

Default Power for WWAN Main PA

	GSM850 Ant0 Default			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	Burst Average Power (dBm)	128	180	251	128	180	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	32.93	33.09	33.05	34.00	23.93	24.09	24.05	25.00
GPRS 1 Tx slot	32.97	33.13	33.07	34.00	23.97	24.13	24.07	25.00
GPRS 2 Tx slots	30.09	30.12	30.04	31.00	24.09	24.12	24.04	25.00
GPRS 3 Tx slots	28.23	28.34	28.19	29.20	23.97	24.08	23.93	24.94
GPRS 4 Tx slots	26.81	26.95	26.88	28.00	23.91	23.95	23.88	25.00
EDGE 1 Tx slot	27.01	27.13	27.08	28.00	18.01	18.13	18.08	19.00
EDGE 2 Tx slots	24.17	24.25	24.10	25.00	18.17	18.25	18.10	19.00
EDGE 3 Tx slots	22.31	22.41	22.28	23.20	18.05	18.15	18.02	18.94
EDGE 4 Tx slots	21.12	21.17	21.04	22.00	18.12	18.17	18.04	19.00

	WCDMA V Ant0 Default			Tune-up Limit (dBm)
	Band	4192	4182	4233
TX Channel		4357	4407	4458
Rx Channel				
Frequency (MHz)		824.4	832.4	848.5
3GPP Rel 99	AMR 12.2kbps	23.98	24.11	24.08
3GPP Rel 99	AMR 12.2kbps	24.04	24.16	24.13
3GPP Rel 6	HSDPA Subtest-1	23.15	23.15	23.11
3GPP Rel 6	HSDPA Subtest-2	23.09	23.15	23.07
3GPP Rel 6	HSDPA Subtest-3	22.54	22.60	22.81
3GPP Rel 6	HSDPA Subtest-4	22.56	22.63	22.57
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.14	23.10
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.14	23.06
3GPP Rel 8	DC-HSDPA Subtest-3	22.45	22.60	22.53
3GPP Rel 8	DC-HSDPA Subtest-4	22.43	22.56	22.50
3GPP Rel 6	HSUPA Subtest-1	22.98	23.03	23.05
3GPP Rel 6	HSUPA Subtest-2	21.08	21.21	21.06
3GPP Rel 6	HSUPA Subtest-3	22.09	22.26	22.21
3GPP Rel 6	HSUPA Subtest-4	21.06	21.11	21.03
3GPP Rel 6	HSUPA Subtest-5	23.02	23.11	23.05
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	20.57	20.76	20.64

Band 5 Main PA Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20620				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.45	24.56	24.50	25.5	0		
10	QPSK	1	25	24.40	24.48	24.43				
10	QPSK	1	49	24.35	24.52	24.54				
10	QPSK	25	0	23.49	23.50	23.54				
10	QPSK	25	12	23.43	23.47	23.50				
10	QPSK	25	25	23.34	23.50	23.40	24.5	1		
10	QPSK	50	0	23.43	23.54	23.47				
10	16QAM	1	0	23.79	23.84	23.79				
10	16QAM	1	49	23.68	23.73	23.65				
10	16QAM	25	0	22.39	22.52	22.41				
10	16QAM	25	12	22.37	22.46	22.33	23.5	2		
10	16QAM	25	25	22.36	22.44	22.34				
10	16QAM	50	0	22.20	22.46	22.21				
10	64QAM	1	0	22.59	22.66	22.58				
10	64QAM	1	25	22.49	22.69	22.54				
10	64QAM	1	49	22.51	22.67	22.44	22.5	3		
10	64QAM	25	0	21.38	21.46	21.39				
10	64QAM	25	12	21.32	21.48	21.28				
10	64QAM	25	25	21.28	21.43	21.28				
10	64QAM	50	0	21.23	21.51	21.28				
Channel				20425	20525	20620	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.32	24.52	24.41	25.5	0		
5	QPSK	1	12	24.31	24.43	24.40				
5	QPSK	1	24	24.29	24.40	24.22				
5	QPSK	12	0	23.37	23.51	23.45				
5	QPSK	12	7	23.39	23.36	23.38				
5	QPSK	12	13	23.20	23.37	23.26	24.5	1		
5	QPSK	25	0	23.36	23.48	23.38				
5	16QAM	1	0	23.76	23.79	23.72				
5	16QAM	1	12	23.69	23.60	23.54				
5	16QAM	1	24	23.58	23.67	23.64				
5	16QAM	12	0	22.29	22.44	22.32	23.5	2		
5	16QAM	12	7	22.27	22.39	22.27				
5	16QAM	12	13	22.33	22.31	22.24				
5	16QAM	25	0	22.27	22.36	22.20				
5	64QAM	1	0	22.49	22.61	22.53				
5	64QAM	1	12	22.46	22.61	22.42	23.5	2		
5	64QAM	1	24	22.44	22.62	22.36				
5	64QAM	12	0	21.33	21.34	21.33				
5	64QAM	12	7	21.26	21.41	21.20				
5	64QAM	15	0	21.19	21.39	21.36				
5	64QAM	25	0	21.14	21.48	21.14	22.5	3		
Channel				20415	20525	20630	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.31	24.50	24.47	25.5	0		
3	QPSK	1	8	24.35	24.43	24.29				
3	QPSK	1	14	24.22	24.45	24.29				
3	QPSK	8	0	23.37	23.51	23.41				
3	QPSK	8	4	23.35	23.38	23.41				
3	QPSK	8	7	23.26	23.47	23.26	24.5	1		
3	QPSK	15	0	23.39	23.44	23.40				
3	16QAM	1	0	23.70	23.71	23.68				
3	16QAM	1	8	23.58	23.66	23.54				
3	16QAM	1	14	23.62	23.58	23.65				
3	16QAM	8	0	22.26	22.42	22.37	23.5	2		
3	16QAM	8	4	22.32	22.42	22.20				
3	16QAM	8	7	22.22	22.36	22.24				
3	16QAM	15	0	22.17	22.34	22.17				
3	64QAM	1	0	22.56	22.51	22.53				
3	64QAM	1	8	22.44	22.54	22.40	23.5	2		
3	64QAM	1	14	22.44	22.56	22.40				
3	64QAM	8	0	21.25	21.41	21.36				
3	64QAM	8	4	21.24	21.35	21.15				
3	64QAM	8	7	21.17	21.27	21.27				
3	64QAM	15	0	21.08	21.38	21.17	22.5	3		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.34	24.47	24.43	25.5	0		
1.4	QPSK	1	3	24.30	24.41	24.37				
1.4	QPSK	1	5	24.31	24.48	24.26				
1.4	QPSK	3	0	24.39	24.47	24.37				
1.4	QPSK	3	1	24.36	24.41	24.36				
1.4	QPSK	3	3	24.20	24.45	24.23	24.5	1		
1.4	QPSK	6	0	23.42	23.50	23.41				
1.4	16QAM	1	0	23.39	23.39	23.35				
1.4	16QAM	1	3	23.21	23.40	23.36				
1.4	16QAM	1	5	23.39	23.39	23.32				
1.4	16QAM	3	0	23.72	23.76	23.70	24.5	1		
1.4	16QAM	3	1	23.66	23.57	23.54				
1.4	16QAM	3	3	23.62	23.67	23.63				
1.4	16QAM	6	0	22.24	22.46	22.36				
1.4	64QAM	1	0	22.29	22.36	22.26				
1.4	64QAM	1	3	22.29	22.36	22.28	23.5	2		
1.4	64QAM	1	5	22.26	22.38	22.23				
1.4	64QAM	3	0	22.46	22.60	22.44				
1.4	64QAM	3	1	22.41	22.61	22.45				
1.4	64QAM	3	3	22.39	22.60	22.34				
1.4	64QAM	6	0	21.26	21.34	21.29	22.5	3		

Band 13 Main PA Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23200	23250	23300				
Frequency (MHz)				782	782	782				
10	QPSK	1	0	24.64	24.56	24.50	25.5	0		
10	QPSK	1	25	24.59	24.59	24.50				
10	QPSK	1	49	24.52	24.52	24.50				
10	QPSK	25	0	23.74	23.67	23.79				
10	QPSK	25	12	23.91	23.91	23.80				
10	QPSK	25	25	23.77	23.77	23.80	24.5	1		
10	QPSK	50	0	23.70	23.70	23.80				
10	16QAM	1	0	23.86	23.86	23.80				
10	16QAM	1	25	23.81	23.81	23.80				
10	16QAM	1	49	23.78	23.78	23.80				
10	16QAM	25	0	22.77	22.77	22.80	23.5	2		
10	16QAM	25	12	22.92	22.92	22.80				
10	16QAM	25	25	22.71	22.71	22.80				
10	16QAM	50	0	22.88	22.88	22.80				
10	64QAM	1	0	23.09	23.09	23.00				
10	64QAM	1	25	22.99	22.99	22.80	22.5	3		
10	64QAM	1	49	22.94	22.94	22.80				
10	64QAM	25	0	21.60	21.60	21.60				
10	64QAM	25	12	21.89	21.89	21.80				
10	64QAM	25	25	21.61	21.61	21.60				
10	64QAM	50	0	21.80	21.80	21.80				
Channel				23205	23250	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				779.5	782	784.5				
5	QPSK	1	0	24.51	24.59	24.54	25.5	0		
5	QPSK	1	12	24.31	24.45	24.40				
5	QPSK	1	24	24.26	24.38	24.33				
5	QPSK	12	0	23.74	23.87	23.79				
5	QPSK	12	7	23.69	23.87	23.70				
5	QPSK	12	13	23.56	23.68	23.64	24.5	1		
5	QPSK	25	0	23.65	23.76	23.73				
5	16QAM	1	0	23.70	23.82	23.69				
5	16QAM	1	12	23.64	23.72	23.60				
5	16QAM	1	24	23.58	23.72	23.63				
5	16QAM	12	0	22.58	22.71	22.82	23.5	2		
5	16QAM	12	7	22.73	22.82	22.76				
5	16QAM	12	13	22.54	22.61	22.58				
5	16QAM	25	0	22.70	22.82	22.76				
5	84QAM	1	0	23.00	23.04	22.93				
5	84QAM	1	12	22.82	22.92	22.82	23.5	2		
5	84QAM	1	24	22.72	22.86	22.77				
5	84QAM	12	0	21.42	21.47	21.34				
5	84QAM	12	7	21.89	21.84	21.82				
5	84QAM	12	13	21.45	21.54	21.43				
5	84QAM	25	0	21.70	21.74	21.83	22.5	3		

GSM850 Ant1 Default								
GSM850			Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel			126	189	251	Tune-up		
Frequency (MHz)			Limit	Limit	Limit	Limit		
GSM 1 Tx slot			124.2	150.4	241.1	124.2		
GPRS 1 Tx slot			32.02	32.11	32.02	33.50		
GPRS 1 Tx slot			32.05	32.16	32.08	33.50		
GPRS 2 Tx slots			29.21	29.24	29.17	30.50		
GPRS 3 Tx slots			27.40	27.44	27.34	28.50		
GPRS 4 Tx slots			25.97	26.07	26.00	27.50		
EDGE 1 Tx slot			26.21	26.25	26.11	27.50		
EDGE 2 Tx slots			23.24	23.29	23.16	24.50		
EDGE 3 Tx slots			21.40	21.53	21.46	22.70		
EDGE 4 Tx slots			20.15	20.28	20.24	21.50		

GSM1900 Ant1 Default								
GSM1900			Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel			512	661	810	Tune-up		
Frequency (MHz)			Limit	Limit	Limit	Limit		
GSM 1 Tx slot			1650.2	1660	1909.6	1650.2		
GPRS 1 Tx slot			28.13	28.19	28.15	30.00		
GPRS 1 Tx slot			28.15	28.24	28.22	30.00		
GPRS 2 Tx slots			25.27	25.31	25.25	27.00		
GPRS 3 Tx slots			23.88	23.96	23.87	25.20		
GPRS 4 Tx slots			22.35	22.47	22.37	24.00		
EDGE 1 Tx slot			24.79	24.69	24.62	26.00		
EDGE 2 Tx slots			21.97	22.07	21.93	23.00		
EDGE 3 Tx slots			19.90	20.03	19.89	21.20		
EDGE 4 Tx slots			19.20	19.28	19.21	20.00		

WCDMA II Ant1 Default								
Band			WCDMA II			WCDMA IV		
TX Channel			9262	9400	9536	Tune-up		
Frequency (MHz)			Limit	Limit	Limit	Limit		
3GPP Rel 99			1852.4	1860	1920.6	1852.4		
3GPP Rel 99			22.02	22.09	22.01	24.00		
3GPP Rel 99			22.05	22.12	22.03	24.00		
3GPP Rel 6			21.06	21.14	21.06	23.00		
3GPP Rel 6			21.01	21.11	21.03	23.00		
3GPP Rel 6			20.58	20.60	20.60	22.50		
3GPP Rel 6			20.53	20.59	20.57	22.50		
3GPP Rel 6			21.03	21.05	21.03	23.00		
3GPP Rel 6			21.03	21.02	21.03	23.00		
3GPP Rel 6			20.52	20.55	20.58	22.50		
3GPP Rel 6			20.56	20.69	20.59	22.50		
3GPP Rel 6			21.12	21.03	21.01	23.00		
3GPP Rel 6			19.07	19.06	19.08	21.00		
3GPP Rel 6			20.11	20.14	20.16	22.00		
3GPP Rel 6			19.02	19.00	19.03	21.00		
3GPP Rel 6			21.01	21.01	21.07	23.00		
3GPP Rel 7			18.63	18.75	18.58	20.50		

WCDMA V Ant1 Default								
Band			WCDMA V			Tune-up		
TX Channel			4132	4162	4253	Limit		
Frequency (MHz)			Limit	Limit	Limit	Limit		
3GPP Rel 99			4367	4407	4458	23.22		
3GPP Rel 99			23.22	23.32	23.29	25.00		
3GPP Rel 6			22.05	22.12	22.03	24.00		
3GPP Rel 6			21.06	21.14	21.06	23.00		
3GPP Rel 6			21.01	21.11	21.03	23.00		
3GPP Rel 6			20.58	20.60	20.60	22.50		
3GPP Rel 6			20.53	20.59	20.57	22.50		
3GPP Rel 6			21.03	21.05	21.03	23.00		
3GPP Rel 6			21.03	21.02	21.03	23.00		
3GPP Rel 6			20.52	20.55	20.58	22.50		
3GPP Rel 6			20.56	20.69	20.59	22.50		
3GPP Rel 6			21.12	21.03	21.01	23.00		
3GPP Rel 6			19.07	19.06	19.08	21.00		
3GPP Rel 6			20.11	20.14	20.16	22.00		
3GPP Rel 6			19.02	19.00	19.03	21.00		
3GPP Rel 6			21.01	21.01	21.07	23.00		
3GPP Rel 7			18.63	18.75	18.58	20.50		

Band 5 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20620	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.68	23.75	23.69	25.5	0	
10	QPSK	1	25	23.62	23.67	23.56			
10	QPSK	1	49	23.59	23.62	23.55			
10	QPSK	25	0	22.92	22.70	22.56			
10	QPSK	25	12	22.56	22.64	22.53			
10	QPSK	25	25	22.54	22.59	22.50	24.5	1	
10	QPSK	50	0	22.58	22.64	22.56			
10	16QAM	1	0	23.14	23.28	23.14			
10	16QAM	1	25	23.15	23.22	23.10			
10	16QAM	1	49	23.10	23.18	23.04			
10	16QAM	25	0	21.83	21.69	21.63	23.5	2	
10	16QAM	25	12	21.55	21.61	21.60			
10	16QAM	25	25	21.52	21.65	21.58			
10	16QAM	50	0	21.54	21.58	21.57			
10	64QAM	1	0	21.73	21.80	21.74			
10	64QAM	1	25	21.70	21.74	21.61	23.5	2	
10	64QAM	1	49	21.57	21.70	21.55			
10	64QAM	25	0	20.88	20.72	20.60			
10	64QAM	25	12	20.62	20.63	20.57			
10	64QAM	25	25	20.58	20.62	20.55			
10	64QAM	50	0	20.57	20.60	20.55	22.5	3	
Channel				20425	20525	20620			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.64	23.71	23.62	25.5	0	
5	QPSK	1	12	23.57	23.54	23.52			
5	QPSK	1	24	23.55	23.53	23.51			
5	QPSK	12	0	22.92	22.69	22.51			
5	QPSK	12	7	22.60	22.63	22.50			
5	QPSK	12	13	22.53	22.63	22.53	24.5	1	
5	QPSK	25	0	22.56	22.60	22.54			
5	16QAM	1	0	23.01	23.20	23.07			
5	16QAM	1	12	23.04	23.14	23.06			
5	16QAM	1	24	22.98	23.05	22.92			
5	16QAM	12	0	21.88	21.67	21.62	23.5	2	
5	16QAM	12	7	21.61	21.56	21.66			
5	16QAM	12	13	21.54	21.69	21.60			
5	16QAM	25	0	21.57	21.63	21.54			
5	64QAM	1	0	21.67	21.70	21.62			
5	64QAM	1	12	21.67	21.72	21.59	23.5	2	
5	64QAM	1	24	21.60	21.72	21.58			
5	64QAM	12	0	20.59	20.59	20.56			
5	64QAM	12	7	20.64	20.60	20.63			
5	64QAM	12	13	20.66	20.66	20.58			
5	64QAM	25	0	20.57	20.63	20.53	22.5	3	
Channel				20415	20525	20630			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.61	23.70	23.66	25.5	0	
3	QPSK	1	8	23.54	23.60	23.57			
3	QPSK	1	14	23.56	23.56	23.55			
3	QPSK	8	0	22.57	22.60	22.53			
3	QPSK	8	4	22.63	22.71	22.55			
3	QPSK	8	7	22.56	22.61	22.58	24.5	1	
3	QPSK	15	0	22.61	22.69	22.53			
3	16QAM	1	0	23.11	23.19	23.11			
3	16QAM	1	8	23.04	23.08	22.96			
3	16QAM	1	14	23.06	23.14	23.00			
3	16QAM	8	0	21.52	21.62	21.57	23.5	2	
3	16QAM	8	4	21.50	21.55	21.57			
3	16QAM	8	7	21.54	21.72	21.55			
3	16QAM	15	0	21.56	21.62	21.55			
3	64QAM	1	0	21.62	21.70	21.69			
3	64QAM	1	8	21.67	21.67	21.52	23.5	2	
3	64QAM	1	14	21.50	21.60	21.59			
3	64QAM	8	0	20.59	20.62	20.51			
3	64QAM	8	4	20.51	20.60	20.51			
3	64QAM	8	7	20.59	20.66	20.59			
3	64QAM	15	0	20.63	20.59	20.59	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.55	23.66	23.64	25.5	0	
1.4	QPSK	1	3	23.57	23.61	23.53			
1.4	QPSK	1	5	23.59	23.55	23.55			
1.4	QPSK	3	0	23.55	23.60	23.60			
1.4	QPSK	3	1	23.51	23.52	23.55			
1.4	QPSK	3	3	23.52	23.57	23.59	24.5	1	
1.4	QPSK	6	0	22.54	22.66	22.56			
1.4	16QAM	1	0	22.58	22.61	22.59			
1.4	16QAM	1	3	22.54	22.65	22.52			
1.4	16QAM	1	5	22.52	22.60	22.57			
1.4	16QAM	3	0	23.08	23.16	23.00	24.5	1	
1.4	16QAM	3	1	23.08	23.08	23.05			
1.4	16QAM	3	3	23.04	23.09	22.90			
1.4	16QAM	6	0	21.58	21.66	21.62			
1.4	64QAM	1	0	21.59	21.51	21.54			
1.4	64QAM	1	3	21.51	21.58	21.52	23.5	2	
1.4	64QAM	1	5	21.56	21.65	21.60			
1.4	64QAM	3	0	21.64	21.72	21.63			
1.4	64QAM	3	1	21.58	21.70	21.64			
1.4	64QAM	3	3	21.51	21.62	21.50			
1.4	64QAM	6	0	20.61	20.64	20.50	22.5	3	

Band 13 Main PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23205	782				
Frequency (MHz)									
10	QPSK	1	0		23.98		25.5	0	
10	QPSK	1	25		23.90				
10	QPSK	1	49		23.85				
10	QPSK	25	0		22.90				
10	QPSK	25	12		22.84				
10	QPSK	25	25		22.79		24.5	1	
10	QPSK	50	0		22.87				
10	16QAM	1	0		22.85				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.75				
10	16QAM	25	0		21.89		23.5	2	
10	16QAM	25	12		21.81				
10	16QAM	25	25		21.85				
10	16QAM	50	0		21.79				
10	84QAM	1	0		22.07				
10	84QAM	1	25		22.01		23.5	2	
10	84QAM	1	49		21.97				
10	84QAM	25	0		20.87				
10	84QAM	25	12		20.78				
10	84QAM	25	25		20.83				
10	84QAM	50	0		20.75		22.5	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.84	23.90	23.88	25.5	0	
5	QPSK	1	12	23.87	23.67	23.80			
5	QPSK	1	24	23.78	23.80	23.77			
5	QPSK	12	0	22.87	22.78	22.85			
5	QPSK	12	7	22.72	22.73	22.73			
5	QPSK	12	13	22.73	22.72	22.66	24.5	1	
5	QPSK	25	0	22.84	22.73	22.78			
5	16QAM	1	0	22.74	22.71	22.78			
5	16QAM	1	12	22.85	22.71	22.72			
5	16QAM	1	24	22.84	22.65	22.71			
5	16QAM	12	0	21.78	21.84	21.76	23.5	2	
5	16QAM	12	7	21.69	21.68	21.74			
5	16QAM	12	13	21.73	21.70	21.73			
5	16QAM	25	0	21.72	21.7		23.5	2	
5	84QAM	1	0	21.95	21.95	21.96			
5	84QAM	1	12	21.89	21.90	21.94			
5	84QAM	1	24	21.94	21.82	21.83			
5	84QAM	12	0	20.74	20.74	20.78			
5	84QAM	12	7	20.67	20.63	20.65	22.5	3	
5	84QAM	12	13	20.76	20.73	20.70			
5	84QAM	25	0	20.66	20.64	20.80			

