel				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	19.45	19.54	19.49	20.5	0.0
Channel				63064	63332	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
25	QPSK	1	1	19.50	19.47	19.54	20.5	0.0
Channel				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3545		
20	QPSK	1	1	19.55	19.52	19.54	20.5	0.0
Channel				63034	63332	63616	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	3499.98	3542.49		
16	QPSK	1	1	19.53	19.47	19.49	20.5	0.0
Channel				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	19.54	19.56	19.50	20.5	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 96 (3550-3700MHz)**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3500	3524.99	3549.98		
100	PI2 BPSK	1	1	19.53	19.53	19.53	20.5	0.0
100	PI2 BPSK	1	137	19.55	19.60	19.52		
100	PI2 BPSK	1	271	19.58	19.54	19.56		
100	PI2 BPSK	135	0	19.57	19.51	19.53		
100	PI2 BPSK	135	69	19.57	19.51	19.53	20.5	0.0
100	PI2 BPSK	135	138	19.56	19.53	19.52	20.5	0.0
100	PI2 BPSK	270	0	19.50	19.59	19.53		
100	QPSK	1	1	19.54	19.56	19.53		
100	QPSK	1	137	19.59	19.58	19.56		
100	QPSK	1	271	19.59	19.54	19.50	20.5	0.0
100	QPSK	135	0	19.56	19.51	19.49		
100	QPSK	135	69	19.61	19.63	19.60		
100	QPSK	135	138	19.56	19.59	19.54		
100	QPSK	270	0	19.54	19.57	19.51	20.5	0.0
100	16QAM	1	1	19.54	19.51	19.47	20.5	0.0
100	64QAM	1	1	19.54	19.54	19.51	20.5	0.0
100	256QAM	1	1	19.53	19.56	19.50	19.5	1.0
Channel				639668	641666	643666	Tune-up limit	MPR
Frequency (MHz)				3505.02	3524.99	3524.99	(dBm)	(dB)
90	QPSK	1	1	19.59	19.51	19.52	20.5	0.0
Channel				639334	641666	644000	Tune-up limit	MPR
Frequency (MHz)				3590.01	3624.99	3660	(dBm)	(dB)
80	QPSK	1	1	19.48	19.50	19.53	20.5	0.0
Channel				639000	641666	643332	Tune-up limit	MPR
Frequency (MHz)				3585	3624.99	3664.98	(dBm)	(dB)
70	QPSK	1	1	19.59	19.55	19.56	20.5	0.0
Channel				638666	641666	644666	Tune-up limit	MPR
Frequency (MHz)				3580.02	3624.99	3669.98	(dBm)	(dB)
60	QPSK	1	1	19.51	19.58	19.58	20.5	0.0
Channel				638334	641666	645000	Tune-up limit	MPR
Frequency (MHz)				3575.01	3624.99	3670	(dBm)	(dB)
50	QPSK	1	1	19.55	19.60	19.50	20.5	0.0
Channel				638000	641666	645332	Tune-up limit	MPR
Frequency (MHz)				3570	3624.99	3678.98	(dBm)	(dB)
40	QPSK	1	1	19.49	19.50	19.49	20.5	0.0
Channel				637668	641666	645666	Tune-up limit	MPR
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)	(dB)
30	QPSK	1	1	19.57	19.50	19.54	20.5	0.0
Channel				637334	641666	645998	Tune-up limit	MPR
Frequency (MHz)				3562.5	3624.99	3687.48	(dBm)	(dB)
25	QPSK	1	1	19.48	19.54	19.51	20.5	0.0
Channel				637000	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3560.01	3624.99	3690	(dBm)	(dB)
20	QPSK	1	1	19.50	19.61	19.54	20.5	0.0
Channel				637168	641666	646168	Tune-up limit	MPR
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)	(dB)
15	QPSK	1	1	19.55	19.51	19.53	20.5	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3694.98	(dBm)	(dB)
10	QPSK	1	1	19.59	19.53	19.47	20.5	0.0