Band 41 Main PA Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.64	23.78	23.81	23.70	23.69	24.5	0		
20	QPSK	1	49	23.63	23.73	23.75	23.69	23.62				
20	QPSK	1	99	23.53	23.60	23.70	23.67	23.51				
20	QPSK	50	0	22.90	22.94	23.04	22.92	22.84				
20	QPSK	50	24	22.82	22.84	22.98	22.86	22.85	23.5	1		
20	QPSK	50	50	22.81	22.91	22.99	22.88	22.81				
20	QPSK	100	0	22.75	22.77	22.93	22.85	22.80				
20	16QAM	1	0	22.91	22.90	23.05	22.99	22.88				
20	16QAM	1	49	22.94	22.93	23.05	22.98	22.73	23.5	1		
20	16QAM	1	99	22.94	22.95	23.05	22.99	22.92				
20	16QAM	50	0	21.88	21.94	22.01	21.89	21.93				
20	16QAM	50	24	21.81	21.82	21.95	21.84	21.84				
20	16QAM	50	50	21.88	21.84	22.05	21.85	21.94	22.5	2		
20	16QAM	100	0	21.88	21.87	21.98	21.81	21.86				
20	64QAM	1	0	21.50	21.64	21.61	21.59	21.52				
20	64QAM	1	49	21.48	21.57	21.62	21.50	21.46				
20	64QAM	1	99	21.47	21.42	21.57	21.49	21.38	22.5	2		
20	64QAM	50	0	20.91	20.86	21.02	20.98	20.93				
20	64QAM	50	24	20.78	20.81	20.89	20.81	20.80				
20	64QAM	50	50	20.78	20.86	20.87	20.85	20.73				
20	64QAM	100	0	20.71	20.68	20.81	20.67	20.72	21.5	3		
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.58	23.68	23.77	23.64	23.55			25	0
15	QPSK	1	37	23.51	23.63	23.61	23.63	23.54				
15	QPSK	1	74	23.45	23.50	23.62	23.55	23.48				
15	QPSK	36	0	22.81	22.73	22.94	22.88	22.75				
15	QPSK	36	20	22.76	22.74	22.85	22.81	22.74	23.5	1		
15	QPSK	36	39	22.78	22.88	22.88	22.85	22.68				
15	QPSK	75	0	22.71	22.69	22.82	22.73	22.67				
15	16QAM	1	0	22.81	22.75	22.95	22.85	22.80				
15	16QAM	1	37	22.71	22.79	22.87	22.74	22.73	23.5	1		
15	16QAM	1	74	22.88	22.83	22.98	22.91	22.82				
15	16QAM	36	0	21.75	21.80	21.96	21.82	21.79				
15	16QAM	36	20	21.78	21.78	21.83	21.73	21.76				
15	16QAM	36	39	21.76	21.72	21.97	21.81	21.83	22.5	2		
15	16QAM	75	0	21.74	21.82	21.87	21.68	21.83				
15	64QAM	1	0	21.36	21.60	21.55	21.52	21.49				
15	64QAM	1	37	21.42	21.51	21.58	21.37	21.40				
15	64QAM	1	74	21.33	21.30	21.45	21.36	21.27	22.5	2		
15	64QAM	36	0	20.86	20.82	20.94	20.82	20.82				
15	64QAM	36	20	20.67	20.69	20.80	20.66	20.67				
15	64QAM	36	39	20.68	20.76	20.76	20.76	20.58				
15	64QAM	75	0	20.66	20.55	20.69	20.62	20.67	21.5	3		
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.58	23.73	23.75	23.60	23.63			25	0
10	QPSK	1	25	23.57	23.61	23.61	23.61	23.58				
10	QPSK	1	49	23.40	23.49	23.59	23.60	23.36				
10	QPSK	25	0	22.86	22.71	22.97	22.78	22.70				
10	QPSK	25	12	22.79	22.75	22.94	22.78	22.76	23.5	1		
10	QPSK	25	25	22.70	22.83	22.94	22.84	22.75				
10	QPSK	50	0	22.64	22.69	22.79	22.73	22.65				
10	16QAM	1	0	22.85	22.85	22.96	22.89	22.79				
10	16QAM	1	25	22.77	22.73	22.81	22.75	22.72	23.5	1		
10	16QAM	1	49	22.83	22.81	22.94	22.87	22.84				
10	16QAM	25	0	21.79	21.80	21.86	21.81	21.79				
10	16QAM	25	12	21.69	21.75	21.87	21.78	21.75				
10	16QAM	25	25	21.75	21.79	21.91	21.82	21.87	22.5	2		
10	16QAM	50	0	21.77	21.79	21.88	21.78	21.74				
10	64QAM	1	0	21.40	21.57	21.47	21.49	21.46				
10	64QAM	1	25	21.40	21.49	21.55	21.45	21.40				
10	64QAM	1	49	21.44	21.33	21.54	21.44	21.29	22.5	2		
10	64QAM	25	0	20.81	20.81	20.95	20.94	20.90				
10	64QAM	25	12	20.70	20.77	20.76	20.76	20.66				
10	64QAM	25	25	20.69	20.79	20.80	20.73	20.82				
10	64QAM	50	0	20.67	20.65	20.68	20.61	20.59	21.5	3		
Channel				39675	40148	40620	41093	41555			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2544.8	2593	2640.0	2687.5				
5	QPSK	1	0	23.53	23.63	23.69	23.56	23.55			25	0
5	QPSK	1	12	23.60	23.63	23.61	23.63	23.55				
5	QPSK	1	24	23.43	23.46	23.62	23.53	23.43				
5	QPSK	12	0	22.85	22.71	22.97	22.77	22.80				
5	QPSK	12	7	22.70	22.73	22.91	22.79	22.81	23.5	1		
5	QPSK	12	13	22.75	22.79	22.86	22.79	22.69				
5	QPSK	25	0	22.64	22.69	22.78	22.81	22.67				
5	16QAM	1	0	22.79	22.83	22.92	22.85	22.76				
5	16QAM	1	12	22.73	22.80	22.89	22.81	22.65	23.5	1		
5	16QAM	1	24	22.80	22.88	23.01	22.85	22.80				
5	16QAM	12	0	21.75	21.80	21.87	21.76	21.81				
5	16QAM	12	7	21.73	21.74	21.91	21.79	21.81				
5	16QAM	12	13	21.77	21.69	21.91	21.75	21.91	22.5	2		
5	16QAM	25	0	21.81	21.79	21.84	21.74	21.78				
5	64QAM	1	0	21.39	21.61	21.48	21.47	21.39				
5	64QAM	1	12	21.36	21.43	21.57	21.47	21.41				
5	64QAM	1	24	21.36	21.34	21.54	21.39	21.27	21.5	3		
5	64QAM	12	0	20.77	20.72	20.90	20.91	20.83				
5	64QAM	12	7	20.65	20.69	20.80	20.72	20.76				
5	64QAM	12	13	20.65	20.74	20.72	20.82	20.59				
5	64QAM	25	0	20.67	20.56	20.74	20.61	20.61	Tune-up limit (dBm)	MPR (dB)		

Band 42 FCC Part27Q Main PA Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	3460	3500	3540	25	0		
20	QPSK	1	49	23.36	23.41	23.30				
20	QPSK	1	99	23.35	23.38	23.29				
20	QPSK	50	0	22.30	22.41	22.31				
20	QPSK	50	24	22.26	22.35	22.30	24	1		
20	QPSK	50	50	22.24	22.32	22.20				
20	QPSK	100	0	22.30	22.36	22.31				
20	16QAM	1	0	22.27	22.31	22.27	24	1		
20	16QAM	1	49	22.18	22.28	22.18				
20	16QAM	1	99	22.13	22.24	22.20				
20	16QAM	50	0	21.28	21.37	21.26	23	2		
20	16QAM	50	24	21.22	21.28	21.21				
20	16QAM	50	50	21.22	21.28	21.23				
20	16QAM	100	0	21.25	21.30	21.18				
20	64QAM	1	0	21.14	21.22	21.18	23	2		
20	64QAM	1	49	21.08	21.16	21.11				
20	64QAM	1	99	21.10	21.15	21.10				
20	64QAM	50	0	20.26	20.37	20.22	22	3		
20	64QAM	50	24	20.16	20.27	20.24				
20	64QAM	50	50	20.27	20.31	20.16				
20	64QAM	100	0	20.17	20.23	20.10				
Channel										
Frequency (MHz)										
15	QPSK	1	0	42190	42590	42990	25	0		
15	QPSK	1	49	3457.5	3500	3542.5				
15	QPSK	1	97	23.31	23.35	23.28				
15	QPSK	1	74	23.28	23.25	23.18				
15	QPSK	36	0	22.17	22.29	22.26	24	1		
15	QPSK	36	20	22.11	22.22	22.23				
15	QPSK	36	39	22.10	22.28	22.16				
15	QPSK	75	0	22.22	22.32	22.23	24	1		
15	16QAM	1	0	22.23	22.20	22.07				
15	16QAM	1	37	22.14	22.23	22.11				
15	16QAM	1	74	22.00	22.10	22.13				
15	16QAM	36	0	21.17	21.33	21.23	23	2		
15	16QAM	36	25	21.16	21.21	21.16				
15	16QAM	36	39	21.08	21.19	21.15				
15	16QAM	75	0	21.21	21.18	21.12				
15	64QAM	1	0	21.05	21.11	21.10	23	2		
15	64QAM	1	37	21.10	21.13	21.07				
15	64QAM	1	74	21.04	21.16	21.13				
15	64QAM	36	0	20.15	20.30	20.15				
15	64QAM	36	20	20.05	20.15	20.09	22	3		
15	64QAM	36	39	20.17	20.18	20.11				
15	64QAM	75	0	20.13	20.15	20.04				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.30	23.40	23.31	25	0		
10	QPSK	1	25	23.26	23.33	23.21				
10	QPSK	1	49	23.25	23.28	23.22				
10	QPSK	25	0	22.15	22.29	22.17				
10	QPSK	25	12	22.11	22.27	22.28	24	1		
10	QPSK	25	25	22.17	22.24	22.10				
10	QPSK	50	0	22.22	22.21	22.05				
10	16QAM	1	0	22.15	22.22	22.05	24	1		
10	16QAM	1	25	22.06	22.16	22.06				
10	16QAM	1	49	22.08	22.18	22.02				
10	16QAM	25	0	21.16	21.30	21.12				
10	16QAM	25	12	21.12	21.17	21.14	23	2		
10	16QAM	25	25	21.17	21.23	21.19				
10	16QAM	50	0	21.18	21.25	21.07				
10	64QAM	1	0	21.04	21.11	21.10	23	2		
10	64QAM	1	25	21.09	21.14	21.03				
10	64QAM	1	49	21.02	21.11	21.02				
10	64QAM	25	0	20.16	20.28	20.13				
10	64QAM	25	12	20.02	20.19	20.11	22	3		
10	64QAM	25	25	20.12	20.23	20.07				
10	64QAM	50	0	20.03	20.17	20.06				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.37	23.38	23.32	25	0		
5	QPSK	1	12	23.29	23.33	23.24				
5	QPSK	1	24	23.27	23.30	23.15				
5	QPSK	12	0	22.25	22.34	22.20				
5	QPSK	12	7	22.18	22.24	22.24	24	1		
5	QPSK	12	13	22.18	22.28	22.12				
5	QPSK	25	0	22.21	22.24	22.24				
5	16QAM	1	0	22.23	22.18	22.07	24	1		
5	16QAM	1	12	22.09	22.16	22.04				
5	16QAM	1	24	22.05	22.19	22.11				
5	16QAM	12	0	21.24	21.28	21.19				
5	16QAM	12	7	21.15	21.17	21.14	23	2		
5	16QAM	12	13	21.18	21.24	21.11				
5	16QAM	25	0	21.16	21.25	21.15				
5	64QAM	1	0	21.11	21.14	21.08	23	2		
5	64QAM	1	12	21.08	21.12	21.03				
5	64QAM	1	24	21.07	21.03	21.06				
5	64QAM	12	0	20.12	20.23	20.11				
5	64QAM	12	7	20.02	20.18	20.10	22	3		
5	64QAM	12	13	20.12	20.19	20.09				
5	64QAM	25	0	20.08	20.13	20.07				

		GSM1900 Ant2 Default						
GSM1900		Burst Average Power (dBm)				Frame-Average Power (dBm)		
TX Channel		512	661	810	Time-up Limit	512	661	810
Frequency (MHz)		1850.2	1860	1900.8	(dBm)	1850.2	1860	1900.8
GSM 1 Tx slot		29.89	29.95	29.93	31.00	20.89	20.95	20.93
GPRS 1 Tx slot		30.01	29.95	29.93	31.00	20.95	21.01	20.95
GPRS 2 Tx slots		27.08	27.11	27.03	28.00	21.08	21.11	21.03
GPRS 3 Tx slots		25.21	25.24	25.26	26.20	20.95	21.08	21.00
GPRS 4 Tx slots		24.02	24.02	23.90	25.00	20.92	21.02	20.90
EDGE 1 Tx slot		26.15	26.26	26.18	27.00	17.15	17.26	17.18
EDGE 2 Tx slots		23.36	23.44	23.35	24.00	17.36	17.44	17.35
EDGE 3 Tx slots		21.53	21.58	21.50	22.20	17.27	17.39	17.24
EDGE 4 Tx slots		20.54	20.68	20.60	21.00	17.54	17.68	17.60

		WCDMA II Ant2 Default			WCDMA IV Ant2 Default				
Band		WCDMA II			WCDMA IV				
TX Channel		9262	9400	9638	Tune-up Limit (dBm)				
RX Channel		9662	9800	9938	1312	1413	1513		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.47	23.56	23.53	25.00	23.43	23.55	23.49	
3GPP Rel 99	RMC 12.2Kbps	23.50	23.61	23.56	25.00	23.50	23.57	23.52	
3GPP Rel 6	HSDPA Subtest-1	22.48	22.69	22.63	24.00	22.52	22.56	22.59	24.00
3GPP Rel 6	HSDPA Subtest-2	22.54	22.53	22.56	24.00	22.57	22.60	22.55	24.00
3GPP Rel 6	HSDPA Subtest-3	22.09	22.11	22.02	23.50	22.07	22.16	22.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.00	22.02	22.00	23.50	21.94	22.01	22.03	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.53	22.57	24.00	22.54	22.59	22.50	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.48	22.55	22.46	24.00	22.47	22.55	22.43	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.86	22.05	21.93	23.50	21.94	22.08	21.93	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.90	22.02	21.96	23.50	21.82	21.96	21.93	23.50
3GPP Rel 6	HSUPA Subtest-1	22.34	22.47	22.50	24.00	22.41	22.49	22.50	24.00
3GPP Rel 6	HSUPA Subtest-2	20.56	20.65	20.56	22.00	20.58	20.64	20.57	22.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.71	21.68	23.00	21.62	21.63	21.60	23.00
3GPP Rel 6	HSUPA Subtest-4	20.46	20.50	20.51	22.00	20.46	20.59	20.42	22.00
3GPP Rel 6	HSUPA Subtest-5	22.39	22.60	22.42	24.00	22.40	22.59	22.45	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.07	20.14	20.08	21.50	20.11	20.21	20.06	21.50

Band 38 Main PA Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.19	25.28	25.23	24.5	1	
20	QPSK	1	49	25.08	25.18	25.09			
20	QPSK	1	99	25.08	25.15	25.10			
20	QPSK	50	0	24.25	24.30	24.23			
20	QPSK	50	24	24.17	24.27	24.21	24.5	1	
20	QPSK	50	50	24.15	24.20	24.13			
20	QPSK	100	0	24.13	24.23	24.17			
20	16QAM	1	0	23.16	23.23	23.08			
20	16QAM	1	49	23.00	23.14	23.00	24.5	1	
20	16QAM	1	99	23.02	23.17	23.09			
20	16QAM	50	0	23.19	23.27	23.22			
20	16QAM	50	24	23.17	23.22	23.11			
20	16QAM	50	50	23.26	23.31	23.27	23.5	2	
20	16QAM	100	0	23.23	23.26	23.11			
20	64QAM	1	0	22.84	22.90	22.84			
20	64QAM	1	49	22.81	22.91	22.84			
20	64QAM	1	99	22.71	22.85	22.76	22.5	3	
20	64QAM	50	0	22.22	22.27	22.21			
20	64QAM	50	24	22.08	22.22	22.08			
20	64QAM	50	50	22.20	22.27	22.19			
20	64QAM	100	0	22.10	22.22	22.19	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	25.10	25.22	25.17			
15	QPSK	1	37	25.05	25.11	24.95	24.5	1	
15	QPSK	1	74	24.98	25.04	25.05			
15	QPSK	36	0	24.16	24.15	24.15			
15	QPSK	36	20	24.04	24.20	24.11			
15	QPSK	36	39	24.10	24.09	24.04	24.5	1	
15	QPSK	75	0	24.06	24.09	24.13			
15	16QAM	1	0	23.11	23.15	22.93			
15	16QAM	1	37	22.93	23.02	22.94			
15	16QAM	1	74	22.92	23.06	22.99	23.5	2	
15	16QAM	36	0	23.15	23.17	23.14			
15	16QAM	36	20	23.03	23.12	23.07			
15	16QAM	36	39	23.18	23.18	23.22			
15	16QAM	75	0	23.14	23.15	23.06	23.5	2	
15	64QAM	1	0	22.71	22.79	22.78			
15	64QAM	1	37	22.72	22.82	22.76			
15	64QAM	1	74	22.68	22.76	22.66			
15	64QAM	36	0	22.11	22.17	22.13	22.5	3	
15	64QAM	36	20	21.94	22.14	22.00			
15	64QAM	36	39	22.15	22.13	22.06			
15	64QAM	75	0	21.98	22.11	22.06			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	25.08	25.17	25.12	25.5	0	
10	QPSK	1	25	25.01	25.14	25.05			
10	QPSK	1	49	24.95	25.12	25.01			
10	QPSK	25	0	24.15	24.22	24.18			
10	QPSK	25	12	24.08	24.21	24.16	24.5	1	
10	QPSK	25	25	24.04	24.05	24.02			
10	QPSK	50	0	24.08	24.10	24.13			
10	16QAM	1	0	23.09	23.14	23.04			
10	16QAM	1	25	22.89	23.07	22.89	24.5	1	
10	16QAM	1	49	22.92	23.08	23.04			
10	16QAM	25	0	23.09	23.13	23.13			
10	16QAM	25	12	23.08	23.11	23.05			
10	16QAM	25	25	23.15	23.28	23.16	23.5	2	
10	16QAM	50	0	23.14	23.22	22.98			
10	64QAM	1	0	22.78	22.83	22.77			
10	64QAM	1	25	22.77	22.78	22.76			
10	64QAM	1	49	22.61	22.76	22.66	22.5	3	
10	64QAM	25	0	22.12	22.18	22.12			
10	64QAM	25	12	22.02	22.13	21.96			
10	64QAM	25	25	22.11	22.17	22.05			
10	64QAM	50	0	22.04	22.14	22.07	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	25.05	25.19	25.13			
5	QPSK	1	12	24.99	25.14	24.97	24.5	1	
5	QPSK	1	24	24.99	25.00	25.04			
5	QPSK	12	0	24.19	24.26	24.14			
5	QPSK	12	7	24.04	24.19	24.11			
5	QPSK	12	13	24.07	24.08	24.09	24.5	1	
5	QPSK	25	0	24.07	24.15	24.02			
5	16QAM	1	0	23.10	23.12	23.00			
5	16QAM	1	12	22.90	23.09	22.86			
5	16QAM	1	24	22.94	23.10	22.97	23.5	2	
5	16QAM	12	0	23.12	23.17	23.12			
5	16QAM	12	7	23.03	23.18	23.06			
5	16QAM	12	13	23.19	23.20	23.20			
5	16QAM	25	0	23.15	23.12	23.04	23.5	2	
5	64QAM	1	0	22.70	22.78	22.73			
5	64QAM	1	12	22.73	22.80	22.76			
5	64QAM	1	24	22.66	22.82	22.70			
5	64QAM	12	0	22.10	22.21	22.14	22.5	3	
5	64QAM	12	7	22.00	22.15	22.00			
5	64QAM	12	13	22.16	22.18	22.05			
5	64QAM	25	0	22.06	22.16	22.05			

Band 41 Main PA Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.18	25.28	25.38	25.31	25.22	25.5
20	QPSK	1	49	25.04	25.20	25.24	25.25	25.12	
20	QPSK	1	99	25.15	25.23	25.31	25.23	25.17	
20	QPSK	50	0	24.33	24.41	24.46	24.32	24.36	
20	QPSK	50	24	24.29	24.27	24.43	24.28	24.29	24.5
20	QPSK	50	50	24.19	24.28	24.34	24.20	24.24	
20	QPSK	100	0	24.19	24.25	24.31	24.24	24.19	
20	16QAM	1	0	23.18	23.27	23.34	23.22	23.15	
20	16QAM	1	49	23.09	23.06	23.20	23.09	23.11	24.5
20	16QAM	1	99	23.14	23.13	23.33	23.25	23.15	
20	16QAM	50	0	23.27	23.36	23.40	23.32	23.23	
20	16QAM	50	24	23.22	23.31	23.36	23.17	23.19	
20	16QAM	50	50	23.25	23.36	23.38	23.34	23.28	23.5
20	16QAM	100	0	23.18	23.36	23.37	23.25	23.23	
20	64QAM	1	0	22.93	22.90	23.03	23.01	22.93	
20	64QAM	1	49	22.94	22.97	23.08	22.92	22.92	
20	64QAM	1	99	22.89	22.82	23.02	22.87	22.92	23.5
20	64QAM	50	0	22.20	22.34	22.39	22.36	22.28	
20	64QAM	50	24	22.09	22.25	22.28	22.20	22.15	
20	64QAM	50	50	22.22	22.28	22.37	22.25	22.26	
20	64QAM	100	0	22.21	22.23	22.37	22.29	22.22	Tune-up limit (dbm)
Channel				39725	40173	40620	41088	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	26
15	QPSK	1	0	25.05	25.25	25.30	25.23	25.13	
15	QPSK	1	37	24.90	25.05	25.15	25.20	25.03	24.5
15	QPSK	1	74	25.08	25.16	25.19	25.12	25.06	
15	QPSK	36	0	24.24	24.34	24.36	24.21	24.30	
15	QPSK	36	20	24.19	24.12	24.34	24.25	24.18	
15	QPSK	36	39	24.14	24.15	24.24	24.09	24.12	24.5
15	QPSK	75	0	24.16	24.19	24.21	24.20	24.11	
15	16QAM	1	0	23.07	23.22	23.23	23.09	23.09	24.5
15	16QAM	1	37	22.99	22.94	23.07	23.06	23.07	
15	16QAM	1	74	23.00	23.01	23.20	23.18	23.08	
15	16QAM	36	0	23.21	23.26	23.28	23.23	23.09	
15	16QAM	36	20	23.09	23.20	23.23	23.13	23.13	23.5
15	16QAM	36	39	23.22	23.30	23.31	23.29	23.15	
15	16QAM	75	0	23.15	23.26	23.31	23.17	23.19	
15	64QAM	1	0	22.83	22.78	22.99	22.94	22.89	
15	64QAM	1	37	22.89	22.89	22.96	22.77	22.77	23.5
15	64QAM	1	74	22.79	22.73	22.90	22.80	22.87	
15	64QAM	36	0	22.17	22.30	22.30	22.22	22.24	
15	64QAM	36	20	22.04	22.11	22.22	22.07	22.05	
15	64QAM	36	39	22.15	22.23	22.25	22.12	22.14	22.5
15	64QAM	75	0	22.10	22.18	22.26	22.14	22.09	
Channel				39750	40169	40620	41080	41490	Tune-up limit (dbm)
Frequency (MHz)				2506	2547	2593	2639	2683	
10	QPSK	1	0	25.08	25.18	25.27	25.20	25.12	26
10	QPSK	1	25	24.99	25.14	25.11	25.11	25.06	
10	QPSK	1	49	25.11	25.09	25.26	25.10	25.08	
10	QPSK	25	0	24.26	24.36	24.41	24.21	24.21	
10	QPSK	25	12	24.20	24.20	24.38	24.16	24.21	24.5
10	QPSK	25	25	24.14	24.17	24.20	24.15	24.11	
10	QPSK	50	0	24.14	24.12	24.25	24.12	24.10	
10	16QAM	1	0	23.04	23.15	23.22	23.17	23.11	
10	16QAM	1	25	22.95	23.02	23.13	22.98	23.14	24.5
10	16QAM	1	49	23.03	23.09	23.22	23.18	23.11	
10	16QAM	25	0	23.23	23.30	23.27	23.18	23.16	
10	16QAM	25	12	23.14	23.17	23.31	23.04	23.06	
10	16QAM	25	25	23.21	23.31	23.31	23.20	23.17	23.5
10	16QAM	50	0	23.05	23.25	23.27	23.11	23.20	
10	64QAM	1	0	22.86	22.80	22.93	22.95	22.83	
10	64QAM	1	25	22.81	22.89	22.95	22.79	22.82	
10	64QAM	1	49	22.79	22.71	22.96	22.73	22.87	23.5
10	64QAM	25	0	22.13	22.25	22.32	22.26	22.17	
10	64QAM	25	12	22.03	22.17	22.23	22.13	22.02	
10	64QAM	25	25	22.16	22.18	22.28	22.12	22.23	
10	64QAM	50	0	22.07	22.16	22.21	22.05	22.13	Tune-up limit (dbm)
Channel				39675	40148	40620	41093	41595	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	26
5	QPSK	1	0	25.10	25.21	25.35	25.21	25.08	
5	QPSK	1	12	24.92	25.08	25.10	25.15	25.00	24.5
5	QPSK	1	24	25.06	25.14	25.26	25.20	25.14	
5	QPSK	12	0	24.22	24.38	24.39	24.27	24.27	
5	QPSK	12	7	24.18	24.14	24.33	24.13	24.16	
5	QPSK	12	13	24.11	24.19	24.23	24.12	24.09	24.5
5	QPSK	25	0	24.07	24.21	24.24	24.17	24.09	
5	16QAM	1	0	23.06	23.22	23.27	23.09	23.07	
5	16QAM	1	12	23.05	22.97	23.17	22.96	22.99	
5	16QAM	1	24	23.06	23.06	23.28	23.16	23.07	23.5
5	16QAM	12	0	23.22	23.27	23.32	23.19	23.12	
5	16QAM	12	7	23.17	23.25	23.28	23.11	23.11	
5	16QAM	12	13	23.19	23.22	23.30	23.25	23.17	
5	64QAM	1	0	23.09	23.26	23.31	23.21	23.10	23.5
5	64QAM	1	0	22.83	22.77	22.93	22.87	22.79	
5	64QAM	1	12	22.90	22.92	22.93	22.79	22.83	
5	64QAM	1	24	22.76	22.76	22.93	22.72	22.85	
5	64QAM	12	0	22.08	22.20	22.25	22.26	22.14	22.5
5	64QAM	12	7	22.04	22.20	22.26	22.15	22.03	
5	64QAM	12	13	22.12	22.22	22.24	22.14	22.22	
5	64QAM	25	0	22.16	22.16	22.28	22.23	22.16	