### Reduced ENDC Power for State 4 FR1 n7\_Ant 4(NSA)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2925	2935	2945		
50	PI2 BPSK	1	1	7.93	7.94	7.93		
50	PI2 BPSK	1	135	7.91	7.95	7.89	9.0	0.0
50	PI2 BPSK	1	268	7.95	7.95	7.87		
50	PI2 BPSK	135	0	7.92	7.95	7.97	9.0	0.0
50	PI2 BPSK	135	68	7.96	7.87	7.96	9.0	0.0
50	PI2 BPSK	135	135	7.95	7.91	7.97		
50	PI2 BPSK	270	0	7.85	7.95	7.93	9.0	0.0
50	QPSK	1	1	8.03	8.10	8.05		
50	QPSK	1	135	7.90	7.89	7.89	9.0	0.0
50	QPSK	1	268	7.96	7.97	7.87		
50	QPSK	135	0	7.98	7.86	7.97	9.0	0.0
50	QPSK	135	68	8.00	8.08	7.97	9.0	0.0
50	QPSK	135	135	7.89	7.96	7.90		
50	QPSK	270	0	7.90	7.87	7.95	9.0	0.0
50	16QAM	1	1	7.92	7.91	7.98	9.0	0.0
50	64QAM	1	1	7.90	7.89	7.94	9.0	0.0
50	256QAM	1	1	7.95	7.98	7.92	9.0	0.0
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2920	2935	2950	(dBm)	(dB)
40	PI2 BPSK	1	1	7.88	7.90	7.89	9.0	0.0
Channel				503000	507000	510500	Tune-up limit	MPR
Frequency (MHz)				2917.5	2935	2952.5	(dBm)	(dB)
35	PI2 BPSK	1	1	7.92	7.97	7.93	9.0	0.0
Channel				502000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2915	2935	2955	(dBm)	(dB)
30	PI2 BPSK	1	1	7.95	7.85	7.87	9.0	0.0
Channel				505500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2912.5	2935	2952.5	(dBm)	(dB)
25	PI2 BPSK	1	1	7.97	7.87	7.91	9.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2910	2935	2960	(dBm)	(dB)
20	PI2 BPSK	1	1	7.95	7.93	7.93	9.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2907.5	2935	2962.5	(dBm)	(dB)
15	PI2 BPSK	1	1	7.92	7.85	7.89	9.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2905	2935	2965	(dBm)	(dB)
10	PI2 BPSK	1	1	7.85	7.92	7.90	9.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2902.5	2935	2967.5	(dBm)	(dB)
5	PI2 BPSK	1	1	7.85	7.89	7.91	9.0	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 27O (3700-3800MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			650000				
	Frequency (MHz)			3750				
100	Pi/2 BPSK	1	1	16.23			17.0	0.0
100	Pi/2 BPSK	1	137	16.31				
100	Pi/2 BPSK	1	271	16.26				
100	Pi/2 BPSK	135	0	16.24				
100	Pi/2 BPSK	135	89	16.28			17.0	0.0
100	Pi/2 BPSK	135	138	16.20			17.0	0.0
100	Pi/2 BPSK	270	0	16.28			17.0	0.0
100	QPSK	1	1	16.36			17.0	0.0
100	QPSK	1	137	16.31				
100	QPSK	1	271	16.34				
100	QPSK	135	0	16.27			17.0	0.0
100	QPSK	135	89	16.34			17.0	0.0
100	QPSK	135	138	16.28			17.0	0.0
100	QPSK	270	0	16.32			17.0	0.0
100	16QAM	1	1	16.28			17.0	0.0
100	64QAM	1	1	16.26			17.0	0.0
100	256QAM	1	1	16.27			17.0	0.0
	Channel			648668	650000	650332	Tune-up limit	MPR
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	16.17	16.23	16.25	17.0	0.0
	Channel			649334	650000	650666	Tune-up limit	MPR
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	16.20	16.24	16.15	17.0	0.0
	Channel			649000	650000	651000	Tune-up limit	MPR
	Frequency (MHz)			3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.18	16.25	16.19	17.0	0.0
	Channel			648668	650000	651332	Tune-up limit	MPR
	Frequency (MHz)			3740.02	3750	3749.98	(dBm)	(dB)
60	QPSK	1	1	16.18	16.28	16.22	17.0	0.0
	Channel			648334	650000	651666	Tune-up limit	MPR