Band 41 Main PA Ant3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.12	23.10	23.25	23.20	23.06	24.5	0
20	QPSK	1	49	23.03	22.88	23.12	23.07	23.03		
20	QPSK	1	99	23.01	22.97	23.12	22.97	23.02	23.5	1
20	QPSK	50	0	22.26	22.20	22.41	22.28	22.26		
20	QPSK	50	24	22.23	22.15	22.30	22.28	22.13		
20	QPSK	50	50	22.17	22.12	22.24	22.18	22.05		
20	QPSK	100	0	22.18	22.15	22.30	22.13	22.12	23.5	1
20	16QAM	1	0	22.11	22.17	22.17	22.13	22.00		
20	16QAM	1	49	22.14	22.05	22.19	22.13	22.01		
20	16QAM	1	99	22.02	22.06	22.14	22.11	21.94		
20	16QAM	50	0	21.17	21.24	21.26	21.23	21.11	22.5	2
20	16QAM	50	24	21.07	21.09	21.18	21.14	21.08		
20	16QAM	50	50	21.17	21.11	21.27	21.19	21.08		
20	16QAM	100	0	21.06	21.08	21.13	21.05	20.95		
20	64QAM	1	0	20.85	20.86	20.97	20.85	20.86	22.5	2
20	64QAM	1	49	20.71	20.78	20.83	20.84	20.70		
20	64QAM	1	99	20.78	20.68	20.89	20.78	20.79		
20	64QAM	50	0	20.18	20.12	20.25	20.20	20.07		
20	64QAM	50	24	20.08	20.08	20.21	20.11	20.06	21.5	3
20	64QAM	50	50	20.16	20.27	20.20	20.15	20.16		
20	64QAM	100	0	20.07	20.03	20.11	20.16	19.98		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2546.3	2593	2637.5	2682.5		
15	QPSK	1	0	23.08	23.04	23.20	23.06	22.92	25	0
15	QPSK	1	37	22.99	22.85	23.04	23.01	22.95		
15	QPSK	1	74	22.94	22.89	23.01	22.90	22.88		
15	QPSK	36	0	22.21	22.06	22.29	22.17	22.22		
15	QPSK	36	20	22.13	22.08	22.16	22.24	22.04	23.5	1
15	QPSK	36	39	22.03	22.05	22.19	22.05	21.91		
15	QPSK	75	0	22.10	22.11	22.15	21.99	22.06		
15	16QAM	1	0	22.05	22.11	22.07	22.08	21.95		
15	16QAM	1	37	22.04	21.95	22.06	22.03	21.90	23.5	1
15	16QAM	1	74	21.87	21.94	22.00	22.05	21.89		
15	16QAM	36	0	21.09	21.16	21.15	21.13	20.96		
15	16QAM	36	20	21.02	20.88	21.08	21.04	21.02		
15	16QAM	36	39	21.03	21.02	21.24	21.11	21.04	22.5	2
15	16QAM	75	0	20.93	21.00	20.98	20.90	20.88		
15	64QAM	1	0	20.73	20.75	20.89	20.76	20.80		
15	64QAM	1	37	20.61	20.74	20.73	20.74	20.59		
15	64QAM	1	74	20.73	20.58	20.75	20.71	20.67	21.5	3
15	64QAM	36	0	20.08	20.05	20.17	20.09	20.02		
15	64QAM	36	20	20.02	20.01	20.17	19.97	20.00		
15	64QAM	36	39	20.04	20.16	20.18	20.09	20.06		
15	64QAM	75	0	19.99	19.94	20.01	20.10	19.87	Channel	Frequency (MHz)
				39700	40160	40620	41080	41540		
				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.01	22.98	23.15	23.09	22.92		
10	QPSK	1	25	22.91	22.93	23.03	22.93	22.97	25	0
10	QPSK	1	49	22.93	22.84	23.08	22.88	22.97		
10	QPSK	25	0	22.12	22.10	22.38	22.17	22.18		
10	QPSK	25	12	22.16	22.09	22.17	22.16	22.09		
10	QPSK	25	25	22.10	21.98	22.19	22.09	22.02	23.5	1
10	QPSK	50	0	22.10	22.01	22.24	22.09	22.02		
10	16QAM	1	0	21.97	22.03	22.08	22.09	21.89		
10	16QAM	1	25	22.03	22.01	22.09	22.00	21.91		
10	16QAM	1	49	21.90	22.02	22.06	22.06	21.90	22.5	2
10	16QAM	25	0	21.11	21.12	21.19	21.13	20.98		
10	16QAM	25	12	20.99	21.04	21.04	21.02	21.05		
10	16QAM	25	25	21.12	20.97	21.13	21.09	21.00		
10	16QAM	50	0	21.02	20.97	21.05	20.94	20.87	21.5	3
10	64QAM	1	0	20.80	20.79	20.85	20.71	20.77		
10	64QAM	1	25	20.57	20.86	20.78	20.76	20.56		
10	64QAM	1	49	20.65	20.61	20.75	20.65	20.71		
10	64QAM	25	0	20.09	20.07	20.14	20.09	20.01	Channel	Frequency (MHz)
				39675	40148	40620	41093	41565		
				2498.5	2545.3	2593	2640.3	2687.2		
5	QPSK	1	0	23.00	23.04	23.20	23.13	22.98	25	0
5	QPSK	1	12	22.94	22.90	23.01	22.93	23.00		
5	QPSK	1	24	22.98	22.92	23.07	22.88	22.98		
5	QPSK	12	0	22.22	22.15	22.33	22.23	22.21		
5	QPSK	12	7	22.11	22.11	22.26	22.18	22.10	23.5	1
5	QPSK	12	13	22.05	22.06	22.18	22.14	21.94		
5	QPSK	25	0	22.15	22.08	22.28	22.09	22.01		
5	16QAM	1	0	22.03	22.13	22.12	22.07	21.91		
5	16QAM	1	12	22.09	21.95	22.10	22.05	21.87	23.5	1
5	16QAM	1	24	21.90	21.92	22.05	22.05	21.86		
5	16QAM	12	0	21.07	21.14	21.20	21.12	21.07		
5	16QAM	12	7	20.95	20.98	21.13	21.01	21.02		
5	16QAM	12	13	21.05	20.98	21.20	21.13	20.98	22.5	2
5	16QAM	25	0	20.92	21.02	21.00	20.96	20.87		
5	64QAM	1	0	20.77	20.78	20.89	20.76	20.80		
5	64QAM	1	12	20.60	20.88	20.71	20.71	20.61		
5	64QAM	1	24	20.70	20.59	20.78	20.70	20.65	21.5	3
5	64QAM	12	0	20.08	20.01	20.11	20.11	20.02		
5	64QAM	12	7	20.04	19.97	20.13	19.97	19.95		
5	64QAM	12	13	20.09	20.18	20.20	20.03	20.07		
5	64QAM	25	0	19.97	19.95	20.08	20.08	19.89		

Band 2 Main PA Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)				1860.5	1860	1860.5	Turn-up limit (dBm)	MPE (dB)				
20	QPSK	1	0	23.26	23.35	23.31	24.5	0				
20	QPSK	1	49	23.18	23.27	23.25						
20	QPSK	1	99	23.18	23.22	23.16						
20	QPSK	50	0	22.36	22.42	22.36						
20	QPSK	50	24	22.30	22.38	22.34	23.5	1				
20	QPSK	50	50	22.16	22.31	22.23						
20	QPSK	100	0	22.33	22.37	22.38						
20	16QAM	100	0	22.72	22.84	22.72						
20	16QAM	1	49	22.68	22.74	22.63	23.5	1				
20	16QAM	1	99	22.68	22.74	22.63						
20	16QAM	1	99	21.35	21.45	21.31						
20	16QAM	50	24	21.17	21.32	21.27						
20	16QAM	50	50	21.29	21.38	21.25	22.5	2				
20	16QAM	100	0	21.24	21.40	21.22						
20	64QAM	1	0	21.39	21.52	21.41						
20	64QAM	1	49	21.43	21.46	21.39						
20	64QAM	1	99	21.36	21.45	21.31	22.5	2				
20	64QAM	50	0	20.43	20.47	20.41						
20	64QAM	50	24	20.29	20.38	20.31						
20	64QAM	50	50	20.35	20.45	20.36						
20	64QAM	100	0	20.22	20.35	20.30	21.5	3				
Channel												
Frequency (MHz)				1860.5	1860	1860.5				Turn-up limit (dBm)	MPE (dB)	
15	QPSK	1	0	23.21	23.29	23.16	24.5	0				
15	QPSK	1	37	23.19	23.20	23.14						
15	QPSK	1	74	23.15	23.12	23.06						
15	QPSK	36	0	22.30	22.32	22.31						
15	QPSK	36	20	22.18	22.26	22.20	23.5	1				
15	QPSK	36	39	22.11	22.22	22.19						
15	QPSK	75	0	22.19	22.25	22.19						
15	16QAM	1	0	22.60	22.69	22.57						
15	16QAM	1	37	22.62	22.70	22.62	23.5	1				
15	16QAM	1	74	22.65	22.60	22.48						
15	16QAM	36	0	21.20	21.30	21.15						
15	16QAM	36	20	21.13	21.26	21.12						
15	16QAM	36	39	21.14	21.27	21.13	22.5	2				
15	16QAM	75	0	21.19	21.28	21.07						
15	16QAM	75	0	21.35	21.46	21.28						
15	64QAM	1	37	21.38	21.37	21.25						
15	64QAM	1	74	21.32	21.29	21.27	22.5	2				
15	64QAM	36	0	20.36	20.35	20.33						
15	64QAM	36	20	20.18	20.24	20.20						
15	64QAM	36	39	20.25	20.35	20.26						
15	64QAM	75	0	20.12	20.31	20.15	21.5	3				
Channel												
Frequency (MHz)				1860.5	1860	1860.5				Turn-up limit (dBm)	MPE (dB)	
10	QPSK	1	0	23.16	23.22	23.21	24.5	0				
10	QPSK	1	20	23.14	23.14	23.16						
10	QPSK	1	49	23.11	23.13	23.06						
10	QPSK	25	0	22.33	22.33	22.33						
10	QPSK	25	12	22.17	22.28	22.19	23.5	1				
10	QPSK	25	25	22.07	22.26	22.15						
10	QPSK	50	0	22.26	22.24	22.26						
10	16QAM	1	0	22.61	22.72	22.62						
10	16QAM	1	25	22.61	22.73	22.56	23.5	1				
10	16QAM	1	49	22.53	22.66	22.57						
10	16QAM	25	0	21.27	21.29	21.16						
10	16QAM	25	12	21.08	21.23	21.15						
10	16QAM	25	25	21.18	21.27	21.13	22.5	2				
10	16QAM	50	0	21.17	21.19	21.15						
10	16QAM	50	12	21.02	21.15	21.05						
10	16QAM	1	25	21.37	21.43	21.32						
10	64QAM	1	49	21.24	21.28	21.27	22.5	2				
10	64QAM	36	0	20.36	20.36	20.36						
10	64QAM	36	12	20.18	20.28	20.25						
10	64QAM	36	25	20.26	20.38	20.29						
10	64QAM	75	0	20.10	20.31	20.15	21.5	3				
Channel												
Frequency (MHz)				1860.5	1860	1860.5				Turn-up limit (dBm)	MPE (dB)	
5	QPSK	1	0	23.18	23.24	23.19	24.5	0				
5	QPSK	1	12	23.13	23.13	23.06						
5	QPSK	1	24	23.04	23.13	23.02						
5	QPSK	12	0	22.33	22.35	22.26						
5	QPSK	12	7	22.21	22.26	22.19	23.5	1				
5	QPSK	12	13	22.08	22.19	22.15						
5	QPSK	25	0	22.26	22.26	22.15						
5	16QAM	1	0	22.59	22.71	22.60						
5	16QAM	1	24	22.61	22.71	22.49	23.5	1				
5	16QAM	1	24	21.25	21.28	21.15						
5	16QAM	12	7	21.03	21.24	21.13						
5	16QAM	12	13	21.14	21.21	21.12						
5	16QAM	25	0	21.14	21.21	21.12	22.5	2				
5	16QAM	25	12	21.02	21.15	21.05						
5	16QAM	25	12	21.02	21.15	21.05						
5	16QAM	1	12	21.37	21.42	21.33						
5	64QAM	1	24	21.24	21.30	21.21	22.5	2				
5	64QAM	12	0	20.29	20.38	20.35						
5	64QAM	12	7	20.15	20.35	20.18						
5	64QAM	12	13	20.25	20.31	20.33						
5	64QAM	25	0	20.14	20.21	20.17	21.5	3				
Channel												
Frequency (MHz)				1860.5	1860	1860.5				Turn-up limit (dBm)	MPE (dB)	
3	QPSK	1	0	23.13	23.31	23.25	24.5	0				
3	QPSK	1	8	23.13	23.23	23.07						
3	QPSK	1	14	23.13	23.14	23.12						
3	QPSK	8	0	22.21	22.30	22.26						
3	QPSK	8	4	22.23	22.31	22.14	23.5	1				
3	QPSK	15	0	22.10	22.18	22.20						
3	QPSK	15	0	22.22	22.27	22.16						
3	16QAM	1	0	22.64	22.77	22.60						
3	16QAM	1	8	22.56	22.67	22.59	23.5	1				
3	16QAM	1	14	22.60	22.67	22.51						
3	16QAM	8	4	21.21	21.34	21.17						
3	16QAM	8	7	21.08	21.19	21.21						
3	16QAM	16	0	21.20	21.21	21.13	22.5	2				
3	64QAM	1	0	21.29	21.45	21.33						
3	64QAM	1	8	21.28	21.39	21.36						
3	64QAM	1	14	21.33	21.38	21.36						
3	64QAM	8	0	20.38	20.41	20.34	21.5	3				
3	64QAM	8	4	20.20	20.34	20.24						
3	64QAM	8	7	20.35	20.33	20.35						
3	64QAM	15	0	20.11	20.31	20.27						
Channel												
Frequency (MHz)				1860.7	1860	1860.3	Turn-up limit (dBm)	MPE (dB)				
1.4	QPSK	1	0	23.19	23.28	23.24	24.5	0				
1.4	QPSK	1	3	23.16	23.19	23.12						
1.4	QPSK	1	5	23.17	23.13	23.02						
1.4	QPSK	3	1	23.19	23.15	23.10						
1.4	QPSK	3	3	23.21	23.17	23.02	23.5	1				
1.4	QPSK	6	0	22.30	22.28	22.25						
1.4	16QAM	1	0	22.20	22.29	22.18						
1.4	16QAM	1	9	22.20	22.29	22.24						
1.4	16QAM	3	0	22.63	22.77	22.63	23.5	1				
1.4	16QAM	3	3	22.55	22.71	22.62						
1.4	16QAM	3	3	22.58	22.65	22.58						
1.4	16QAM	6	0	21.24	21.29	21.17	22.5	2				
1.4	16QAM	6	3	21.08	21.20	21.14						
1.4	16QAM	6	5	21.21	21.26	21.13						
1.4	16QAM	6	8	21.26	21.26	21.17						
1.4	16QAM	3	0	21.29	21.47	21.27	22.5	2				
1.4	16QAM	3	3	21.31	21.28	21.13						
1.4	16QAM	3	5	21.38	21.37	21.29						
1.4	16QAM	6	0	20.18	20.26	20.24						

Band 42 FCC Part27Q Main PA Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	25.00	25.05	24.97	25.5	0
20	QPSK	1	49	24.86	24.94	24.84		
20	QPSK	1	99	24.75	24.89	24.83		
20	QPSK	50	0	23.85	23.95	23.91	24.5	1
20	QPSK	50	24	23.76	23.86	23.83		
20	QPSK	50	50	23.79	23.87	23.78		
20	QPSK	100	0	23.80	23.89	23.81	24.5	1
20	16QAM	1	0	23.89	23.77	23.71		
20	16QAM	1	49	23.86	23.71	23.82		
20	16QAM	1	99	23.63	23.72	23.57	23.5	2
20	16QAM	50	0	22.94	23.03	22.92		
20	16QAM	50	24	22.81	22.91	22.83		
20	16QAM	50	50	22.92	22.98	22.86	23.5	2
20	16QAM	100	0	22.84	22.86	22.74		
20	64QAM	1	0	22.61	22.75	22.64		
20	64QAM	1	49	22.57	22.67	22.63	23.5	2
20	64QAM	1	99	22.53	22.57	22.53		
20	64QAM	50	0	21.86	21.89	21.81		
20	64QAM	50	24	21.62	21.74	21.64	22.5	3
20	64QAM	50	50	21.61	21.75	21.69		
20	64QAM	100	0	21.65	21.72	21.61		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	24.92	24.98	24.84	25.5	0
15	QPSK	1	37	24.75	24.87	24.70		
15	QPSK	1	74	24.71	24.78	24.70		
15	QPSK	36	0	23.75	23.92	23.82	24.5	1
15	QPSK	36	20	23.61	23.74	23.73		
15	QPSK	36	39	23.68	23.83	23.70		
15	QPSK	75	0	23.68	23.82	23.70	24.5	1
15	16QAM	1	0	23.54	23.70	23.59		
15	16QAM	1	37	23.53	23.60	23.59		
15	16QAM	1	74	23.49	23.57	23.48	23.5	2
15	16QAM	36	0	22.91	22.99	22.80		
15	16QAM	36	20	22.71	22.81	22.73		
15	16QAM	36	39	22.80	22.89	22.79	23.5	2
15	16QAM	75	0	22.76	22.81	22.64		
15	64QAM	1	0	22.55	22.68	22.60		
15	64QAM	1	37	22.50	22.64	22.50	23.5	2
15	64QAM	1	74	22.45	22.45	22.44		
15	64QAM	36	0	21.73	21.83	21.71		
15	64QAM	36	20	21.57	21.68	21.58	22.5	3
15	64QAM	36	39	21.52	21.68	21.54		
15	64QAM	75	0	21.62	21.60	21.51		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	24.08	24.96	24.82	25.5	0
10	QPSK	1	25	24.79	24.86	24.77		
10	QPSK	1	49	24.61	24.81	24.79		
10	QPSK	25	0	23.80	23.93	23.80	24.5	1
10	QPSK	25	12	23.72	23.83	23.68		
10	QPSK	25	25	23.66	23.76	23.66		
10	QPSK	50	0	23.73	23.85	23.74	24.5	1
10	16QAM	1	0	23.56	23.67	23.67		
10	16QAM	1	25	23.58	23.60	23.56		
10	16QAM	1	49	23.58	23.67	23.42	23.5	2
10	16QAM	25	0	22.83	22.94	22.89		
10	16QAM	25	12	22.88	22.82	22.70		
10	16QAM	25	25	22.85	22.93	22.76	23.5	2
10	16QAM	50	0	22.79	22.85	22.69		
10	64QAM	1	0	22.65	22.67	22.52		
10	64QAM	1	25	22.52	22.59	22.58	23.5	2
10	64QAM	1	49	22.45	22.48	22.46		
10	64QAM	25	0	21.78	21.82	21.75		
10	64QAM	25	12	21.58	21.59	21.59	22.5	3
10	64QAM	25	25	21.50	21.69	21.61		
10	64QAM	50	0	21.60	21.63	21.53		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3542.5		
5	QPSK	1	0	24.89	24.93	24.82	25.5	0
5	QPSK	1	12	24.80	24.87	24.77		
5	QPSK	1	24	24.66	24.75	24.72		
5	QPSK	12	0	23.74	23.94	23.84	24.5	1
5	QPSK	12	7	23.62	23.72	23.72		
5	QPSK	12	13	23.75	23.81	23.75		
5	QPSK	25	0	23.75	23.77	23.74	24.5	1
5	16QAM	1	0	23.58	23.74	23.57		
5	16QAM	1	12	23.56	23.56	23.53		
5	16QAM	1	24	23.58	23.67	23.43	23.5	2
5	16QAM	12	0	22.85	22.94	22.77		
5	16QAM	12	7	22.88	22.87	22.71		
5	16QAM	12	13	22.86	22.84	22.71	23.5	2
5	16QAM	25	0	22.72	22.84	22.68		
5	64QAM	1	0	22.48	22.65	22.50		
5	64QAM	1	12	22.46	22.62	22.57	23.5	2
5	64QAM	1	24	22.49	22.47	22.44		
5	64QAM	12	0	21.77	21.86	21.72		
5	64QAM	12	7	21.56	21.61	21.58	22.5	3
5	64QAM	12	13	21.57	21.64	21.60		
5	64QAM	25	0	21.53	21.68	21.58		

Band 42 FCC Part27Q Main PA Ant6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.73	24.77	24.68	25.5	0
20	QPSK	1	49	24.65	24.69	24.61		
20	QPSK	1	99	24.56	24.64	24.59		
20	QPSK	50	0	23.65	23.72	23.64	24.5	1
20	QPSK	50	24	23.57	23.66	23.55		
20	QPSK	50	50	23.65	23.61	23.57		
20	QPSK	100	0	23.51	23.63	23.54	24.5	1
20	16QAM	1	0	23.52	23.58	23.52		
20	16QAM	1	49	23.43	23.52	23.46		
20	16QAM	1	99	23.34	23.48	23.40	23.5	2
20	16QAM	50	0	22.58	22.67	22.57		
20	16QAM	50	24	22.55	22.59	22.50		
20	16QAM	50	50	22.54	22.63	22.49	23.5	2
20	16QAM	100	0	22.43	22.57	22.46		
20	64QAM	1	0	22.40	22.44	22.40		
20	64QAM	1	49	22.29	22.38	22.35	23.5	2
20	64QAM	1	99	22.19	22.34	22.24		
20	64QAM	50	0	21.63	21.67	21.60		
20	64QAM	50	24	21.45	21.58	21.53	22.5	3
20	64QAM	50	50	21.48	21.63	21.58		
20	64QAM	100	0	21.45	21.55	21.49		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.70	24.73	24.65	25.5	0
15	QPSK	1	37	24.58	24.55	24.47		
15	QPSK	1	74	24.52	24.55	24.48		
15	QPSK	36	0	23.54	23.59	23.55	24.5	1
15	QPSK	36	20	23.47	23.59	23.46		
15	QPSK	36	39	23.47	23.49	23.47		
15	QPSK	75	0	23.44	23.50	23.49	24.5	1
15	16QAM	1	0	23.45	23.49	23.46		
15	16QAM	1	37	23.33	23.44	23.35		
15	16QAM	1	74	23.30	23.42	23.32	23.5	2
15	16QAM	36	0	22.48	22.56	22.53		
15	16QAM	36	20	22.47	22.48	22.38		
15	16QAM	36	39	22.46	22.53	22.40	23.5	2
15	16QAM	75	0	22.31	22.46	22.43		
15	64QAM	1	0	22.29	22.40	22.37		
15	64QAM	1	37	22.19	22.27	22.23	23.5	2
15	64QAM	1	74	22.11	22.27	22.19		
15	64QAM	36	0	21.49	21.55	21.46		
15	64QAM	36	20	21.36	21.40	21.39	22.5	3
15	64QAM	36	39	21.40	21.55	21.53		
15	64QAM	75	0	21.32	21.51	21.38		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.63	24.66	24.56	25.5	0
10	QPSK	1	25	24.54	24.55	24.51		
10	QPSK	1	49	24.52	24.53	24.55		
10	QPSK	25	0	23.67	23.67	23.56	24.5	1
10	QPSK	25	12	23.54	23.58	23.47		
10	QPSK	25	25	23.51	23.51	23.46		
10	QPSK	50	0	23.36	23.57	23.49	24.5	1
10	16QAM	1	0	23.40	23.51	23.39		
10	16QAM	1	25	23.36	23.45	23.34		
10	16QAM	1	49	23.28	23.33	23.36	23.5	2
10	16QAM	25	0	22.54	22.54	22.51		
10	16QAM	25	12	22.46	22.49	22.39		
10	16QAM	25	25	22.40	22.57	22.43	23.5	2
10	16QAM	50	0	22.34	22.53	22.42		
10	64QAM	1	0	22.30	22.33	22.34		
10	64QAM	1	25	22.22	22.28	22.32	23.5	2
10	64QAM	1	49	22.05	22.20	22.19		
10	64QAM	25	0	21.55	21.55	21.49		
10	64QAM	25	12	21.35	21.53	21.45	22.5	3
10	64QAM	25	25	21.43	21.54	21.52		
10	64QAM	50	0	21.40	21.49	21.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.68	24.70	24.64	25.5	0
5	QPSK	1	12	24.52	24.64	24.58		
5	QPSK	1	24	24.45	24.57	24.52		
5	QPSK	12	0	23.61	23.62	23.56	24.5	1
5	QPSK	12	7	23.49	23.51	23.46		
5	QPSK	12	13	23.51	23.57	23.53		
5	QPSK	25	0	23.40	23.51	23.40	24.5	1
5	16QAM	1	0	23.40	23.45	23.39		
5	16QAM	1	12	23.31	23.47	23.41		
5	16QAM	1	24	23.23	23.45	23.29	23.5	2
5	16QAM	12	0	22.49	22.52	22.44		
5	16QAM	12	7	22.51	22.51	22.36		
5	16QAM	12	13	22.47	22.54	22.45	23.5	2
5	16QAM	25	0	22.29	22.43	22.45		
5	64QAM	1	0	22.28	22.41	22.29		
5	64QAM	1	12	22.22	22.23	22.26	23.5	2
5	64QAM	1	24	22.10	22.26	22.13		
5	64QAM	12	0	21.50	21.55	21.46		
5	64QAM	12	7	21.32	21.46	21.38	22.5	3
5	64QAM	12	13	21.44	21.55	21.44		
5	64QAM	25	0	21.32	21.47	21.40		

Band 42 FCC Part27Q Mian PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.55	23.48	24.5	0
20	QPSK	1	49	23.32	23.44	23.38		
20	QPSK	1	99	23.36	23.43	23.36		
20	QPSK	50	0	22.45	22.50	22.40	23.5	1
20	QPSK	50	24	22.37	22.49	22.43		
20	QPSK	50	50	22.30	22.35	22.23		
20	QPSK	100	0	22.28	22.37	22.25	23.5	1
20	16QAM	1	0	22.28	22.37	22.35		
20	16QAM	1	49	22.20	22.33	22.19		
20	16QAM	1	99	22.13	22.25	22.12	22.5	2
20	16QAM	50	0	21.40	21.50	21.46		
20	16QAM	50	24	21.32	21.46	21.36		
20	16QAM	50	50	21.34	21.48	21.39	21.5	3
20	16QAM	100	0	21.21	21.34	21.26		
20	64QAM	1	0	21.35	21.42	21.33		
20	64QAM	1	49	21.27	21.35	21.26	21.5	3
20	64QAM	1	99	21.16	21.25	21.12		
20	64QAM	50	0	20.41	20.50	20.43		
20	64QAM	50	24	20.35	20.38	20.26	20.26	20.26
20	64QAM	50	50	20.32	20.46	20.33		
20	64QAM	100	0	20.26	20.35	20.28		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	23.44	23.50	23.43	24.5	0
15	QPSK	1	37	23.25	23.32	23.32		
15	QPSK	1	74	23.22	23.39	23.24		
15	QPSK	36	0	22.41	22.35	22.30	23.5	1
15	QPSK	36	20	22.28	22.38	22.35		
15	QPSK	36	39	22.17	22.31	22.16		
15	QPSK	75	0	22.24	22.32	22.11	23.5	1
15	16QAM	1	0	22.25	22.25	22.25		
15	16QAM	1	37	22.12	22.20	22.14		
15	16QAM	1	74	22.07	22.15	22.03	22.5	2
15	16QAM	36	0	21.31	21.37	21.37		
15	16QAM	36	20	21.29	21.38	21.29		
15	16QAM	36	39	21.31	21.34	21.31	21.5	3
15	16QAM	75	0	21.14	21.21	21.15		
15	64QAM	1	0	21.24	21.29	21.22		
15	64QAM	1	37	21.16	21.32	21.15	21.5	3
15	64QAM	1	74	21.11	21.22	21.00		
15	64QAM	36	0	20.33	20.46	20.30		
15	64QAM	36	20	20.25	20.29	20.22	20.22	20.22
15	64QAM	36	39	20.28	20.34	20.26		
15	64QAM	75	0	20.15	20.23	20.22		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	23.38	23.48	23.34	24.5	0
10	QPSK	1	25	23.18	23.29	23.29		
10	QPSK	1	49	23.31	23.32	23.33		
10	QPSK	25	0	22.33	22.38	22.36	23.5	1
10	QPSK	25	12	22.28	22.42	22.35		
10	QPSK	25	25	22.16	22.29	22.13		
10	QPSK	50	0	22.23	22.29	22.19	23.5	1
10	16QAM	1	0	22.17	22.33	22.26		
10	16QAM	1	25	22.11	22.18	22.12		
10	16QAM	1	49	22.00	22.13	21.98	22.5	2
10	16QAM	25	0	21.31	21.45	21.38		
10	16QAM	25	12	21.27	21.40	21.21		
10	16QAM	25	25	21.21	21.44	21.29	21.5	3
10	16QAM	50	0	21.09	21.24	21.18		
10	64QAM	1	0	21.24	21.31	21.20		
10	64QAM	1	25	21.23	21.28	21.21	21.5	3
10	64QAM	1	49	21.06	21.17	21.08		
10	64QAM	25	0	20.33	20.37	20.40		
10	64QAM	25	12	20.32	20.33	20.12	20.26	20.26
10	64QAM	25	25	20.22	20.33	20.26		
10	64QAM	50	0	20.15	20.25	20.18		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	23.45	23.48	23.35	24.5	0
5	QPSK	1	12	23.18	23.31	23.31		
5	QPSK	1	24	23.29	23.36	23.28		
5	QPSK	12	0	22.33	22.45	22.36	23.5	1
5	QPSK	12	7	22.29	22.45	22.36		
5	QPSK	12	13	22.26	22.28	22.10		
5	QPSK	25	0	22.25	22.32	22.17	23.5	1
5	16QAM	1	0	22.23	22.30	22.23		
5	16QAM	1	12	22.16	22.26	22.14		
5	16QAM	1	24	22.01	22.19	22.06	22.5	2
5	16QAM	12	0	21.36	21.46	21.41		
5	16QAM	12	7	21.24	21.33	21.22		
5	16QAM	12	13	21.28	21.36	21.26	21.5	3
5	16QAM	25	0	21.09	21.30	21.17		
5	64QAM	1	0	21.28	21.28	21.28		
5	64QAM	1	12	21.16	21.24	21.11	21.5	3
5	64QAM	1	24	21.02	21.21	21.00		
5	64QAM	12	0	20.34	20.37	20.29		
5	64QAM	12	7	20.20	20.24	20.21	20.20	20.20
5	64QAM	12	13	20.28	20.40	20.20		
5	64QAM	25	0	20.13	20.26	20.17		

DSIO Power for WWAN Main PA

		GSM850			GSM850 And DSIO				
GSM850		Burnt Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.93	33.09	33.05	34.00	23.93	24.09	24.05	25.00
GPRS 1 Tx slot		30.97	33.13	33.07	34.00	23.97	24.13	24.07	25.00
GPRS 2 Tx slots		30.09	30.12	30.04	31.00	24.09	24.12	24.04	25.00
GPRS 3 Tx slots		28.23	28.34	28.19	29.20	23.97	24.08	23.93	24.94
GPRS 4 Tx slots		26.91	26.95	26.88	28.00	23.91	23.95	23.88	25.00
EDGE 1 Tx slot		27.01	27.13	27.08	28.00	18.01	18.13	18.08	19.00
EDGE 2 Tx slots		24.17	24.25	24.10	25.00	18.17	18.25	18.10	19.00
EDGE 3 Tx slots		22.31	22.41	22.28	23.20	18.05	18.15	18.02	18.94
EDGE 4 Tx slots		21.12	21.17	21.04	22.00	18.12	18.17	18.04	19.00

		WCDMA V And DS10				
Band		WCDMA V			Tune-up Limit (dBm)	
TX Channel		4132	4182	4233		
Rx Channel		4357	4407	4458		
Frequency (MHz)		825.4	836.4	848.6		
3GPP Rel 99	AMR 12.2Kbps	23.98	24.11	24.09	25.00	
3GPP Rel 99	RMC 12.2Kbps	24.04	24.16	24.13	25.00	
3GPP Rel 6	HSDPA Subtest-1	23.15	23.15	23.11	24.00	
3GPP Rel 6	HSDPA Subtest-2	23.09	23.15	23.07	24.00	
3GPP Rel 6	HSDPA Subtest-3	22.54	22.69	22.61	23.50	
3GPP Rel 6	HSDPA Subtest-4	22.56	22.63	22.57	23.50	
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.14	23.10	24.00	
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.14	23.06	24.00	
3GPP Rel 8	DC-HSDPA Subtest-3	22.45	22.60	22.53	23.50	
3GPP Rel 8	DC-HSDPA Subtest-4	22.43	22.56	22.50	23.50	
3GPP Rel 6	HSUPA Subtest-1	22.98	23.03	23.05	24.00	
3GPP Rel 6	HSUPA Subtest-2	21.08	21.21	21.06	22.00	
3GPP Rel 6	HSUPA Subtest-3	22.09	22.26	22.21	23.00	
3GPP Rel 6	HSUPA Subtest-4	21.06	21.11	21.03	22.00	
3GPP Rel 6	HSUPA Subtest-5	23.02	23.11	23.05	24.00	
3GPP Rel 7	HSPA+ (LTCQA) Subtest-1	20.57	20.76	20.64	21.50	

Band 5 Main PA Ant0 DS10										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20620				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.45	24.56	24.50	25.5	0		
10	QPSK	1	25	24.40	24.48	24.43				
10	QPSK	1	49	24.35	24.52	24.54				
10	QPSK	25	0	23.49	23.50	23.54				
10	QPSK	25	12	23.43	23.47	23.50				
10	QPSK	25	25	23.34	23.50	23.40	24.5	1		
10	QPSK	50	0	23.43	23.54	23.47				
10	16QAM	1	0	23.79	23.84	23.79				
10	16QAM	1	25	23.72	23.71	23.68				
10	16QAM	1	49	23.68	23.68	23.73				
10	16QAM	25	0	22.39	22.52	22.41	23.5	2		
10	16QAM	25	12	22.37	22.48	22.33				
10	16QAM	25	25	22.36	22.44	22.34				
10	16QAM	50	0	22.20	22.46	22.31				
10	64QAM	1	0	22.59	22.66	22.58				
10	64QAM	1	25	22.49	22.69	22.54	23.5	2		
10	64QAM	1	49	22.51	22.67	22.44				
10	64QAM	25	0	21.38	21.46	21.39				
10	64QAM	25	12	21.32	21.48	21.28				
10	64QAM	25	25	21.28	21.37	21.31				
10	64QAM	50	0	21.23	21.51	21.28	22.5	3		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.32	24.52	24.41	25.5	0		
5	QPSK	1	12	24.31	24.43	24.40				
5	QPSK	1	24	24.29	24.40	24.22				
5	QPSK	12	0	23.36	23.50	23.45				
5	QPSK	12	7	23.39	23.36	23.38				
5	QPSK	12	13	23.20	23.37	23.26	24.5	1		
5	QPSK	25	0	23.36	23.48	23.38				
5	16QAM	1	0	23.76	23.79	23.72				
5	16QAM	1	12	23.69	23.60	23.54				
5	16QAM	1	24	23.58	23.67	23.64				
5	16QAM	12	0	22.29	22.44	22.32	23.5	2		
5	16QAM	12	7	22.27	22.39	22.27				
5	16QAM	12	13	22.33	22.31	22.24				
5	16QAM	25	0	22.27	22.36	22.20				
5	64QAM	1	0	22.48	22.61	22.53				
5	64QAM	1	12	22.46	22.61	22.42	23.5	2		
5	64QAM	1	24	22.44	22.62	22.36				
5	64QAM	12	0	21.33	21.34	21.33				
5	64QAM	12	7	21.26	21.41	21.20				
5	64QAM	12	13	21.19	21.39	21.26				
5	64QAM	25	0	21.14	21.48	21.14	22.5	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.31	24.50	24.47	25.5	0		
3	QPSK	1	8	24.35	24.43	24.29				
3	QPSK	1	14	24.22	24.45	24.29				
3	QPSK	8	0	23.37	23.51	23.41				
3	QPSK	8	4	23.35	23.38	23.41				
3	QPSK	8	7	23.26	23.47	23.26	24.5	1		
3	QPSK	15	0	23.39	23.44	23.40				
3	16QAM	1	0	23.70	23.71	23.68				
3	16QAM	1	8	23.58	23.66	23.54				
3	16QAM	1	14	23.62	23.58	23.65				
3	16QAM	8	0	22.26	22.42	22.37	23.5	2		
3	16QAM	8	4	22.32	22.42	22.20				
3	16QAM	8	7	22.22	22.36	22.24				
3	16QAM	15	0	22.17	22.34	22.17				
3	64QAM	1	0	22.56	22.53	22.53				
3	64QAM	1	8	22.44	22.54	22.40	23.5	2		
3	64QAM	1	14	22.44	22.56	22.40				
3	64QAM	8	0	21.25	21.41	21.36				
3	64QAM	8	4	21.24	21.35	21.15				
3	64QAM	8	7	21.17	21.27	21.27				
3	64QAM	15	0	21.08	21.38	21.17	22.5	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.34	24.47	24.43	25.5	0		
1.4	QPSK	1	3	24.30	24.41	24.37				
1.4	QPSK	1	5	24.31	24.48	24.46				
1.4	QPSK	3	0	24.35	24.47	24.43				
1.4	QPSK	3	1	24.36	24.41	24.36				
1.4	QPSK	3	3	24.20	24.45	24.23	24.5	1		
1.4	QPSK	6	0	23.42	23.50	23.41				
1.4	16QAM	1	0	23.39	23.39	23.35				
1.4	16QAM	1	3	23.21	23.40	23.35				
1.4	16QAM	1	5	23.39	23.39	23.32				
1.4	16QAM	3	0	23.72	23.76	23.70	24.5	1		
1.4	16QAM	3	1	23.66	23.57	23.54				
1.4	16QAM	3	3	23.62	23.67	23.63				
1.4	16QAM	6	0	22.24	22.46	22.36				
1.4	64QAM	1	0	22.28	22.36	22.26				
1.4	64QAM	1	3	22.29	22.36	22.28	23.5	2		
1.4	64QAM	1	5	22.26	22.38	22.23				
1.4	64QAM	3	0	22.46	22.60	22.44				
1.4	64QAM	3	1	22.41	22.61	22.45				
1.4	64QAM	3	3	22.39	22.60	22.34				
1.4	64QAM	6	0	21.26	21.34	21.29	22.5	3		

Band 13 Main PA Ant0 DS10												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23200	23250	23300						
Frequency (MHz)				782	782	782						
10	QPSK	1	0	24.64	24.56	24.50	25.5	0				
10	QPSK	1	25	24.59		24.50						
10	QPSK	1	49	24.52		24.52						
10	QPSK	25	0	23.74	23.67	23.79						
10	QPSK	25	12	23.91		23.91						
10	QPSK	25	25	23.77		23.77	24.5	1				
10	QPSK	50	0	23.70	23.57	23.67						
10	16QAM	1	0	23.86		23.86						
10	16QAM	1	25	23.81		23.81						
10	16QAM	1	49	23.78		23.78						
10	16QAM	25	0	22.77		22.77	23.5	2				
10	16QAM	25	12	22.92		22.92						
10	16QAM	25	25	22.71		22.71						
10	16QAM	50	0	22.88		22.88						
10	64QAM	1	0	23.08		23.08						
10	64QAM	1	25	22.99		22.99	23.5	2				
10	64QAM	1	49	22.94		22.94						
10	64QAM	25	0	21.60		21.60						
10	64QAM	25	12	21.89		21.89						
10	64QAM	25	25	21.61		21.61						
10	64QAM	50	0	21.80		21.80	22.5	3				
Channel				23205	23255	23305						
Frequency (MHz)				779.5	782	784.5						
5	QPSK	1	0	24.51	24.59	24.54			25.5	0		
5	QPSK	1	12	24.31	24.45	24.40						
5	QPSK	1	24	24.26	24.38	24.33						
5	QPSK	12	0	23.74	23.87	23.79						
5	QPSK	12	7	23.69	23.87	23.70						
5	QPSK	12	13	23.56	23.68	23.64	24.5	1				
5	QPSK	25	0	23.65	23.72	23.73						
5	16QAM	1	0	23.70	23.82	23.69						
5	16QAM	1	12	23.64	23.72	23.60						
5	16QAM	1	24	23.58	23.72	23.63						
5	16QAM	12	0	22.58	22.71	22.62	23.5	2				
5	16QAM	12	7	22.73	22.82	22.76						
5	16QAM	12	13	22.54	22.61	22.58						
5	16QAM	25	0	22.70	22.82	22.76						
5	84QAM	1	0	23.00	23.04	22.93						
5	84QAM	1	12	22.82	22.92	22.82	23.5	2				
5	84QAM	1	24	22.72	22.86	22.77						
5	84QAM	12	0	21.42	21.47	21.34						
5	84QAM	12	7	21.89	21.74	21.82						
5	84QAM	12	13	21.45	21.54	21.43						
5	84QAM	25	0	21.70	21.74	21.63	22.5	3				

GSM850 Ant1 DS10						
GSM850		Burst Average Power (dBm)		Tune-up	Frame-Average Power (dBm)	
TX Channel		128	189	251	128	189
Frequency (MHz)		124.2	137.4	141.1	124.2	137.4
GSM 1 Tx slot		30.38	30.40	30.35	32.00	21.33
GPRS 1 Tx slot		30.33	30.46	30.40	32.00	21.33
GPRS 2 Tx slots		27.55	27.49	27.50	29.00	21.55
GPRS 3 Tx slots		25.86	25.73	25.70	27.00	21.40
GPRS 4 Tx slots		24.02	24.28	24.15	20.00	21.22
EDGE 1 Tx slot		24.55	24.60	24.36	26.00	15.55
EDGE 2 Tx slots		21.58	21.54	21.52	23.00	15.56
EDGE 3 Tx slots		19.86	19.83	19.76	21.20	15.42
EDGE 4 Tx slots		18.41	18.60	18.49	20.00	15.41

GSM1900 Ant1 DS10						
GSM1900		Burst Average Power (dBm)		Tune-up	Frame-Average Power (dBm)	
TX Channel		512	661	810	512	661
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot		24.13	24.24	24.17	26.00	15.13
GPRS 1 Tx slot		24.17	24.21	24.19	26.00	15.17
GPRS 2 Tx slots		21.24	21.28	21.23	23.00	15.24
GPRS 3 Tx slots		19.93	19.95	19.91	21.20	15.67
GPRS 4 Tx slots		18.37	18.54	18.35	20.00	15.37
EDGE 1 Tx slot		20.84	20.82	20.76	22.00	11.84
EDGE 2 Tx slots		17.91	18.02	17.89	19.00	11.91
EDGE 3 Tx slots		15.91	16.01	15.87	17.20	11.65
EDGE 4 Tx slots		15.24	15.23	15.22	16.00	12.24

WCDMA E Ant1 DS10						
Band		WCDMA E		Tune-up	WCDMA V	
TX Channel		9262	9400	9538	1312	1413
Rx Channel		9662	9800	9938	1537	1638
Frequency (MHz)		1850.2	1880	1909.8	1712.4	1739.8
3GPP Rel 99	AMR 12.2Kbps	15.57	15.60	15.52	17.54	17.57
3GPP Rel 99	RM-C 12.2Kbps	15.56	15.65	15.58	17.63	17.67
3GPP Rel 6	HSDPA Subtest-1	14.71	14.69	14.66	16.60	16.75
3GPP Rel 6	HSDPA Subtest-2	14.65	14.67	14.59	16.60	16.62
3GPP Rel 6	HSDPA Subtest-3	14.11	14.17	14.20	16.00	16.11
3GPP Rel 6	HSDPA Subtest-4	14.15	14.18	14.16	16.00	16.03
3GPP Rel 6	DC-HSDPA Subtest-1	14.66	14.68	14.68	16.53	16.64
3GPP Rel 6	DC-HSDPA Subtest-2	14.65	14.67	14.67	16.51	16.67
3GPP Rel 6	DC-HSDPA Subtest-3	14.08	14.19	14.20	16.00	16.14
3GPP Rel 6	DC-HSDPA Subtest-4	14.21	14.27	14.14	16.00	16.11
3GPP Rel 6	HSUPA Subtest-1	14.78	14.67	14.58	16.59	16.67
3GPP Rel 6	HSUPA Subtest-2	12.87	12.83	12.87	14.67	14.73
3GPP Rel 6	HSUPA Subtest-3	13.70	13.71	13.77	15.50	15.78
3GPP Rel 6	HSUPA Subtest-4	12.88	12.83	12.81	14.50	14.68
3GPP Rel 6	HSUPA Subtest-5	14.80	14.65	14.72	16.50	16.71
3GPP Rel 7	HSPA+ (100AM) Subtest-1	12.26	12.35	12.24	14.00	14.19