	Frequency (MHz)			3720.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	16.24	16.26	16.24	17.0	0.0
	Channel			648000	650000	652000	Tune-up limit	MPR
	Frequency (MHz)			3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.21	16.24	16.22	17.0	0.0
	Channel			647668	650000	652332	Tune-up limit	MPR
	Frequency (MHz)			3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	16.24	16.27	16.18	17.0	0.0
	Channel			647500	650000	652500	Tune-up limit	MPR
	Frequency (MHz)			3710.01	3750	3789.99	(dBm)	(dB)
25	QPSK	1	1	16.22	16.24	16.18	17.0	0.0
	Channel			647334	650000	652666	Tune-up limit	MPR
	Frequency (MHz)			3707.52	3750	3792.48	(dBm)	(dB)
20	QPSK	1	1	16.27	16.25	16.24	17.0	0.0
	Channel			647168	650000	652832	Tune-up limit	MPR
	Frequency (MHz)			3702.52	3750	3797.48	(dBm)	(dB)
15	QPSK	1	1	16.19	16.30	16.23	17.0	0.0
	Channel			647000	650000	653000	Tune-up limit	MPR
	Frequency (MHz)			3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	16.23	16.20	16.19	17.0	0.0

**FR1 n78\_Ant 2(NSA)**  
**FCC Part 27Q (3450-3550MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			633332				
	Frequency (MHz)			3499.98				
100	Pi/2 BPSK	1	1	16.03			17.0	0.0
100	Pi/2 BPSK	1	137	16.07				
100	Pi/2 BPSK	1	271	16.03				
100	Pi/2 BPSK	135	0	16.12				
100	Pi/2 BPSK	135	89	16.08			17.0	0.0
100	Pi/2 BPSK	135	138	16.04			17.0	0.0
100	Pi/2 BPSK	270	0	16.02			17.0	0.0
100	QPSK	1	1	16.17			17.0	0.0
100	QPSK	1	137	16.06				
100	QPSK	1	271	16.05				
100	QPSK	135	0	16.08			17.0	0.0
100	QPSK	135	89	16.16			17.0	0.0
100	QPSK	135	138	16.03			17.0	0.0
100	QPSK	270	0	16.12			17.0	0.0
100	16QAM	1	1	16.10			17.0	0.0
100	64QAM	1	1	16.12			17.0	0.0
100	256QAM	1	1	16.11			17.0	0.0
	Channel			633000	633332	633668	Tune-up limit	MPR
	Frequency (MHz)			3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	16.02	16.06	16.01	17.0	0.0
	Channel			632668	633332	634000	Tune-up limit	MPR
	Frequency (MHz)			3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	16.50	16.12	16.97	17.0	0.0
	Channel			632334	633332	634332	Tune-up limit	MPR
	Frequency (MHz)			3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	16.07	16.08	16.05	17.0	0.0
	Channel			632000	633332	634666	Tune-up limit	MPR
	Frequency (MHz)			3489	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	16.05	16.08	16.04	17.0	0.0
	Channel			631668	633332	635000	Tune-up limit	MPR
	Frequency (MHz)			3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	16.10	16.07	16.96	17.0	0.0
	Channel			631334	633332	635332	Tune-up limit	MPR
	Frequency (MHz)			3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	16.10	16.09	16.06	17.0	0.0
	Channel			631000	633332	635666	Tune-up limit	MPR
	Frequency (MHz)			3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	16.07	16.09	16.06	17.0	0.0
	Channel			630884	633332	635992	Tune-up limit	MPR
	Frequency (MHz)			3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	16.08	16.01	16.05	17.0	0.0
	Channel			630668	633332	636000	Tune-up limit	MPR
	Frequency (MHz)			3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	16.08	16.10	16.00	17.0	0.0