Band 41 Main PA Ant1 DSI0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	19.79	19.83	19.93	19.76	19.88	20.5	0	
20	QPSK	1	49	19.75	19.87	19.91	19.90	19.60			
20	QPSK	1	99	19.73	19.81	19.90	19.78	19.71			
20	QPSK	50	0	19.45	19.54	19.77	19.44	19.61			
20	QPSK	50	24	19.48	19.46	19.61	19.57	19.43	20.5	0	
20	QPSK	50	50	19.44	19.61	19.64	19.45	19.44			
20	QPSK	100	0	19.47	19.47	19.63	19.43	19.55			
20	16QAM	1	0	19.65	19.59	19.61	19.63	19.55			
20	16QAM	1	49	19.40	19.35	19.63	19.50	19.46	20.5	0	
20	16QAM	1	99	19.56	19.66	19.80	19.68	19.53			
20	16QAM	50	0	19.53	19.68	19.56	19.62	19.59			
20	16QAM	50	24	19.37	19.55	19.52	19.40	19.53			
20	16QAM	50	50	19.58	19.47	19.73	19.60	19.52	20.5	0	
20	16QAM	100	0	19.54	19.39	19.59	19.44	19.46			
20	64QAM	1	0	19.05	19.23	19.21	19.18	19.25			
20	64QAM	1	49	19.07	19.20	19.35	19.13	19.11			
20	64QAM	1	99	19.10	18.98	19.31	19.14	18.94	20.5	0	
20	64QAM	50	0	19.56	19.30	19.49	19.44	19.58			
20	64QAM	50	24	19.29	19.36	19.39	19.26	19.30			
20	64QAM	50	50	19.44	19.31	19.41	19.50	19.29			
20	64QAM	100	0	19.16	19.13	19.30	19.17	19.21	Tune-up limit (dbm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	0	19.54	19.50	19.57	19.45	19.64			
15	QPSK	1	37	19.59	19.62	19.77	19.64	19.39	21	0	
15	QPSK	1	74	19.59	19.65	19.67	19.47	19.53			
15	QPSK	36	0	19.09	19.27	19.46	19.19	19.16			
15	QPSK	36	20	19.15	19.27	19.44	19.29	19.19			
15	QPSK	36	39	19.22	19.41	19.29	19.15	19.17	20.5	0	
15	QPSK	75	0	19.24	19.24	19.26	19.22	19.24			
15	16QAM	1	0	19.30	19.45	19.47	19.44	19.38			
15	16QAM	1	37	19.14	19.15	19.44	19.24	19.21			
15	16QAM	1	74	19.22	19.29	19.48	19.40	19.15	20.5	0	
15	16QAM	36	0	19.26	19.40	19.23	19.47	19.26			
15	16QAM	36	20	19.02	19.26	19.36	19.15	19.23			
15	16QAM	36	39	19.32	19.26	19.37	19.34	19.29			
15	16QAM	75	0	19.18	19.42	19.47	19.06	19.39	20.5	0	
15	64QAM	1	0	18.70	19.02	18.97	18.90	19.07			
15	64QAM	1	37	18.80	18.99	19.07	18.95	18.82			
15	64QAM	1	74	18.93	18.74	19.06	18.87	18.67			
15	64QAM	36	0	19.22	19.05	19.34	19.13	19.41	20.5	0	
15	64QAM	36	20	19.06	19.14	19.13	18.92	18.97			
15	64QAM	36	39	19.12	19.03	19.10	19.14	19.11			
15	64QAM	75	0	19.01	18.82	19.06	19.02	18.95			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	19.48	19.55	19.75	19.60	19.53	21	0	
10	QPSK	1	25	19.49	19.70	19.60	19.53	19.29			
10	QPSK	1	49	19.44	19.47	19.62	19.59	19.41			
10	QPSK	25	0	19.11	19.27	19.54	19.26	19.13			
10	QPSK	25	12	19.15	19.14	19.26	19.32	19.08	20.5	0	
10	QPSK	25	25	19.29	19.30	19.43	19.09	19.27			
10	QPSK	50	0	19.22	19.31	19.16	19.12	19.16			
10	16QAM	1	0	19.37	19.44	19.43	19.26	19.34			
10	16QAM	1	25	19.24	19.19	19.31	19.27	19.17	20.5	0	
10	16QAM	1	49	19.37	19.51	19.42	19.51	19.34			
10	16QAM	25	0	19.18	19.46	19.37	19.28	19.23			
10	16QAM	25	12	19.22	19.30	19.26	19.05	19.24			
10	16QAM	25	25	19.30	19.10	19.44	19.40	19.34	20.5	0	
10	16QAM	50	0	19.24	19.23	19.36	19.17	19.23			
10	64QAM	1	0	18.89	18.94	18.99	18.82	18.89			
10	64QAM	1	25	18.85	18.85	19.05	18.90	18.83			
10	64QAM	1	49	18.79	18.75	19.03	18.89	18.69	20.5	0	
10	64QAM	25	0	19.37	19.94	19.33	19.11	19.24			
10	64QAM	25	12	18.93	19.06	19.15	19.02	19.02			
10	64QAM	25	25	19.15	18.93	19.16	19.15	18.97			
10	64QAM	50	0	18.99	18.85	19.00	18.97	19.06	Tune-up limit (dbm)	MPR (dB)	
Channel				39675	40148	40620	41093	41555			
Frequency (MHz)				2498.5	2544.8	2593	2640.0	2687.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	19.59	19.63	19.62	19.41	19.61			
5	QPSK	1	12	19.59	19.50	19.63	19.53	19.45	21	0	
5	QPSK	1	24	19.53	19.60	19.72	19.45	19.45			
5	QPSK	12	0	19.11	19.34	19.47	19.22	19.19			
5	QPSK	12	7	19.31	19.19	19.46	19.19	19.05	20.5	0	
5	QPSK	12	13	19.28	19.33	19.35	19.25	19.10			
5	QPSK	25	0	19.12	19.31	19.34	19.12	19.25			
5	16QAM	1	0	19.34	19.22	19.47	19.30	19.28			
5	16QAM	1	12	19.17	19.19	19.43	19.35	19.12	20.5	0	
5	16QAM	1	24	19.36	19.30	19.55	19.34	19.27			
5	16QAM	12	0	19.33	19.39	19.34	19.33	19.29			
5	16QAM	12	7	19.16	19.23	19.23	19.13	19.29			
5	16QAM	12	13	19.36	19.20	19.45	19.27	19.35	20.5	0	
5	16QAM	25	0	19.35	19.39	19.29	19.09	19.37			
5	64QAM	1	0	18.90	18.98	19.02	18.94	19.07			
5	64QAM	1	12	18.79	19.04	19.05	18.77	18.80			
5	64QAM	1	24	18.74	18.92	18.94	18.83	18.76	20.5	0	
5	64QAM	12	0	19.38	19.07	19.35	19.23	19.34			
5	64QAM	12	7	19.09	18.99	19.18	19.05	19.05			
5	64QAM	12	13	19.06	19.04	19.15	19.15	19.00			
5	64QAM	25	0	18.78	18.82	18.97	18.91	18.86	Tune-up limit (dbm)	MPR (dB)	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	0	19.54	19.50	19.57	19.45	19.64			
15	QPSK	1	37	19.59	19.62	19.77	19.64	19.39	21	0	
15	QPSK	1	74	19.59	19.65	19.67	19.47	19.53			
15	QPSK	36	0	19.09	19.27	19.46	19.19	19.16			
15	QPSK	36	20	19.15	19.27	19.44	19.29	19.19			
15	QPSK	36	39	19.22	19.41	19.29	19.15	19.17	20.5	0	
15	QPSK	75	0	19.24	19.24	19.26	19.22	19.24			
15	16QAM	1	0	19.30	19.45	19.47	19.44	19.38			
15	16QAM	1	37	19.14	19.15	19.44	19.24	19.21			
15	16QAM	1	74	19.22	19.29	19.48	19.40	19.15	20.5	0	
15	16QAM	36	0	19.26	19.40	19.23	19.47	19.26			
15	16QAM	36	20	19.02	19.26	19.36	19.15	19.23			
15	16QAM	36	39	19.32	19.26	19.37	19.34	19.29			
15	16QAM	75	0	19.18	19.42	19.47	19.06	19.39	20.5	0	
15	64QAM	1	0	18.70	19.02	18.97	18.90	19.07			
15	64QAM	1	37	18.80	18.99	19.07	18.95	18.82			
15	64QAM	1	74	18.93	18.74	19.06	18.87	18.67			
15	64QAM	36	0	19.22	19.05	19.34	19.13	19.41	20.5	0	
15	64QAM	36	20	19.06	19.14	19.13	18.92	18.97			
15	64QAM	36	39	19.12	19.03	19.10	19.14	19.11			
15	64QAM	75	0	19.01	18.82	19.06	19.02	18.95			

GSM1900 AnI2 DS0								
GSM1900	Burst Average Power (dBm)			Tuneup Limit	Frame-Average Power (dBm)			
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1850.8	(dBm)	1852.2	1850	1850.8	
GSM 1 Tx slot	29.93	29.95	29.93	31.00	20.89	20.96	20.93	22.00
GPRS 1 Tx slot	29.92	30.01	29.95	31.00	20.92	21.01	20.95	22.00
GPRS 2 Tx slots	27.08	27.11	27.03	28.00	21.08	21.11	21.03	22.00
GPRS 3 Tx slots	25.21	25.34	25.26	26.20	20.95	21.08	21.00	21.84
GPRS 4 Tx slots	23.92	24.02	23.90	25.00	20.92	21.02	20.90	22.00
EDGE 1 Tx slot	26.15	26.26	26.18	27.00	17.15	17.26	17.18	18.00
EDGE 2 Tx slots	23.36	23.44	23.35	24.00	17.36	17.44	17.35	18.00
EDGE 3 Tx slots	21.53	21.56	21.50	22.20	17.27	17.30	17.24	17.84
EDGE 4 Tx slots	20.54	20.68	20.60	21.00	17.54	17.68	17.60	18.00

WCDMA II AnI2 DS0				WCDMA IV AnI2 DS0			
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV		
	5262	5400	5538		1312	1413	1513
Rx Channel	5262	5400	5538	Limit	1312	1413	1513
Frequency (MHz)	1852.4	1880	1907.6	(dBm)	1712.4	1732.6	1752.8
3GPP Rel 99	23.47	23.56	23.53	25.00	23.43	23.55	23.49
3GPP Rel 99	23.50	23.61	23.58	25.00	23.50	23.57	23.52
3GPP Rel 6	22.48	22.69	22.63	24.00	22.52	22.68	22.59
3GPP Rel 6	22.54	22.53	22.56	24.00	22.57	22.60	22.55
3GPP Rel 6	22.09	22.11	22.02	23.50	22.07	22.16	22.02
3GPP Rel 6	22.00	22.02	22.00	23.50	21.94	22.01	22.03
3GPP Rel 6	22.56	22.53	22.57	24.00	22.54	22.59	22.50
3GPP Rel 6	22.48	22.55	22.46	24.00	22.47	22.55	22.43
3GPP Rel 8	21.86	22.05	21.93	23.50	21.94	22.08	21.93
3GPP Rel 8	21.90	22.02	21.96	23.50	21.82	21.96	21.93
3GPP Rel 6	22.34	22.47	22.50	24.00	22.41	22.49	22.50
3GPP Rel 6	20.56	20.65	20.56	22.00	20.56	20.64	20.57
3GPP Rel 6	21.62	21.71	21.68	23.00	21.62	21.63	21.60
3GPP Rel 6	20.46	20.50	20.51	22.30	20.46	20.59	20.42
3GPP Rel 6	22.39	22.60	22.42	24.00	22.40	22.59	22.45
3GPP Rel 7	20.07	20.14	20.08	21.50	20.11	20.21	20.06

Band 2 Main PA Ant2 DSI0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.54	23.60	23.47	24	0	24	1
20	QPSK	1	49	23.40	23.48	23.35				
20	QPSK	1	99	23.40	23.47	23.45				
20	QPSK	50	0	22.64	22.70	22.72				
20	QPSK	50	24	22.57	22.60	22.55	24	1	24	1
20	QPSK	50	50	22.52	22.66	22.59				
20	QPSK	100	0	22.62	22.72	22.71				
20	16QAM	100	0	22.91	22.95	22.99				
20	16QAM	1	49	22.67	22.73	22.81	24	1	24	1
20	16QAM	1	99	22.80	22.89	22.82				
20	16QAM	1	99	21.80	21.79	21.82				
20	16QAM	50	24	21.57	21.72	21.57				
20	16QAM	50	50	21.67	21.74	21.81	23	2	23	2
20	16QAM	100	0	21.65	21.73	21.81				
20	64QAM	1	0	21.81	21.94	21.84				
20	64QAM	1	49	21.78	21.88	21.75				
20	64QAM	1	99	21.81	21.90	21.83	22	3	22	3
20	64QAM	50	0	20.75	20.79	20.75				
20	64QAM	50	24	20.58	20.70	20.61				
20	64QAM	50	50	20.59	20.67	20.55				
20	64QAM	100	0	20.59	20.69	20.55	22	3	22	3
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.43	23.49	23.40	25	0	25	0
15	QPSK	1	37	23.36	23.37	23.34				
15	QPSK	1	74	23.30	23.42	23.30				
15	QPSK	36	0	22.58	22.69	22.68				
15	QPSK	36	20	22.48	22.60	22.48	24	1	24	1
15	QPSK	36	36	22.46	22.67	22.46				
15	QPSK	75	0	22.57	22.60	22.59				
15	16QAM	1	0	22.84	22.91	22.77				
15	16QAM	1	37	22.96	22.87	22.89	24	1	24	1
15	16QAM	1	74	22.68	22.81	22.68				
15	16QAM	36	0	21.57	21.59	21.48				
15	16QAM	36	20	21.46	21.58	21.50				
15	16QAM	36	36	21.59	21.60	21.47	23	2	23	2
15	16QAM	75	0	21.53	21.61	21.59				
15	64QAM	1	0	21.72	21.84	21.77				
15	64QAM	1	37	21.63	21.82	21.64				
15	64QAM	1	74	21.72	21.79	21.72	22	3	22	3
15	64QAM	36	0	20.71	20.84	20.81				
15	64QAM	36	20	20.49	20.58	20.47				
15	64QAM	36	36	20.58	20.67	20.50				
15	64QAM	75	0	20.49	20.60	20.46	22	3	22	3
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.51	23.55	23.36	25	0	25	0
10	QPSK	1	25	23.34	23.41	23.35				
10	QPSK	1	49	23.20	23.42	23.31				
10	QPSK	25	0	22.50	22.66	22.56				
10	QPSK	25	12	22.44	22.65	22.46	24	1	24	1
10	QPSK	25	25	22.48	22.63	22.47				
10	QPSK	50	0	22.53	22.65	22.61				
10	16QAM	1	0	22.84	22.84	22.78				
10	16QAM	1	25	22.53	22.69	22.52	24	1	24	1
10	16QAM	1	49	22.76	22.79	22.73				
10	16QAM	25	0	21.52	21.64	21.51				
10	16QAM	25	12	21.49	21.68	21.43				
10	16QAM	25	25	21.58	21.68	21.50	23	2	23	2
10	16QAM	50	0	21.55	21.63	21.51				
10	16QAM	50	25	21.75	21.74	21.73				
10	64QAM	1	49	21.66	21.85	21.77				
10	64QAM	25	0	20.58	20.72	20.58	22	3	22	3
10	64QAM	25	12	20.44	20.58	20.50				
10	64QAM	25	25	20.63	20.63	20.46				
10	64QAM	50	0	20.46	20.58	20.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.41	23.53	23.39	25	0	25	0
5	QPSK	1	12	23.36	23.39	23.32				
5	QPSK	1	24	23.32	23.36	23.32				
5	QPSK	12	0	22.59	22.67	22.62				
5	QPSK	12	7	22.54	22.54	22.44	24	1	24	1
5	QPSK	12	13	22.42	22.54	22.54				
5	QPSK	25	0	22.48	22.70	22.57				
5	16QAM	1	0	22.83	22.86	22.84				
5	16QAM	1	12	22.59	22.64	22.56	24	1	24	1
5	16QAM	1	24	22.77	22.77	22.77				
5	16QAM	12	0	21.54	21.63	21.58				
5	16QAM	12	7	21.45	21.60	21.45				
5	16QAM	12	13	21.46	21.68	21.48	23	2	23	2
5	16QAM	25	0	21.53	21.64	21.52				
5	64QAM	1	0	21.86	21.88	21.75				
5	64QAM	1	12	21.76	21.79	21.76				
5	64QAM	1	24	21.74	21.82	21.80	22	3	22	3
5	64QAM	12	0	20.61	20.74	20.69				
5	64QAM	12	12	20.52	20.65	20.64				
5	64QAM	12	13	20.53	20.54	20.43				
5	64QAM	25	0	20.66	20.67	20.41	22	3	22	3
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.47	23.55	23.38	25	0	25	0
3	QPSK	1	8	23.40	23.39	23.38				
3	QPSK	1	14	23.34	23.37	23.33				
3	QPSK	8	0	22.57	22.62	22.68				
3	QPSK	8	4	22.44	22.60	22.49	24	1	24	1
3	QPSK	8	7	22.37	22.58	22.53				
3	QPSK	15	0	22.59	22.69	22.64				
3	16QAM	1	0	22.83	22.88	22.78				
3	16QAM	1	8	22.63	22.61	22.48	24	1	24	1
3	16QAM	1	14	22.73	22.76	22.72				
3	16QAM	8	4	21.46	21.68	21.48				
3	16QAM	8	7	21.42	21.58	21.47				
3	16QAM	15	0	21.52	21.68	21.38	23	2	23	2
3	64QAM	1	0	21.75	21.82	21.76				
3	64QAM	1	8	21.69	21.74	21.73				
3	64QAM	1	14	21.72	21.84	21.71				
3	64QAM	8	4	20.64	20.67	20.71	22	3	22	3
3	64QAM	8	4	20.47	20.56	20.48				
3	64QAM	8	7	20.53	20.63	20.50				
3	64QAM	15	0	20.47	20.55	20.40				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.46	23.52	23.41	25	0	25	0
1.4	QPSK	1	3	23.33	23.40	23.35				
1.4	QPSK	1	5	23.20	23.30	23.21	24	1	24	1
1.4	QPSK	1	8	23.14	23.48	23.38				
1.4	QPSK	1	3	23.36	23.44	23.36	23	2	23	2
1.4	QPSK	1	5	23.24	23.34	23.25				
1.4	QPSK	6	0	22.57	22.69	22.57	24	1	24	1
1.4	QPSK	6	0	22.49	22.55	22.49				
1.4	QPSK	6	3	22.48	22.55	22.48	23	2	23	2
1.4	QPSK	6	3	22.52	22.71	22.54				
1.4	QPSK	3	0	22.82	22.85	22.80	24	1	24	1
1.4	QPSK	3	0	22.83	22.88	22.83				
1.4	QPSK	3	3	22.68	22.75	22.68	23	2	23	2
1.4	QPSK	3	3	22.68	22.86	22.77				
1.4	QPSK	6	0	21.49	21.58	21.54	24	1	24	1
1.4	QPSK	6	0	21.46	21.64	21.43				
1.4	QPSK	1	0	21.82	21.81	21.82	23	2	23	2
1.4	QPSK	1	0	21.53	21.66	21.52				
1.4	QPSK	1	3	21.74	21.85	21.73	22	3	22	3
1.4	QPSK	1	3	21.66	21.78	21.72				
1.4	QPSK	3	0	21.66	21.78	21.78	22	3	22	3
1.4	QPSK	3	0	21.70	21.82	21.70				

Band 41 Main PA Ant3 DS10											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.65	20.69	20.80	20.75	20.73	22	0	
20	QPSK	1	49	20.55	20.54	20.71	20.52	20.58			
20	QPSK	1	99	20.66	20.47	20.57	20.69	20.53	22	0	
20	QPSK	50	0	20.60	20.64	20.75	20.55	20.68			
20	QPSK	50	24	20.47	20.56	20.75	20.64	20.54	22	0	
20	QPSK	50	50	20.53	20.37	20.46	20.49	20.33			
20	QPSK	100	0	20.55	20.56	20.69	20.34	20.42	22	0	
20	16QAM	1	0	20.41	20.42	20.44	20.51	20.27			
20	16QAM	1	49	20.45	20.30	20.60	20.40	20.25	22	0	
20	16QAM	1	99	20.50	20.38	20.38	20.46	20.29			
20	16QAM	50	0	20.63	20.73	20.76	20.79	20.62	22	0	
20	16QAM	50	24	20.52	20.55	20.62	20.60	20.53			
20	16QAM	50	50	20.62	20.56	20.72	20.68	20.62	22	0	
20	16QAM	100	0	20.54	20.33	20.65	20.51	20.43			
20	64QAM	1	0	20.36	20.35	20.53	20.34	20.34	22	0	
20	64QAM	1	49	20.18	20.32	20.32	20.29	20.22			
20	64QAM	1	99	20.28	20.19	20.40	20.31	20.33	21.5	0.5	
20	64QAM	50	0	20.18	20.12	20.25	20.20	20.07			
20	64QAM	50	24	20.08	20.08	20.21	20.11	20.06			
20	64QAM	50	50	20.16	20.27	20.26	20.15	20.16	22	0	
20	64QAM	100	0	20.07	20.03	20.11	20.16	19.98			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2546.3	2593	2637.5	2682.5			
15	QPSK	1	0	20.53	20.59	20.74	20.71	20.69	22	0	
15	QPSK	1	37	20.46	20.45	20.62	20.44	20.51			
15	QPSK	1	74	20.55	20.44	20.47	20.56	20.50	22	0	
15	QPSK	36	0	20.49	20.60	20.66	20.44	20.57			
15	QPSK	36	20	20.43	20.48	20.69	20.53	20.46	22	0	
15	QPSK	36	39	20.45	20.27	20.35	20.45	20.21			
15	QPSK	75	0	20.52	20.47	20.58	20.22	20.31	22	0	
15	16QAM	1	0	20.31	20.32	20.39	20.43	20.14			
15	16QAM	1	37	20.34	20.17	20.49	20.36	20.11	22	0	
15	16QAM	1	74	20.41	20.32	20.29	20.40	20.16			
15	16QAM	36	0	20.57	20.69	20.63	20.69	20.56	22	0	
15	16QAM	36	20	20.39	20.43	20.52	20.50	20.41			
15	16QAM	36	39	20.46	20.48	20.67	20.65	20.58	22	0	
15	16QAM	75	0	20.44	20.56	20.55	20.48	20.36			
15	64QAM	1	0	20.25	20.24	20.44	20.21	20.28	22	0	
15	64QAM	1	37	20.12	20.24	20.23	20.26	20.19			
15	64QAM	1	74	20.23	20.13	20.36	20.25	20.28	21.5	0.5	
15	64QAM	36	0	20.06	20.05	20.17	20.08	20.02			
15	64QAM	36	20	20.02	20.01	20.17	19.97	20.00	22	0	
15	64QAM	36	39	20.04	20.16	20.18	20.09	20.06			
15	64QAM	75	0	19.99	19.94	20.01	20.10	19.87	22	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.61	20.59	20.74	20.63	20.67			
10	QPSK	1	25	20.45	20.40	20.60	20.47	20.46	22	0	
10	QPSK	1	49	20.57	20.44	20.53	20.58	20.49			
10	QPSK	25	0	20.50	20.62	20.60	20.52	20.57	22	0	
10	QPSK	25	12	20.34	20.45	20.70	20.55	20.51			
10	QPSK	25	25	20.43	20.31	20.37	20.45	20.25	22	0	
10	QPSK	50	0	20.45	20.45	20.59	20.21	20.40			
10	16QAM	1	0	20.36	20.35	20.32	20.46	20.18	22	0	
10	16QAM	1	25	20.33	20.16	20.55	20.38	20.20			
10	16QAM	1	49	20.36	20.27	20.32	20.41	20.15	22	0	
10	16QAM	25	0	20.57	20.70	20.73	20.67	20.56			
10	16QAM	25	12	20.38	20.46	20.51	20.55	20.41	22	0	
10	16QAM	25	25	20.55	20.50	20.65	20.63	20.55			
10	16QAM	50	0	20.44	20.53	20.57	20.46	20.40	22	0	
10	64QAM	1	0	20.33	20.25	20.41	20.22	20.24			
10	64QAM	1	25	20.16	20.25	20.19	20.20	20.19	22	0	
10	64QAM	1	49	20.15	20.06	20.27	20.18	20.28			
10	64QAM	25	0	20.09	20.07	20.14	20.09	20.01	21.5	0.5	
10	64QAM	25	12	20.02	19.99	20.17	19.96	19.98			
10	64QAM	25	25	20.04	20.19	20.13	20.00	20.04	22	0	
10	64QAM	50	0	20.00	19.92	20.02	20.02	19.88			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5			
5	QPSK	1	0	20.52	20.57	20.66	20.69	20.67	22	0	
5	QPSK	1	12	20.48	20.44	20.64	20.44	20.54			
5	QPSK	1	24	20.62	20.40	20.45	20.59	20.42	22	0	
5	QPSK	12	0	20.55	20.51	20.62	20.51	20.61			
5	QPSK	12	7	20.36	20.44	20.66	20.55	20.43	22	0	
5	QPSK	12	13	20.47	20.33	20.38	20.41	20.28			
5	QPSK	25	0	20.51	20.43	20.56	20.26	20.32	22	0	
5	16QAM	1	0	20.34	20.37	20.38	20.37	20.19			
5	16QAM	1	12	20.42	20.25	20.57	20.37	20.12	22	0	
5	16QAM	1	24	20.45	20.33	20.22	20.39	20.23			
5	16QAM	12	0	20.54	20.06	20.63	20.75	20.51	22	0	
5	16QAM	12	7	20.41	20.44	20.59	20.51	20.43			
5	16QAM	12	13	20.48	20.49	20.66	20.56	20.59	22	0	
5	16QAM	25	0	20.45	20.56	20.61	20.45	20.38			
5	64QAM	1	0	20.23	20.31	20.41	20.29	20.21	22	0	
5	64QAM	1	12	20.11	20.22	20.22	20.27	20.19			
5	64QAM	1	24	20.21	20.12	20.26	20.17	20.24	21.5	0.5	
5	64QAM	12	0	20.08	20.01	20.11	20.11	20.02			
5	64QAM	12	7	20.04	19.97	20.13	19.97	19.95	22	0	
5	64QAM	12	13	20.09	20.18	20.20	20.03	20.07			
5	64QAM	25	0	19.97	19.95	20.08	20.08	19.89	22	0	
Channel				39650	40148	40620	41093	41565			
Frequency (MHz)				2496.5	2545.8	2593	2640.3	2687.5			

Band 2 Main PA Ant4 DS10															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPE (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	22.21	22.34	22.29	23.5	0							
20	QPSK	1	49	22.26	22.36	22.31									
20	QPSK	1	99	22.13	22.23	22.18	23.5	0							
20	QPSK	50	0	22.27	22.38	22.25									
20	QPSK	50	24	22.15	22.27	22.11	23.5	0							
20	QPSK	50	50	22.09	22.15	22.12									
20	QPSK	100	0	22.23	22.35	22.20	23.5	0							
20	16QAM	100	0	22.24	22.37	22.24									
20	16QAM	1	49	22.10	22.15	22.10	23.5	0							
20	16QAM	1	99	22.10	22.15	22.10									
20	16QAM	1	99	21.35	21.45	21.38	22.5	1							
20	16QAM	50	24	21.17	21.32	21.27									
20	16QAM	50	50	21.29	21.35	21.25	22.5	1							
20	16QAM	100	0	21.24	21.40	21.27									
20	64QAM	1	0	21.39	21.52	21.41	22.5	1							
20	64QAM	1	49	21.43	21.46	21.39									
20	64QAM	1	99	21.36	21.45	21.31	21.5	2							
20	64QAM	50	24	20.43	20.47	20.41									
20	64QAM	50	50	20.38	20.38	20.31	21.5	2							
20	64QAM	100	0	20.22	20.35	20.30									
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.12	22.25	22.21	23.5		0						
15	QPSK	1	37	22.19	22.17	22.06									
15	QPSK	1	74	21.99	22.16	22.06	23.5	0							
15	QPSK	36	0	22.16	22.17	22.06									
15	QPSK	36	20	22.08	22.22	22.04	23.5	0							
15	QPSK	36	39	22.01	22.04	22.02									
15	QPSK	75	0	22.09	22.15	22.06	23.5	0							
15	16QAM	1	0	22.09	22.25	22.14									
15	16QAM	1	37	22.03	22.18	22.01	22.5	0							
15	16QAM	1	74	21.98	22.00	22.02									
15	16QAM	36	0	21.20	21.35	21.16	22.5	1							
15	16QAM	36	20	21.13	21.26	21.12									
15	16QAM	36	39	21.14	21.27	21.13	22.5	1							
15	16QAM	75	0	21.19	21.25	21.07									
15	64QAM	1	0	21.35	21.46	21.28	22.5	1							
15	64QAM	1	37	21.38	21.37	21.25									
15	64QAM	1	74	21.28	21.35	21.23	21.5	2							
15	64QAM	36	0	20.36	20.35	20.33									
15	64QAM	36	20	20.18	20.24	20.20	21.5	2							
15	64QAM	36	39	20.25	20.32	20.26									
15	64QAM	75	0	20.12	20.21	20.15									
Channel															
Frequency (MHz)															
10	QPSK	1	0	22.15	22.17	22.22	23.5	0							
10	QPSK	1	25	22.21	22.18	22.06									
10	QPSK	1	49	21.99	22.17	22.06	23.5	0							
10	QPSK	25	0	22.13	22.15	22.09									
10	QPSK	25	12	22.03	22.23	22.07	23.5	0							
10	QPSK	25	25	22.00	22.07	22.03									
10	QPSK	50	0	22.10	22.15	22.03	23.5	0							
10	16QAM	1	0	22.14	22.25	22.10									
10	16QAM	1	25	22.05	22.15	22.01	23.5	0							
10	16QAM	1	49	21.99	22.05	22.04									
10	16QAM	25	12	21.09	21.23	21.15	22.5	1							
10	16QAM	25	25	21.18	21.27	21.13									
10	16QAM	50	0	21.17	21.19	21.15	22.5	1							
10	64QAM	1	0	22.06	22.15	22.02									
10	64QAM	1	25	21.37	21.43	21.32	22.5	1							
10	64QAM	1	49	21.24	21.28	21.27									
10	64QAM	25	0	20.36	20.35	20.33	21.5	2							
10	64QAM	25	12	20.18	20.23	20.25									
10	64QAM	25	25	20.26	20.38	20.29	21.5	2							
10	64QAM	50	0	20.09	20.14	20.10									
Channel															
Frequency (MHz)															
5	QPSK	1	0	22.06	22.17	22.20	23.5		0						
5	QPSK	1	12	22.12	22.18	22.05									
5	QPSK	1	24	22.02	22.17	21.99	23.5	0							
5	QPSK	12	0	22.17	22.15	22.19									
5	QPSK	12	7	22.08	22.19	21.98	23.5	0							
5	QPSK	12	13	21.99	22.06	22.05									
5	QPSK	25	0	22.13	22.16	22.12	23.5	0							
5	16QAM	1	0	22.08	22.15	22.13									
5	16QAM	1	12	22.13	22.10	22.03	22.5	0							
5	16QAM	1	24	22.00	22.07	22.01									
5	16QAM	12	0	21.20	21.25	21.15	22.5	1							
5	16QAM	12	7	21.03	21.24	21.13									
5	16QAM	12	13	21.14	21.21	21.12	22.5	1							
5	64QAM	1	0	21.26	21.40	21.30									
5	64QAM	1	12	21.37	21.45	21.34	21.5	2							
5	64QAM	1	24	21.24	21.35	21.21									
5	64QAM	12	0	20.29	20.35	20.35	21.5	2							
5	64QAM	12	7	20.17	20.35	20.26									
5	64QAM	12	13	20.25	20.31	20.33	21.5	2							
5	64QAM	25	0	20.14	20.21	20.17									
Channel															
Frequency (MHz)															
3	QPSK	1	0	22.16	22.16	22.23	23.5	0							
3	QPSK	1	8	22.14	22.19	22.02									
3	QPSK	1	14	22.06	22.15	22.06	23.5	0							
3	QPSK	8	0	22.18	22.14	22.12									
3	QPSK	8	4	22.03	22.15	21.95	23.5	0							
3	QPSK	8	7	21.96	22.07	21.88									
3	QPSK	15	0	22.11	22.21	22.06	23.5	0							
3	16QAM	1	0	22.10	22.12	22.18									
3	16QAM	1	8	22.11	22.18	22.11	22.5	0							
3	16QAM	1	14	21.95	22.10	22.11									
3	16QAM	8	0	21.21	21.34	21.17	22.5	1							
3	16QAM	8	7	21.15	21.24	21.12									
3	16QAM	15	0	21.20	21.21	21.13	22.5	1							
3	64QAM	1	0	21.29	21.45	21.33									
3	64QAM	1	8	21.28	21.39	21.36	22.5	1							
3	64QAM	1	14	21.33	21.39	21.36									
3	64QAM	8	0	20.38	20.41	20.34	21.5	2							
3	64QAM	8	4	20.20	20.34	20.24									
3	64QAM	8	7	20.28	20.33	20.29	21.5	2							
3	64QAM	15	0	20.21	20.31	20.27									
Channel															
Frequency (MHz)															
1.4	QPSK	1	0	22.17	22.22	22.20	23.5	0							
1.4	QPSK	1	8	22.14	22.22	22.08									
1.4	QPSK	1	16	22.03	22.18	22.08	23.5	0							
1.4	QPSK	3	0	22.09	22.22	22.14									
1.4	QPSK	3	8	22.11	22.25	22.04	23.5	0							
1.4	QPSK	3	16	22.06	22.14	22.06									
1.4	QPSK	6	0	22.14	22.19	22.15	23.5	0							
1.4	QPSK	6	8	22.10	22.16	22.09									
1.4	QPSK	6	16	21.95	22.10	22.01	23.5	0							
1.4	QPSK	15	0	22.09	22.15	22.11									
1.4	QPSK	3	0	22.09	22.13	22.05	23.5	0							
1.4	QPSK	3	8	22.10	22.20	22.01									
1.4	QPSK	3	16	21.98	22.20	22.14	22.5	1							
1.4	16QAM	1	0	21.21	21.28	21.21									
1.4	16QAM	1	8	21.26	21.31	21.21	22.5	1							
1.4	16QAM	1	16	21.29	21.37	21.27									
1.4	16QAM	3	0	21.29	21.47	21.27	22.5	1							
1.4	16QAM	3	8	21.36	21.39	21.29									
1.4	16QAM	3	16	21.38	21.42	21.32	21.5	2							
1.4	64QAM	1	0	20.18	20.26	20.24									

Band 42 FCC Part27Q Main PA Ant5 DS10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	20.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.06	20.17	20.01	20.5	0
20	QPSK	1	49	20.08	20.14	19.99		
20	QPSK	1	99	19.76	20.15	20.00		
20	QPSK	50	0	19.67	19.92	19.80	20.5	0
20	QPSK	50	24	19.54	19.85	19.58		
20	QPSK	50	50	19.65	19.67	19.78		
20	QPSK	100	0	19.61	19.74	19.68	20.5	0
20	16QAM	1	0	19.56	19.63	19.66		
20	16QAM	1	49	19.63	19.63	19.41		
20	16QAM	1	99	19.55	19.72	19.57	20.5	0
20	16QAM	50	0	19.85	19.82	19.87		
20	16QAM	50	24	19.71	19.87	19.70		
20	16QAM	50	50	19.71	19.96	19.81	20.5	0
20	16QAM	100	0	19.74	19.80	19.75		
20	64QAM	1	0	19.53	19.69	19.56		
20	64QAM	1	49	19.35	19.55	19.60	20.5	0
20	64QAM	1	99	19.61	19.38	19.51		
20	64QAM	50	0	19.81	19.87	19.73		
20	64QAM	50	24	19.38	19.60	19.65	20.5	0
20	64QAM	50	50	19.59	19.59	19.54		
20	64QAM	100	0	19.43	19.47	19.57		
Channel				42165	42590	43015	20.5	0
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.67	20.11	19.89	20.5	0
15	QPSK	1	37	20.03	20.11	19.91		
15	QPSK	1	74	19.64	20.08	19.87		
15	QPSK	36	0	19.58	19.85	19.68	20.5	0
15	QPSK	36	20	19.44	19.74	19.54		
15	QPSK	36	39	19.50	19.63	19.67		
15	QPSK	75	0	19.52	19.65	19.57	20.5	0
15	16QAM	1	0	19.45	19.50	19.55		
15	16QAM	1	37	19.54	19.58	19.31		
15	16QAM	1	74	19.51	19.64	19.45	20.5	0
15	16QAM	36	0	19.75	19.68	19.76		
15	16QAM	36	20	19.67	19.81	19.57		
15	16QAM	36	39	19.65	19.90	19.74	20.5	0
15	16QAM	75	0	19.69	19.72	19.62		
15	64QAM	1	0	19.45	19.56	19.50		
15	64QAM	1	37	19.22	19.47	19.57	20.5	0
15	64QAM	1	74	19.38	19.25	19.47		
15	64QAM	36	0	19.74	19.79	19.66		
15	64QAM	36	20	19.35	19.54	19.55	20.5	0
15	64QAM	36	39	19.54	19.55	19.46		
15	64QAM	75	0	19.32	19.43	19.44		
Channel				42140	42590	43040	20.5	0
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.06	20.06	19.96	20.5	0
10	QPSK	1	25	19.99	20.02	19.88		
10	QPSK	1	49	19.71	20.03	19.95		
10	QPSK	25	0	19.60	19.79	19.71	20.5	0
10	QPSK	25	12	19.51	19.74	19.51		
10	QPSK	25	25	19.44	19.56	19.65		
10	QPSK	50	0	19.56	19.66	19.62	20.5	0
10	16QAM	1	0	19.52	19.55	19.59		
10	16QAM	1	25	19.57	19.55	19.37		
10	16QAM	1	49	19.42	19.70	19.52	20.5	0
10	16QAM	25	0	19.62	19.74	19.79		
10	16QAM	25	12	19.68	19.83	19.59		
10	16QAM	25	25	19.63	19.86	19.69	20.5	0
10	16QAM	50	0	19.71	19.74	19.64		
10	64QAM	1	0	19.44	19.65	19.53		
10	64QAM	1	25	19.27	19.46	19.54	20.5	0
10	64QAM	1	49	19.39	19.27	19.46		
10	64QAM	25	0	19.71	19.79	19.62		
10	64QAM	25	12	19.33	19.48	19.54	20.5	0
10	64QAM	25	25	19.49	19.45	19.43		
10	64QAM	50	0	19.29	19.38	19.53		
Channel				42115	42590	43065	20.5	0
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.92	20.13	19.90	20.5	0
5	QPSK	1	12	20.01	20.01	19.94		
5	QPSK	1	24	19.69	20.10	19.95		
5	QPSK	12	0	19.63	19.86	19.75	20.5	0
5	QPSK	12	7	19.47	19.79	19.50		
5	QPSK	12	13	19.47	19.56	19.66		
5	QPSK	25	0	19.53	19.61	19.63	20.5	0
5	16QAM	1	0	19.53	19.57	19.59		
5	16QAM	1	12	19.50	19.53	19.38		
5	16QAM	1	24	19.52	19.62	19.50	20.5	0
5	16QAM	12	0	19.75	19.72	19.65		
5	16QAM	12	7	19.68	19.81	19.58		
5	16QAM	12	13	19.58	19.89	19.73	20.5	0
5	16QAM	25	0	19.68	19.69	19.70		
5	64QAM	1	0	19.46	19.57	19.44		
5	64QAM	1	12	19.21	19.42	19.56	20.5	0
5	64QAM	1	24	19.39	19.26	19.44		
5	64QAM	12	0	19.73	19.74	19.62		
5	64QAM	12	7	19.26	19.48	19.53	20.5	0
5	64QAM	12	13	19.53	19.51	19.44		
5	64QAM	25	0	19.30	19.44	19.55		

Band 42 FCC Part27Q Main PA Ant6 DS10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	18.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.84	17.94	17.66	18.5	0
20	QPSK	1	49	17.87	17.78	17.62		
20	QPSK	1	99	17.74	17.82	17.74		
20	QPSK	50	0	17.63	17.65	17.52	18.5	0
20	QPSK	50	24	17.55	17.56	17.36		
20	QPSK	50	50	17.47	17.57	17.44		
20	QPSK	100	0	17.50	17.62	17.32	18.5	0
20	16QAM	1	0	17.36	17.52	17.35		
20	16QAM	1	49	17.26	17.45	17.41		
20	16QAM	1	99	17.25	17.41	17.28	18.5	0
20	16QAM	50	0	17.39	17.64	17.54		
20	16QAM	50	24	17.52	17.41	17.42		
20	16QAM	50	50	17.39	17.63	17.28	18.5	0
20	16QAM	100	0	17.43	17.51	17.36		
20	64QAM	1	0	17.27	17.33	17.27		
20	64QAM	1	49	17.28	17.23	17.30	18.5	0
20	64QAM	1	99	17.01	17.28	17.04		
20	64QAM	50	0	17.61	17.62	17.40		
20	64QAM	50	24	17.26	17.46	17.44	18.5	0
20	64QAM	50	50	17.33	17.63	17.47		
20	64QAM	100	0	17.32	17.54	17.46		
Channel				42165	42590	43015	18.5	0
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	17.80	17.86	17.64	18.5	0
15	QPSK	1	37	17.77	17.66	17.61		
15	QPSK	1	74	17.55	17.66	17.68		
15	QPSK	36	0	17.61	17.46	17.40	18.5	0
15	QPSK	36	20	17.50	17.41	17.18		
15	QPSK	36	39	17.29	17.45	17.30		
15	QPSK	75	0	17.36	17.64	17.18	18.5	0
15	16QAM	1	0	17.26	17.47	17.13		
15	16QAM	1	37	17.27	17.43	17.41		
15	16QAM	1	74	17.07	17.38	17.28	18.5	0
15	16QAM	36	0	17.21	17.49	17.39		
15	16QAM	36	20	17.38	17.28	17.36		
15	16QAM	36	39	17.39	17.62	17.13	18.5	0
15	16QAM	75	0	17.33	17.52	17.30		
15	64QAM	1	0	17.29	17.15	17.28		
15	64QAM	1	37	17.18	17.04	17.23	18.5	0
15	64QAM	1	74	16.82	17.23	17.05		
15	64QAM	36	0	17.47	17.58	17.40		
15	64QAM	36	20	17.15	17.33	17.43	18.5	0
15	64QAM	36	39	17.32	17.49	17.40		
15	64QAM	75	0	17.14	17.44	17.40		
Channel				42140	42590	43040	18.5	0
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	17.61	17.74	17.59	18.5	0
10	QPSK	1	25	17.77	17.77	17.64		
10	QPSK	1	49	17.73	17.64	17.68		
10	QPSK	25	0	17.67	17.58	17.41	18.5	0
10	QPSK	25	12	17.55	17.48	17.28		
10	QPSK	25	25	17.46	17.38	17.29		
10	QPSK	50	0	17.37	17.64	17.28	18.5	0
10	16QAM	1	0	17.19	17.34	17.24		
10	16QAM	1	25	17.26	17.41	17.29		
10	16QAM	1	49	17.20	17.27	17.26	18.5	0
10	16QAM	25	0	17.27	17.59	17.47		
10	16QAM	25	12	17.39	17.28	17.37		
10	16QAM	25	25	17.29	17.61	17.21	18.5	0
10	16QAM	50	0	17.27	17.41	17.34		
10	64QAM	1	0	17.14	17.14	17.28		
10	64QAM	1	25	17.11	17.20	17.23	18.5	0
10	64QAM	1	49	16.85	17.26	17.03		
10	64QAM	25	0	17.48	17.48	17.37		
10	64QAM	25	12	17.15	17.40	17.46	18.5	0
10	64QAM	25	25	17.33	17.55	17.46		
10	64QAM	50	0	17.18	17.32	17.38		
Channel				42115	42590	43065	18.5	0
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	17.67	17.85	17.60	18.5	0
5	QPSK	1	12	17.82	17.65	17.54		
5	QPSK	1	24	17.68	17.65	17.67		
5	QPSK	12	0	17.53	17.56	17.44	18.5	0
5	QPSK	12	7	17.41	17.55	17.30		
5	QPSK	12	13	17.48	17.36	17.38		
5	QPSK	25	0	17.38	17.62	17.24	18.5	0
5	16QAM	1	0	17.33	17.33	17.26		
5	16QAM	1	12	17.10	17.26	17.32		
5	16QAM	1	24	17.14	17.36	17.21	18.5	0
5	16QAM	12	0	17.41	17.57	17.33		
5	16QAM	12	7	17.51	17.31	17.22		
5	16QAM	12	13	17.33	17.47	17.10	18.5	0
5	16QAM	25	0	17.29	17.51	17.37		
5	64QAM	1	0	17.26	17.32	17.27		
5	64QAM	1	12	17.10	17.15	17.22	18.5	0
5	64QAM	1	24	16.85	17.21	16.84		
5	64QAM	12	0	17.60	17.51	17.35		
5	64QAM	12	7	17.24	17.47	17.39	18.5	0
5	64QAM	12	13	17.27	17.63	17.41		
5	64QAM	25	0	17.29	17.49	17.46		

Band 42 FCC Part27Q Mian PA Ant7 DS10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.55	23.48	24.5	0
20	QPSK	1	49	23.32	23.44	23.38		
20	QPSK	1	99	23.36	23.43	23.36		
20	QPSK	50	0	22.45	22.50	22.40	23.5	1
20	QPSK	50	24	22.37	22.49	22.43		
20	QPSK	50	50	22.30	22.35	22.23		
20	QPSK	100	0	22.28	22.37	22.25	23.5	1
20	16QAM	1	0	22.28	22.37	22.35		
20	16QAM	1	49	22.20	22.33	22.19		
20	16QAM	1	99	22.13	22.25	22.12	22.5	2
20	16QAM	50	0	21.40	21.50	21.46		
20	16QAM	50	24	21.32	21.46	21.36		
20	16QAM	50	50	21.34	21.48	21.39	21.5	3
20	16QAM	100	0	21.21	21.34	21.26		
20	64QAM	1	0	21.35	21.42	21.33		
20	64QAM	1	49	21.27	21.35	21.26	21.5	3
20	64QAM	1	99	21.16	21.25	21.12		
20	64QAM	50	0	20.41	20.50	20.43		
20	64QAM	50	24	20.35	20.38	20.26	20.26	20.26
20	64QAM	50	50	20.32	20.46	20.33		
20	64QAM	100	0	20.26	20.35	20.28		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	23.44	23.50	23.43	24.5	0
15	QPSK	1	37	23.25	23.32	23.32		
15	QPSK	1	74	23.22	23.39	23.24		
15	QPSK	36	0	22.41	22.35	22.30	23.5	1
15	QPSK	36	20	22.28	22.38	22.35		
15	QPSK	36	39	22.17	22.31	22.16		
15	QPSK	75	0	22.24	22.32	22.11	23.5	1
15	16QAM	1	0	22.25	22.25	22.25		
15	16QAM	1	37	22.12	22.20	22.14		
15	16QAM	1	74	22.07	22.15	22.03	22.5	2
15	16QAM	36	0	21.31	21.37	21.37		
15	16QAM	36	20	21.29	21.38	21.29		
15	16QAM	36	39	21.31	21.34	21.31	21.5	3
15	16QAM	75	0	21.14	21.21	21.15		
15	64QAM	1	0	21.24	21.29	21.22		
15	64QAM	1	37	21.16	21.32	21.15	21.5	3
15	64QAM	1	74	21.11	21.22	21.00		
15	64QAM	36	0	20.33	20.46	20.30		
15	64QAM	36	20	20.25	20.29	20.22	20.22	20.22
15	64QAM	36	39	20.28	20.34	20.26		
15	64QAM	75	0	20.15	20.23	20.22		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	23.38	23.48	23.34	24.5	0
10	QPSK	1	25	23.18	23.29	23.29		
10	QPSK	1	49	23.31	23.32	23.33		
10	QPSK	25	0	22.33	22.38	22.36	23.5	1
10	QPSK	25	12	22.28	22.42	22.35		
10	QPSK	25	25	22.16	22.29	22.13		
10	QPSK	50	0	22.23	22.29	22.19	23.5	1
10	16QAM	1	0	22.17	22.33	22.26		
10	16QAM	1	25	22.11	22.18	22.12		
10	16QAM	1	49	22.00	22.13	21.98	22.5	2
10	16QAM	25	0	21.31	21.45	21.38		
10	16QAM	25	12	21.27	21.40	21.21		
10	16QAM	25	25	21.21	21.44	21.29	21.5	3
10	16QAM	50	0	21.09	21.24	21.18		
10	64QAM	1	0	21.24	21.31	21.20		
10	64QAM	1	25	21.23	21.28	21.21	21.5	3
10	64QAM	1	49	21.06	21.17	21.08		
10	64QAM	25	0	20.33	20.37	20.40		
10	64QAM	25	12	20.32	20.33	20.12	20.26	20.26
10	64QAM	25	25	20.22	20.33	20.26		
10	64QAM	50	0	20.15	20.25	20.18		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	23.45	23.48	23.35	24.5	0
5	QPSK	1	12	23.18	23.31	23.31		
5	QPSK	1	24	23.29	23.36	23.28		
5	QPSK	12	0	22.33	22.45	22.36	23.5	1
5	QPSK	12	7	22.29	22.45	22.36		
5	QPSK	12	13	22.26	22.28	22.10		
5	QPSK	25	0	22.25	22.32	22.17	23.5	1
5	16QAM	1	0	22.23	22.30	22.23		
5	16QAM	1	12	22.16	22.26	22.14		
5	16QAM	1	24	22.01	22.19	22.06	22.5	2
5	16QAM	12	0	21.36	21.46	21.41		
5	16QAM	12	7	21.24	21.33	21.22		
5	16QAM	12	13	21.28	21.36	21.26	21.5	3
5	16QAM	25	0	21.09	21.30	21.17		
5	64QAM	1	0	21.28	21.28	21.28		
5	64QAM	1	12	21.16	21.24	21.11	21.5	3
5	64QAM	1	24	21.02	21.21	21.00		
5	64QAM	12	0	20.34	20.37	20.29		
5	64QAM	12	7	20.20	20.24	20.21	20.20	20.20
5	64QAM	12	13	20.28	20.40	20.20		
5	64QAM	25	0	20.13	20.26	20.17		