	Channel			630500	633332	636166	Tune-up limit	MPR
	Frequency (MHz)			3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	16.00	16.00	16.04	17.0	0.0
	Channel			630334	633332	636332	Tune-up limit	MPR
	Frequency (MHz)			3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	16.09	16.09	16.06	17.0	0.0



**FR1 n78\_Ant 2(NSA)**  
**FCC Part 96 (3550-3700MHz)**

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3500	3524.99	3549.98		
100	Pl2 BPSK	1	1	15.99	16.07	16.04	17.0	0.0
100	Pl2 BPSK	1	137	15.99	15.99	16.00		
100	Pl2 BPSK	1	271	16.02	15.99	15.94		
100	Pl2 BPSK	135	0	15.95	15.98	16.00	17.0	0.0
100	Pl2 BPSK	135	69	15.02	16.08	15.99	17.0	0.0
100	Pl2 BPSK	135	138	15.95	15.98	15.98	17.0	0.0
100	Pl2 BPSK	270	0	15.95	16.07	16.00		
100	QPSK	1	1	16.11	16.13	16.10	17.0	0.0
100	QPSK	1	137	15.98	16.02	15.99		
100	QPSK	1	271	15.97	15.98	15.99		
100	QPSK	135	0	16.01	15.99	16.05	17.0	0.0
100	QPSK	135	69	16.08	16.10	16.07	17.0	0.0
100	QPSK	135	138	15.97	16.08	16.01	17.0	0.0
100	QPSK	270	0	16.06	16.08	16.05		
100	16QAM	1	1	15.97	16.00	15.98	17.0	0.0
100	64QAM	1	1	15.95	15.98	16.05	17.0	0.0
100	256QAM	1	1	15.97	15.98	16.01	17.0	0.0
Channel				639668	641666	643666	Tune-up limit	MPR
Frequency (MHz)				3505.02	3524.99	3524.99	(dBm)	(dB)
90	QPSK	1	1	15.99	16.09	16.02	17.0	0.0
Channel				638334	641666	644000	Tune-up limit	MPR
Frequency (MHz)				3590.01	3624.99	3660	(dBm)	(dB)
80	QPSK	1	1	16.02	16.02	15.99	17.0	0.0
Channel				639000	641666	643332	Tune-up limit	MPR
Frequency (MHz)				3585	3624.99	3664.98	(dBm)	(dB)
70	QPSK	1	1	15.99	15.98	15.94	17.0	0.0
Channel				638668	641666	644666	Tune-up limit	MPR
Frequency (MHz)				3580.02	3624.99	3669.98	(dBm)	(dB)
60	QPSK	1	1	16.03	15.99	16.03	17.0	0.0
Channel				638334	641666	645000	Tune-up limit	MPR
Frequency (MHz)				3575.01	3624.99	3670	(dBm)	(dB)
50	QPSK	1	1	16.04	15.98	15.95	17.0	0.0
Channel				638000	641666	645332	Tune-up limit	MPR
Frequency (MHz)				3570	3624.99	3678.98	(dBm)	(dB)
40	QPSK	1	1	15.04	16.04	15.95	17.0	0.0
Channel				637668	641666	645666	Tune-up limit	MPR
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)	(dB)
30	QPSK	1	1	15.96	15.97	16.01	17.0	0.0
Channel				637000	641666	645332	Tune-up limit	MPR
Frequency (MHz)				3525	3624.99	3677.45	(dBm)	(dB)
25	QPSK	1	1	16.00	15.99	16.04	17.0	0.0
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3560.01	3624.99	3680	(dBm)	(dB)
20	QPSK	1	1	15.97	15.97	15.95	17.0	0.0
Channel				637168	641666	646166	Tune-up limit	MPR
Frequency (MHz)				3527.52	3624.99	3622.49	(dBm)	(dB)
15	QPSK	1	1	15.99	16.03	16.00	17.0	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3684.98	(dBm)	(dB)
10	QPSK	1	1	16.01	16.00	15.99	17.0	0.0





<Bluetooth FCC>			Art 7		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.30	5.70	5.50
	CH 39	2441	8.80	6.30	6.10
	CH 76	2480	8.90	6.50	6.20
Tune-up Limit			9.5	9	9

			Art 7	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	0.00	-0.10
	CH 19	2440	1.00	1.00
	CH 39	2480	0.70	0.70
Tune-up Limit			2	2