DSI 1 Power for WWAN Main PA

GSM850 And DSI1									
GSM850		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
TX Channel		128	180	251	Limit		128	180	251
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8
GSM 1 Tx slot		32.93	33.09	33.05	34.00		23.93	24.09	24.05
GPRS 1 Tx slot		32.97	33.13	33.07	34.00		23.97	24.13	24.07
GPRS 2 Tx slots		30.09	30.12	30.04	31.00		24.09	24.12	24.04
GPRS 3 Tx slots		28.23	28.34	28.19	29.20		23.97	24.08	23.93
GPRS 4 Tx slots		26.81	26.95	26.88	28.00		23.91	23.95	23.88
EDGE 1 Tx slot		27.01	27.13	27.08	28.00		18.01	18.13	18.08
EDGE 2 Tx slots		24.17	24.25	24.10	25.00		18.17	18.25	18.10
EDGE 3 Tx slots		22.31	22.41	22.28	23.20		18.05	18.15	18.02
EDGE 4 Tx slots		21.12	21.17	21.04	22.00		18.12	18.17	18.04

WCDMA V And DSI1				
Band		WCDMA V		
TX Channel		4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		824.4	832.4	848.5
3GPP Rel 99 AMR 12.2kbps		23.98	24.11	24.08
3GPP Rel 99 RMC 12.2kbps		24.04	24.16	24.13
3GPP Rel 6 HSDPA Subtest-1		23.15	23.15	23.11
3GPP Rel 6 HSDPA Subtest-2		23.09	23.15	23.07
3GPP Rel 6 HSDPA Subtest-3		22.54	22.60	22.81
3GPP Rel 6 HSDPA Subtest-4		22.56	22.63	22.57
3GPP Rel 8 DC-HSDPA Subtest-1		23.03	23.14	23.10
3GPP Rel 8 DC-HSDPA Subtest-2		23.04	23.14	23.06
3GPP Rel 8 DC-HSDPA Subtest-3		22.45	22.60	22.53
3GPP Rel 8 DC-HSDPA Subtest-4		22.43	22.56	22.50
3GPP Rel 6 HSUPA Subtest-1		22.98	23.03	23.05
3GPP Rel 6 HSUPA Subtest-2		21.08	21.21	21.06
3GPP Rel 6 HSUPA Subtest-3		22.09	22.26	22.21
3GPP Rel 6 HSUPA Subtest-4		21.06	21.11	21.03
3GPP Rel 6 HSUPA Subtest-5		23.02	23.11	23.05
3GPP Rel 7 HSPA+ (HSPA) Subtest-1		20.57	20.76	20.64

Band 5 Main PA Ant0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.45	24.56	24.50	25.5	0		
10	QPSK	1	25	24.40	24.48	24.43				
10	QPSK	1	49	24.35	24.52	24.54				
10	QPSK	25	0	23.48	23.59	23.54				
10	QPSK	25	12	23.45	23.52	23.50				
10	QPSK	25	25	23.34	23.50	23.40	24.5	1		
10	QPSK	50	0	23.43	23.54	23.47				
10	16QAM	1	0	23.79	23.84	23.79				
10	16QAM	1	25	23.72	23.71	23.68				
10	16QAM	1	49	23.68	23.73	23.69				
10	16QAM	25	0	22.39	22.52	22.41	23.5	2		
10	16QAM	25	12	22.37	22.48	22.33				
10	16QAM	25	25	22.36	22.44	22.34				
10	16QAM	50	0	22.20	22.46	22.21				
10	64QAM	1	0	22.59	22.66	22.58				
10	64QAM	1	25	22.49	22.69	22.54	23.5	2		
10	64QAM	1	49	22.51	22.67	22.44				
10	64QAM	25	0	21.38	21.46	21.39				
10	64QAM	25	12	21.32	21.48	21.28				
10	64QAM	25	25	21.28	21.37	21.26				
10	64QAM	50	0	21.23	21.51	21.28	22.5	3		
Channel				20452	20525	20605				
Frequency (MHz)				829.5	836.5	845.5			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.32	24.52	24.41	25.5	0		
5	QPSK	1	12	24.31	24.43	24.40				
5	QPSK	1	24	24.29	24.40	24.22				
5	QPSK	12	0	23.36	23.53	23.45				
5	QPSK	12	7	23.39	23.36	23.38				
5	QPSK	12	13	23.20	23.37	23.26	24.5	1		
5	QPSK	25	0	23.36	23.48	23.38				
5	16QAM	1	0	23.76	23.79	23.72				
5	16QAM	1	12	23.69	23.60	23.54				
5	16QAM	1	24	23.58	23.67	23.64				
5	16QAM	12	0	22.29	22.44	22.32	23.5	2		
5	16QAM	12	7	22.27	22.39	22.27				
5	16QAM	12	13	22.33	22.31	22.24				
5	16QAM	25	0	22.27	22.38	22.20				
5	64QAM	1	13	21.19	21.39	21.26				
5	64QAM	1	12	22.46	22.61	22.42	23.5	2		
5	64QAM	1	24	22.44	22.62	22.36				
5	64QAM	12	0	21.33	21.34	21.33				
5	64QAM	12	7	21.26	21.41	21.20				
5	64QAM	12	13	21.17	21.28	21.28				
5	64QAM	25	0	21.14	21.48	21.14	22.5	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5			Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	24.31	24.50	24.47	25.5	0		
3	QPSK	1	8	24.35	24.43	24.29				
3	QPSK	1	14	24.22	24.45	24.29				
3	QPSK	8	0	23.37	23.51	23.41				
3	QPSK	8	4	23.35	23.38	23.41				
3	QPSK	8	7	23.26	23.47	23.26	24.5	1		
3	QPSK	15	0	23.39	23.44	23.40				
3	16QAM	1	0	23.70	23.71	23.68				
3	16QAM	1	8	23.58	23.66	23.54				
3	16QAM	1	14	23.62	23.58	23.65				
3	16QAM	8	0	22.26	22.42	22.37	23.5	2		
3	16QAM	8	4	22.32	22.42	22.20				
3	16QAM	8	7	22.22	22.36	22.24				
3	16QAM	15	0	22.17	22.34	22.17				
3	64QAM	1	0	22.56	22.51	22.53				
3	64QAM	1	8	22.44	22.54	22.40	23.5	2		
3	64QAM	1	14	22.44	22.56	22.40				
3	64QAM	8	0	21.25	21.41	21.36				
3	64QAM	8	4	21.24	21.35	21.15				
3	64QAM	8	7	21.17	21.27	21.27				
3	64QAM	15	0	21.08	21.38	21.17	22.5	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3			Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	24.34	24.47	24.43	25.5	0		
1.4	QPSK	1	3	24.30	24.41	24.37				
1.4	QPSK	1	5	24.31	24.48	24.26				
1.4	QPSK	3	0	24.39	24.47	24.37				
1.4	QPSK	3	1	24.36	24.41	24.36				
1.4	QPSK	3	3	24.20	24.45	24.23	24.5	1		
1.4	QPSK	6	0	23.42	23.50	23.41				
1.4	16QAM	1	0	23.39	23.39	23.35				
1.4	16QAM	1	3	23.21	23.39	23.35				
1.4	16QAM	1	5	23.39	23.39	23.32				
1.4	16QAM	3	0	23.72	23.76	23.70	24.5	1		
1.4	16QAM	3	1	23.66	23.57	23.54				
1.4	16QAM	3	3	23.62	23.67	23.63				
1.4	16QAM	6	0	22.24	22.46	22.36				
1.4	64QAM	1	0	22.26	22.36	22.26				
1.4	64QAM	1	3	22.29	22.36	22.28	23.5	2		
1.4	64QAM	1	5	22.26	22.38	22.23				
1.4	64QAM	3	0	22.46	22.60	22.44				
1.4	64QAM	3	1	22.41	22.61	22.45				
1.4	64QAM	3	3	22.39	22.60	22.34				
1.4	64QAM	6	0	21.28	21.34	21.29	22.5	3		

Band 13 Main PA Ant0 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23200	23250	23300				
Frequency (MHz)				782	782	782				
10	QPSK	1	0	24.64	24.56	24.50	25.5	0		
10	QPSK	1	25	24.59		24.59				
10	QPSK	1	49	24.52		24.52				
10	QPSK	25	0	23.74	23.67	23.79	24.5	1		
10	QPSK	25	12	23.91		23.91				
10	QPSK	25	25	23.77		23.77				
10	QPSK	50	0	23.70	23.60	23.67	24.5	1		
10	16QAM	1	0	23.86		23.86				
10	16QAM	1	25	23.81		23.81				
10	16QAM	1	49	23.78		23.78	23.5	2		
10	16QAM	25	0	22.77		22.77				
10	16QAM	25	12	22.92		22.92				
10	16QAM	25	25	22.71		22.71	23.5	2		
10	16QAM	50	0	22.88		22.88				
10	64QAM	1	0	23.08		23.08				
10	64QAM	1	25	22.99		22.99	23.5	2		
10	64QAM	1	49	22.94		22.94				
10	64QAM	25	0	21.60		21.60				
10	64QAM	25	12	21.89		21.89	22.5	3		
10	64QAM	25	25	21.61		21.61				
10	64QAM	50	0	21.80		21.80				
Channel				23205	23250	23255	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				779.5	782	784.5				
5	QPSK	1	0	24.51	24.59	24.54	25.5	0		
5	QPSK	1	12	24.31	24.45	24.49				
5	QPSK	1	24	24.26	24.38	24.33				
5	QPSK	12	0	23.74	23.67	23.79	24.5	1		
5	QPSK	12	7	23.69	23.67	23.70				
5	QPSK	12	13	23.56	23.68	23.64				
5	QPSK	25	0	23.65	23.76	23.73	24.5	1		
5	16QAM	1	0	23.70	23.82	23.89				
5	16QAM	1	12	23.64	23.72	23.80				
5	16QAM	1	24	23.58	23.72	23.63	23.5	2		
5	16QAM	12	0	22.58	22.71	22.62				
5	16QAM	12	7	22.73	22.82	22.76				
5	16QAM	12	13	22.54	22.61	22.58	23.5	2		
5	16QAM	25	0	22.70	22.82	22.82				
5	64QAM	1	0	23.00	23.04	22.93				
5	64QAM	1	12	22.82	22.92	22.82	23.5	2		
5	64QAM	1	24	22.72	22.86	22.77				
5	64QAM	12	0	21.62	21.74	21.34				
5	64QAM	12	7	21.89	21.74	21.82	22.5	3		
5	64QAM	12	13	21.45	21.54	21.43				
5	64QAM	25	0	21.70	21.74	21.83				

		GSM850 Antt DS1								
GSM850		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		Tune-up	
TX Channel		128	189	251	Limit	128	189	251	Limit	
Frequency (MHz)		124.2	130.4	161.1		124.2	130.4	161.1		
GSM 1 Tx slot		32.02	32.11	32.02	33.50	23.02	23.11	23.02	23.11	24.50
GPRS 1 Tx slot		32.05	32.16	32.08	33.50	23.05	23.16	23.05	23.16	24.50
GPRS 2 Tx slots		29.21	29.24	29.17	30.50	23.21	23.24	23.17	23.24	24.50
GPRS 3 Tx slots		27.40	27.44	27.34	28.50	23.14	23.18	23.08	23.12	24.24
GPRS 4 Tx slots		25.97	26.07	26.00	27.50	22.97	23.07	23.00	23.10	24.50
EDGE 1 Tx slot		26.21	26.25	26.11	27.50	17.21	17.25	17.11	17.16	18.50
EDGE 2 Tx slots		23.24	23.29	23.16	24.50	17.24	17.29	17.16	17.21	18.50
EDGE 3 Tx slots		21.40	21.53	21.46	22.70	17.14	17.27	17.12	17.25	18.50
EDGE 4 Tx slots		20.15	20.28	20.24	21.50	17.15	17.28	17.14	17.26	18.50

		GSM1900 Antt DSH							
GSM1900		Burst Average Power (dBm)			Frame-Average Power (dBm)				
TX Channel	Frequency (MHz)	512	661	810	Limit	512	661	810	Limit
GSM 1 Tx slot	1850.2	28.13	28.19	28.15	30.00	18.13	18.19	18.15	20.00
GPRS 1 Tx slot	18.16	28.24	28.22	28.20	30.00	19.16	19.24	19.22	21.00
GPRS 2 Tx slots	25.27	25.31	25.25	25.20	27.00	19.27	19.31	19.25	21.00
GPRS 3 Tx slots	23.88	23.96	23.87	23.80	25.20	18.82	18.86	18.80	20.00
GPRS 4 Tx slots	22.35	22.47	22.37	22.40	24.00	18.35	18.47	18.37	21.00
EDGE 1 Tx slot	24.79	24.68	24.62	24.60	26.00	15.79	15.88	15.86	18.00
EDGE 2 Tx slots	21.97	22.07	21.93	22.00	23.00	15.97	16.07	15.93	17.00
EDGE 3 Tx slots	19.90	20.03	19.89	20.00	21.20	15.64	15.77	15.67	17.00
EDGE 4 Tx slots	19.20	19.28	19.21	19.20	20.00	16.20	16.26	16.21	17.00

		WCDMA II Antt DS1			WCDMA IV Antt DS1			WCDMA V Antt DS1		
Band		WCDMA II			WCDMA IV			WCDMA V		
TX Channel		9262	9400	9538	Limit			Limit		
Frequency (MHz)		1852.4	1860	1900.6	1852.4			1852.4		
3GPP Rel 99		20.03	20.11	20.03	22.00	22.02	22.12	22.07	24.00	23.22
3GPP Rel 99		20.06	20.15	20.08	22.00	22.10	22.19	22.13	24.00	23.27
3GPP Rel 6		19.09	19.20	19.11	21.00	21.15	21.23	21.20	23.00	22.36
3GPP Rel 6		19.19	19.14	19.18	21.00	21.06	21.09	21.08	23.00	22.23
3GPP Rel 6		18.54	18.58	18.58	20.50	20.60	20.69	20.65	22.50	21.76
3GPP Rel 6		18.54	18.57	18.57	20.50	20.50	20.61	20.55	22.50	21.72
3GPP Rel 6		19.04	19.07	19.04	21.00	21.04	21.16	21.09	23.00	22.28
3GPP Rel 6		19.03	19.04	19.04	21.00	21.16	21.13	21.02	23.00	22.17
3GPP Rel 6		18.55	18.54	18.54	20.50	20.56	20.59	20.52	22.50	21.73
3GPP Rel 6		18.53	18.67	18.61	20.50	20.56	20.60	20.54	22.50	21.65
3GPP Rel 6		19.15	19.04	19.02	21.00	21.01	21.10	21.01	23.00	22.15
3GPP Rel 6		17.12	17.09	17.03	19.00	19.11	19.16	19.05	21.00	20.24
3GPP Rel 6		18.16	18.16	18.16	20.00	20.13	20.24	20.24	22.00	21.39
3GPP Rel 6		17.05	17.11	17.01	19.00	19.08	19.03	19.07	21.00	20.20
3GPP Rel 6		19.01	19.05	19.02	21.00	21.06	21.11	21.04	23.00	22.14
3GPP Rel 7		16.64	16.77	16.53	18.50	18.62	18.70	18.63	20.50	19.78

Band 5 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20620	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.68	23.75	23.69	25.5	0	
10	QPSK	1	25	23.62	23.67	23.56			
10	QPSK	1	49	23.59	23.62	23.55			
10	QPSK	25	0	22.62	22.70	22.56			
10	QPSK	25	12	22.56	22.64	22.53			
10	QPSK	25	25	22.54	22.60	22.50	24.5	1	
10	QPSK	50	0	22.58	22.64	22.56			
10	16QAM	1	0	23.14	23.28	23.14			
10	16QAM	1	25	23.15	23.22	23.10			
10	16QAM	1	49	23.10	23.18	23.04			
10	16QAM	25	0	21.63	21.69	21.63	23.5	2	
10	16QAM	25	12	21.55	21.61	21.60			
10	16QAM	25	25	21.52	21.65	21.58			
10	16QAM	50	0	21.54	21.58	21.57			
10	64QAM	1	0	21.73	21.80	21.74			
10	64QAM	1	25	21.70	21.74	21.61	23.5	2	
10	64QAM	1	49	21.57	21.70	21.55			
10	64QAM	25	0	20.68	20.72	20.60			
10	64QAM	25	12	20.62	20.63	20.57			
10	64QAM	25	25	20.58	20.60	20.55			
10	64QAM	50	0	20.57	20.60	20.55	22.5	3	
Channel				20425	20525	20620			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.64	23.71	23.62	25.5	0	
5	QPSK	1	12	23.57	23.54	23.52			
5	QPSK	1	24	23.55	23.53	23.51			
5	QPSK	12	0	22.62	22.60	22.51			
5	QPSK	12	7	22.60	22.63	22.50			
5	QPSK	12	13	22.53	22.63	22.53	24.5	1	
5	QPSK	25	0	22.56	22.60	22.54			
5	16QAM	1	0	23.01	23.20	23.07			
5	16QAM	1	12	23.04	23.14	23.06			
5	16QAM	1	24	22.98	23.05	22.92			
5	16QAM	12	0	21.68	21.67	21.62	23.5	2	
5	16QAM	12	7	21.61	21.56	21.66			
5	16QAM	12	13	21.54	21.69	21.60			
5	16QAM	25	0	21.57	21.63	21.54			
5	64QAM	1	0	21.67	21.70	21.62			
5	64QAM	1	12	21.67	21.72	21.59	23.5	2	
5	64QAM	1	24	21.60	21.72	21.58			
5	64QAM	12	0	20.59	20.59	20.56			
5	64QAM	12	7	20.64	20.60	20.63			
5	64QAM	12	13	20.66	20.66	20.58			
5	64QAM	25	0	20.57	20.63	20.53	22.5	3	
Channel				20415	20525	20630			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.61	23.70	23.66	25.5	0	
3	QPSK	1	8	23.54	23.60	23.57			
3	QPSK	1	14	23.56	23.56	23.55			
3	QPSK	8	0	22.57	22.60	22.53			
3	QPSK	8	4	22.63	22.71	22.55			
3	QPSK	8	7	22.56	22.61	22.58	24.5	1	
3	QPSK	15	0	22.61	22.69	22.53			
3	16QAM	1	0	23.11	23.19	23.11			
3	16QAM	1	8	23.04	23.08	22.96			
3	16QAM	1	14	23.06	23.14	23.00			
3	16QAM	8	0	21.52	21.62	21.57	23.5	2	
3	16QAM	8	4	21.50	21.55	21.57			
3	16QAM	8	7	21.54	21.72	21.55			
3	16QAM	15	0	21.56	21.62	21.55			
3	64QAM	1	0	21.62	21.70	21.69			
3	64QAM	1	8	21.67	21.67	21.52	23.5	2	
3	64QAM	1	14	21.50	21.60	21.59			
3	64QAM	8	0	20.59	20.62	20.51			
3	64QAM	8	4	20.51	20.60	20.51			
3	64QAM	8	7	20.59	20.66	20.59			
3	64QAM	15	0	20.63	20.59	20.59	22.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.55	23.66	23.64	25.5	0	
1.4	QPSK	1	3	23.57	23.61	23.53			
1.4	QPSK	1	5	23.59	23.55	23.55			
1.4	QPSK	3	0	23.55	23.60	23.60			
1.4	QPSK	3	1	23.51	23.52	23.55			
1.4	QPSK	3	3	23.52	23.57	23.59	24.5	1	
1.4	QPSK	6	0	22.54	22.66	22.56			
1.4	16QAM	1	0	22.58	22.61	22.59			
1.4	16QAM	1	3	22.54	22.65	22.52			
1.4	16QAM	1	5	22.52	22.60	22.57			
1.4	16QAM	3	0	23.08	23.16	23.00	24.5	1	
1.4	16QAM	3	1	23.08	23.08	23.05			
1.4	16QAM	3	3	23.04	23.09	22.90			
1.4	16QAM	6	0	21.58	21.66	21.62			
1.4	64QAM	1	0	21.59	21.51	21.54			
1.4	64QAM	1	3	21.51	21.58	21.52	23.5	2	
1.4	64QAM	1	5	21.56	21.65	21.60			
1.4	64QAM	3	0	21.64	21.72	21.63			
1.4	64QAM	3	1	21.58	21.70	21.64			
1.4	64QAM	3	3	21.51	21.62	21.50			
1.4	64QAM	6	0	20.61	20.64	20.50	22.5	3	

Band 13 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23205	23220	23255			
Frequency (MHz)				782	782				
10	QPSK	1	0		23.98		25.5	0	
10	QPSK	1	25		23.90				
10	QPSK	1	49		23.85				
10	QPSK	25	0		22.90				
10	QPSK	25	12		22.84				
10	QPSK	25	25		22.79		24.5	1	
10	QPSK	50	0		22.87				
10	16QAM	1	0		22.85				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.75				
10	16QAM	25	0		21.89		23.5	2	
10	16QAM	25	12		21.81				
10	16QAM	25	25		21.85				
10	16QAM	50	0		21.79				
10	64QAM	1	0		22.07				
10	64QAM	1	25		22.01		23.5	2	
10	64QAM	1	49		21.97				
10	64QAM	25	0		20.87				
10	64QAM	25	12		20.78				
10	64QAM	25	25		20.83				
10	64QAM	50	0		20.75		22.5	3	
Channel				23205	23220	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.84	23.90	23.88	25.5	0	
5	QPSK	1	12	23.87	23.67	23.80			
5	QPSK	1	24	23.78	23.80	23.77			
5	QPSK	12	0	22.87	22.78	22.85			
5	QPSK	12	7	22.72	22.73	22.73			
5	QPSK	12	13	22.73	22.72	22.66	24.5	1	
5	QPSK	25	0	22.84	22.73	22.78			
5	16QAM	1	0	22.74	22.71	22.78			
5	16QAM	1	12	22.85	22.71	22.72			
5	16QAM	1	24	22.84	22.65	22.71			
5	16QAM	12	0	21.78	21.84	21.76	23.5	2	
5	16QAM	12	7	21.69	21.68	21.74			
5	16QAM	12	13	21.73	21.70	21.73			
5	16QAM	25	0	21.72	21.7		23.5	2	
5	84QAM	1	0	21.95	21.95	21.96			
5	84QAM	1	12	21.89	21.90	21.94			
5	84QAM	1	24	21.94	21.82	21.83			
5	84QAM	12	0	20.74	20.74	20.78			
5	84QAM	12	7	20.67	20.63	20.65	22.5	3	
5	84QAM	12	13	20.76	20.73	20.70			
5	84QAM	25	0	20.66	20.64	20.80			

Band 41 Main PA Ant1 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.66	21.78	21.83	21.74	21.68	22.5	0
20	QPSK	1	49	21.62	21.78	21.76	21.68	21.62		
20	QPSK	1	99	21.47	21.63	21.67	21.65	21.56	22.5	0
20	QPSK	50	0	21.55	21.71	21.76	21.69	21.64		
20	QPSK	50	24	21.53	21.73	21.75	21.64	21.55	22.5	0
20	QPSK	50	50	21.36	21.60	21.57	21.62	21.50		
20	QPSK	100	0	21.52	21.70	21.73	21.68	21.61	22.5	0
20	16QAM	1	0	21.57	21.65	21.78	21.66	21.57		
20	16QAM	1	49	21.60	21.75	21.68	21.57	21.59	22.5	0
20	16QAM	1	99	21.43	21.49	21.64	21.54	21.44		
20	16QAM	50	0	21.62	21.66	21.73	21.65	21.64	22.5	0
20	16QAM	50	24	21.52	21.72	21.68	21.65	21.51		
20	16QAM	50	50	21.36	21.50	21.60	21.61	21.46	22.5	0
20	16QAM	100	0	21.38	21.61	21.58	21.60	21.43		
20	64QAM	1	0	21.50	21.64	21.61	21.59	21.52	22.5	0
20	64QAM	1	49	21.48	21.57	21.62	21.50	21.46		
20	64QAM	1	99	21.47	21.42	21.57	21.49	21.38	21.5	1
20	64QAM	50	0	20.91	20.86	21.02	20.98	20.93		
20	64QAM	50	24	20.78	20.81	20.89	20.81	20.80	21.5	0
20	64QAM	50	50	20.78	20.86	20.87	20.85	20.73		
20	64QAM	100	0	20.71	20.68	20.81	20.67	20.72	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.64	21.72	21.78	21.72	21.62	23	0
15	QPSK	1	37	21.51	21.71	21.72	21.57	21.51		
15	QPSK	1	74	21.40	21.53	21.61	21.58	21.51	22.5	0
15	QPSK	36	0	21.49	21.62	21.64	21.59	21.60		
15	QPSK	36	20	21.45	21.65	21.70	21.58	21.44	22.5	0
15	QPSK	36	39	21.31	21.50	21.44	21.49	21.38		
15	QPSK	75	0	21.52	21.64	21.64	21.50	21.50	22.5	0
15	16QAM	1	0	21.54	21.51	21.69	21.60	21.51		
15	16QAM	1	37	21.51	21.69	21.66	21.51	21.45	22.5	0
15	16QAM	1	74	21.32	21.46	21.55	21.50	21.36		
15	16QAM	36	0	21.59	21.52	21.59	21.53	21.54	22.5	0
15	16QAM	36	20	21.47	21.61	21.64	21.51	21.45		
15	16QAM	36	39	21.32	21.40	21.54	21.56	21.33	22.5	0
15	16QAM	75	0	21.31	21.59	21.56	21.54	21.33		
15	64QAM	1	0	21.36	21.60	21.55	21.52	21.49	22.5	0
15	64QAM	1	37	21.42	21.51	21.58	21.37	21.40		
15	64QAM	1	74	21.33	21.30	21.45	21.36	21.27	21.5	0
15	64QAM	36	0	20.86	20.82	20.94	20.82	20.82		
15	64QAM	36	20	20.67	20.69	20.80	20.66	20.67	21.5	1
15	64QAM	36	39	20.68	20.76	20.76	20.76	20.58		
15	64QAM	75	0	20.66	20.55	20.69	20.62	20.67	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.55	21.65	21.73	21.66	21.59	23	0
10	QPSK	1	25	21.52	21.68	21.66	21.55	21.58		
10	QPSK	1	49	21.45	21.50	21.60	21.62	21.54	22.5	0
10	QPSK	25	0	21.42	21.63	21.68	21.62	21.55		
10	QPSK	25	12	21.44	21.67	21.72	21.58	21.51	22.5	0
10	QPSK	25	25	21.28	21.48	21.45	21.58	21.39		
10	QPSK	50	0	21.53	21.68	21.63	21.66	21.51	22.5	0
10	16QAM	1	0	21.49	21.60	21.75	21.56	21.52		
10	16QAM	1	25	21.46	21.72	21.65	21.43	21.46	22.5	0
10	16QAM	1	49	21.38	21.42	21.56	21.49	21.34		
10	16QAM	25	0	21.59	21.53	21.61	21.62	21.62	22.5	0
10	16QAM	25	12	21.47	21.68	21.56	21.59	21.48		
10	16QAM	25	25	21.27	21.48	21.57	21.58	21.43	21.5	0
10	16QAM	50	0	21.28	21.54	21.49	21.56	21.41		
10	64QAM	1	0	21.40	21.57	21.47	21.49	21.46	22.5	0
10	64QAM	1	25	21.40	21.49	21.55	21.45	21.40		
10	64QAM	1	49	21.44	21.33	21.54	21.44	21.29	21.5	1
10	64QAM	25	0	20.81	20.81	20.95	20.94	20.90		
10	64QAM	25	12	20.70	20.77	20.76	20.76	20.66	Tune-up limit (dBm)	MPR (dB)
10	64QAM	25	25	20.69	20.79	20.80	20.73	20.82		
10	64QAM	50	0	20.67	20.65	20.68	20.61	20.59	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	2544.8	2593	2640.0	2687.5		
5	QPSK	1	0	21.63	21.66	21.79	21.62	21.59	23	0
5	QPSK	1	12	21.54	21.65	21.67	21.54	21.55		
5	QPSK	1	24	21.43	21.53	21.53	21.56	21.54	22.5	0
5	QPSK	12	0	21.48	21.58	21.64	21.63	21.52		
5	QPSK	12	7	21.49	21.71	21.73	21.50	21.44	22.5	0
5	QPSK	12	13	21.34	21.54	21.53	21.48	21.40		
5	QPSK	25	0	21.49	21.67	21.64	21.56	21.50	22.5	0
5	16QAM	1	0	21.50	21.61	21.71	21.58	21.43		
5	16QAM	1	12	21.52	21.64	21.63	21.46	21.48	22.5	0
5	16QAM	1	24	21.41	21.45	21.50	21.51	21.41		
5	16QAM	12	0	21.53	21.54	21.60	21.58	21.55	22.5	0
5	16QAM	12	7	21.49	21.64	21.65	21.59	21.38		
5	16QAM	12	13	21.23	21.42	21.57	21.55	21.33	21.5	1
5	16QAM	25	0	21.34	21.59	21.55	21.56	21.38		
5	64QAM	1	0	21.39	21.61	21.48	21.47	21.39	22.5	0
5	64QAM	1	12	21.36	21.43	21.57	21.47	21.41		
5	64QAM	1	24	21.36	21.34	21.54	21.39	21.27	Tune-up limit (dBm)	MPR (dB)
5	64QAM	12	0	20.77	20.72	20.90	20.91	20.83		
5	64QAM	12	7	20.65	20.69	20.80	20.72	20.76	Tune-up limit (dBm)	MPR (dB)
5	64QAM	12	13	20.65	20.74	20.72	20.82	20.59		
5	64QAM	25	0	20.67	20.56	20.74	20.61	20.61		

Band 42 FCC Part27Q Main PA Ant1 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			Tune-up limit (dbm)	MPR (dB)
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	19.95	19.96	19.85			21.5	0
20	QPSK	1	49	19.84	19.88	19.76				
20	QPSK	1	99	19.82	19.92	19.84				
20	QPSK	50	0	19.82	19.90	19.76			21.5	0
20	QPSK	50	24	19.78	19.86	19.68				
20	QPSK	50	50	19.84	19.85	19.83				
20	QPSK	100	0	19.76	19.85	19.74			21.5	0
20	16QAM	1	0	19.88	19.83	19.81				
20	16QAM	1	49	19.85	19.82	19.88				
20	16QAM	1	99	19.79	19.81	19.76			21.5	0
20	16QAM	50	0	19.82	19.89	19.79				
20	16QAM	50	24	19.75	19.79	19.66				
20	16QAM	50	50	19.69	19.80	19.78			21.5	0
20	16QAM	100	0	19.73	19.83	19.70				
20	8QAM	1	0	19.72	19.73	19.65				
20	8QAM	1	49	19.76	19.71	19.78			21.5	0
20	8QAM	1	99	19.69	19.82	19.63				
20	8QAM	50	0	19.85	19.86	19.78				
20	8QAM	50	24	19.80	19.74	19.56			21.5	0
20	8QAM	50	50	19.77	19.71	19.63				
20	8QAM	100	0	19.76	19.78	19.66				
Channel				42165	42590	43015				
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	19.93	19.90	19.74			21.5	0
15	QPSK	1	37	19.80	19.79	19.71				
15	QPSK	1	74	19.74	19.90	19.76				
15	QPSK	36	0	19.68	19.77	19.71			21.5	0
15	QPSK	36	20	19.72	19.73	19.66				
15	QPSK	36	39	19.71	19.73	19.72				
15	QPSK	75	0	19.65	19.74	19.67			21.5	0
15	16QAM	1	0	19.80	19.84	19.68				
15	16QAM	1	37	19.77	19.71	19.62				
15	16QAM	1	74	19.74	19.72	19.63			21.5	0
15	16QAM	36	0	19.80	19.66	19.71				
15	16QAM	36	20	19.63	19.73	19.61				
15	16QAM	36	39	19.60	19.66	19.70			21.5	0
15	16QAM	75	0	19.62	19.80	19.69				
15	8QAM	1	0	19.65	19.65	19.59				
15	8QAM	1	37	19.66	19.62	19.60			21.5	0
15	8QAM	1	74	19.61	19.70	19.56				
15	8QAM	36	0	19.73	19.75	19.78				
15	8QAM	36	20	19.70	19.66	19.45			21.5	0
15	8QAM	36	39	19.75	19.60	19.53				
15	8QAM	75	0	19.71	19.70	19.57				
Channel				42140	42590	43040				
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	19.85	19.85	19.72			21.5	0
10	QPSK	1	25	19.77	19.83	19.63				
10	QPSK	1	49	19.79	19.81	19.79				
10	QPSK	25	0	19.76	19.81	19.66			21.5	0
10	QPSK	25	12	19.76	19.80	19.60				
10	QPSK	25	25	19.74	19.81	19.77				
10	QPSK	50	0	19.71	19.74	19.63			21.5	0
10	16QAM	1	0	19.79	19.91	19.74				
10	16QAM	1	25	19.76	19.76	19.57				
10	16QAM	1	49	19.72	19.75	19.70			21.5	0
10	16QAM	25	0	19.75	19.77	19.71				
10	16QAM	25	12	19.61	19.72	19.56				
10	16QAM	25	25	19.66	19.77	19.68			21.5	0
10	16QAM	50	0	19.64	19.78	19.67				
10	8QAM	1	0	19.61	19.67	19.54				
10	8QAM	1	25	19.72	19.62	19.74			21.5	0
10	8QAM	1	49	19.63	19.78	19.55				
10	8QAM	25	0	19.78	19.73	19.64				
10	8QAM	25	12	19.75	19.67	19.46			21.5	0
10	8QAM	25	25	19.69	19.59	19.56				
10	8QAM	50	0	19.72	19.70	19.56				
Channel				42115	42550	43335				
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	19.87	19.82	19.72			21.5	0
5	QPSK	1	12	19.80	19.83	19.70				
5	QPSK	1	24	19.74	19.80	19.75				
5	QPSK	12	0	19.69	19.80	19.60			21.5	0
5	QPSK	12	7	19.73	19.81	19.60				
5	QPSK	12	13	19.81	19.77	19.74				
5	QPSK	25	0	19.71	19.79	19.72			21.5	0
5	16QAM	1	0	19.75	19.89	19.74				
5	16QAM	1	12	19.76	19.79	19.63				
5	16QAM	1	24	19.72	19.72	19.69			21.5	0
5	16QAM	12	0	19.75	19.84	19.77				
5	16QAM	12	7	19.62	19.72	19.55				
5	16QAM	12	13	19.66	19.70	19.69			21.5	0
5	16QAM	25	0	19.66	19.78	19.63				
5	8QAM	1	0	19.60	19.66	19.51				
5	8QAM	1	12	19.67	19.69	19.66			21.5	0
5	8QAM	1	24	19.57	19.78	19.54				
5	8QAM	12	0	19.79	19.84	19.69				
5	8QAM	12	7	19.69	19.63	19.51			21.5	0
5	8QAM	12	13	19.64	19.64	19.55				
5	8QAM	25	0	19.67	19.71	19.59				

		GSM1900 AnI2 DSII							
GSM1900		Burst Average Power (dBm)				Frame-Average Power (dBm)			
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1852.2	1860	1867.8	(dBm)	1852.2	1860	1867.8	(dBm)
GSM 1 Tx slot		29.89	29.95	29.93	31.00	20.89	20.95	20.93	22.00
GPRS 1 Tx slot		29.92	30.01	29.95	31.00	20.92	21.01	20.95	22.00
GPRS 2 Tx slots		27.08	27.11	27.03	28.00	21.08	21.11	21.03	22.00
GPRS 3 Tx slots		25.21	25.34	25.26	26.20	20.95	21.08	21.00	21.94
GPRS 4 Tx slots		23.92	24.02	23.99	25.00	20.92	21.02	20.99	22.00
EDGE 1 Tx slot		26.15	26.26	26.18	27.00	17.15	17.26	17.18	18.00
EDGE 2 Tx slots		23.36	23.44	23.35	24.00	17.36	17.44	17.35	18.00
EDGE 3 Tx slots		21.53	21.56	21.50	22.20	17.27	17.30	17.24	17.94
EDGE 4 Tx slots		20.54	20.68	20.60	21.00	17.54	17.68	17.60	18.00

WCDMA II AnI2 DSII					WCDMA IV AnI2 DSII				
Band		WCDMA II			Tune-up		WCDMA IV		
TX Channel		5262	5400	5538	Limit	1312	1413	1513	Limit
Rx Channel		5692	5920	5938	(dBm)	1437	1438	1734	(dBm)
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.8	
3GPP Rel 99		20.52	20.55	20.51	22.00	22.42	22.60	22.50	24.00
3GPP Rel 99		20.47	20.64	20.53	22.00	22.55	22.63	22.49	24.00
3GPP Rel 6		19.47	19.74	19.60	21.00	21.47	21.54	21.55	23.00
3GPP Rel 6		19.60	19.59	19.61	21.00	21.57	21.58	21.60	23.00
3GPP Rel 6		19.07	19.09	19.07	20.50	21.13	21.22	20.97	22.50
3GPP Rel 6		18.98	18.97	19.06	20.50	20.93	21.00	21.09	22.50
3GPP Rel 6		19.54	19.57	19.62	21.00	21.54	21.62	21.46	23.00
3GPP Rel 6		19.46	19.52	19.50	21.00	21.45	21.52	21.46	23.00
3GPP Rel 6		18.88	19.04	18.95	20.50	20.92	21.09	20.99	22.50
3GPP Rel 6		18.95	18.95	18.95	20.50	20.87	21.01	20.96	22.50
3GPP Rel 6		19.39	19.46	19.52	21.00	21.40	21.52	21.44	23.00
3GPP Rel 6		17.52	17.69	17.57	19.00	19.56	19.68	19.59	21.00
3GPP Rel 6		18.56	18.71	18.67	20.00	20.57	20.64	20.54	22.00
3GPP Rel 6		17.44	17.55	17.51	19.00	19.42	19.57	19.39	21.00
3GPP Rel 6		19.38	19.56	19.44	21.00	21.34	21.58	21.40	23.00
3GPP Rel 7		17.04	17.15	17.03	18.50	19.10	19.18	19.06	20.50

Band 2 Main PA Ant2 DSI1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18750	Power Mid Ch./Freq. 19000	Power High Ch./Freq. 19150	Time-up limit (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.99	21.10	20.96	22.5	0						
20	QPSK	1	49	21.01	20.98	20.98								
20	QPSK	1	99	20.99	20.98	20.91								
20	QPSK	50	0	20.95	21.04	20.91								
20	QPSK	50	24	20.90	20.90	20.98	22.5	0						
20	QPSK	50	50	20.76	20.84	20.88								
20	QPSK	100	0	20.82	20.91	20.85								
20	16QAM	1	0	20.91	21.07	20.85								
20	16QAM	1	49	20.99	20.85	20.83	22.5	0						
20	16QAM	1	99	20.78	20.83	20.87								
20	16QAM	1	99	20.82	20.87	20.87								
20	16QAM	50	24	20.88	20.87	20.90								
20	16QAM	50	50	20.85	20.86	20.84	22.5	0						
20	16QAM	100	0	20.80	20.96	20.85								
20	16QAM	1	0	20.90	21.12	20.80								
20	64QAM	1	49	20.89	20.91	20.75	22.5	0						
20	64QAM	1	99	20.82	20.87	20.87								
20	64QAM	50	0	20.75	20.79	20.75								
20	64QAM	50	24	20.96	20.70	20.81								
20	64QAM	50	50	20.98	20.87	20.85	22	0.5						
20	64QAM	100	0	20.59	20.69	20.55								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.98	21.11	20.84	22.5	0						
15	QPSK	1	37	20.98	20.84	20.79								
15	QPSK	1	74	20.83	20.84	20.79								
15	QPSK	36	0	20.88	21.00	20.78								
15	QPSK	36	20	20.80	20.78	20.72	22.5	0						
15	QPSK	36	39	20.83	20.81	20.73								
15	QPSK	75	0	20.79	20.89	20.74								
15	16QAM	1	0	20.77	21.00	20.80								
15	16QAM	1	37	20.96	20.78	20.73	22.5	0						
15	16QAM	1	74	20.66	20.85	20.78								
15	16QAM	36	0	20.92	20.90	20.74								
15	16QAM	36	20	20.77	20.83	20.72								
15	16QAM	36	39	20.76	20.74	20.72	22.5	0						
15	16QAM	75	0	20.73	20.92	20.76								
15	64QAM	1	0	20.83	21.00	20.80								
15	64QAM	1	37	20.78	20.80	20.68								
15	64QAM	1	74	20.67	20.81	20.75	22	0.5						
15	64QAM	36	0	20.71	20.84	20.81								
15	64QAM	36	20	20.49	20.58	20.47								
15	64QAM	36	39	20.78	20.75	20.72								
15	64QAM	75	0	20.49	20.60	20.46	Time-up limit (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.91	21.10	20.89	22.5	0						
10	QPSK	1	25	20.87	20.84	20.78								
10	QPSK	1	49	20.88	20.84	20.85								
10	QPSK	25	0	20.91	20.92	20.89								
10	QPSK	25	12	20.86	20.82	20.81	22.5	0						
10	QPSK	25	25	20.89	20.81	20.83								
10	QPSK	50	0	20.77	20.79	20.82								
10	16QAM	1	0	20.81	20.94	20.71								
10	16QAM	1	25	20.88	20.71	20.81	22.5	0						
10	16QAM	1	49	20.85	20.81	20.80								
10	16QAM	25	0	20.94	20.90	20.78								
10	16QAM	25	12	20.84	20.80	20.70								
10	16QAM	25	25	20.72	20.86	20.78	22.5	0						
10	16QAM	50	0	20.71	20.89	20.78								
10	64QAM	1	0	20.87	21.03	20.75								
10	64QAM	1	25	20.77	20.77	20.68								
10	64QAM	1	49	20.69	20.78	20.73	22	0.5						
10	64QAM	25	0	20.96	20.82	20.79								
10	64QAM	25	12	20.44	20.58	20.50								
10	64QAM	25	25	20.63	20.83	20.46								
10	64QAM	50	0	20.45	20.45	20.45	Time-up limit (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.93	21.01	20.86	22.5	0						
5	QPSK	1	12	20.96	20.87	20.78								
5	QPSK	1	24	20.78	20.87	20.81								
5	QPSK	12	0	20.86	20.91	20.82								
5	QPSK	12	7	20.86	20.79	20.74	22.5	0						
5	QPSK	12	13	20.65	20.81	20.80								
5	QPSK	25	0	20.74	20.88	20.76								
5	16QAM	1	0	20.84	21.00	20.78								
5	16QAM	1	12	20.87	20.81	20.73	22.5	0						
5	16QAM	1	24	20.73	20.95	20.79								
5	16QAM	12	0	20.87	20.96	20.82								
5	16QAM	12	7	20.75	20.74	20.69								
5	16QAM	12	13	20.67	20.85	20.82	22.5	0						
5	16QAM	25	0	20.71	20.93	20.80								
5	64QAM	1	0	20.86	21.03	20.79								
5	64QAM	1	12	20.78	20.78	20.68								
5	64QAM	1	24	20.71	20.78	20.81	22	0.5						
5	64QAM	12	0	20.61	20.74	20.89								
5	64QAM	12	7	20.51	20.65	20.64								
5	64QAM	12	13	20.53	20.54	20.43								
5	64QAM	25	0	20.66	20.67	20.41	Time-up limit (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.96	21.03	20.91	22.5	0						
3	QPSK	1	8	20.87	20.91	20.79								
3	QPSK	1	14	20.84	20.86	20.77								
3	QPSK	8	0	20.88	20.90	20.85								
3	QPSK	8	4	20.77	20.79	20.82	22.5	0						
3	QPSK	8	7	20.71	20.81	20.82								
3	QPSK	15	0	20.69	20.83	20.82								
3	16QAM	1	0	20.83	21.03	20.80								
3	16QAM	1	14	20.69	20.90	20.84	22.5	0						
3	16QAM	1	14	20.76	20.79	20.84								
3	16QAM	8	4	20.76	20.78	20.75								
3	16QAM	8	7	20.75	20.79	20.72								
3	16QAM	15	0	20.71	20.88	20.72	22.5	0						
3	64QAM	1	0	20.83	21.09	20.74								
3	64QAM	1	8	20.76	20.79	20.73								
3	64QAM	1	14	20.76	20.79	20.84								
3	64QAM	8	0	20.64	20.67	20.71	22	0.5						
3	64QAM	8	4	20.47	20.56	20.48								
3	64QAM	8	7	20.63	20.63	20.50								
3	64QAM	15	0	20.47	20.58	20.40								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.95	21.01	20.87	22.5	0						
1.4	QPSK	1	3	20.94	20.92	20.83								
1.4	QPSK	1	6	20.92	20.90	20.82								
1.4	QPSK	3	0	20.87	21.01	20.93								
1.4	QPSK	3	1	20.94	20.92	20.85	22.5	0						
1.4	QPSK	3	4	20.90	20.90	20.89								
1.4	QPSK	6	0	20.92	20.90	20.89								
1.4	16QAM	1	0	20.85	20.97	20.79								
1.4	16QAM	1	3	20.87	20.78	20.87	22.5	0						
1.4	16QAM	1	6	20.77	20.86	20.80								
1.4	16QAM	3	0	20.86	21.00	20.83								
1.4	16QAM	3	3	20.82	20.73	20.80								
1.4	16QAM	3	6	20.76	20.88	20.84	22.5	0						
1.4	16QAM	6	0	20.92	21.00	20.78								
1.4	16QAM	6	3	20.88	20.88	20.88								
1.4	16QAM	6	6	20.80	20.74	20.70								
1.4	16QAM	1	3	20.74	20.83	20.78	22.5	0						
1.4	16QAM	1	6	20.74	20.69	20.78								
1.4	16QAM	3	1	20.84	20.88	20.78								
1.4	16QAM	3	3	20.73	20.77	20.73								
1.4	16QAM	3	6	20.73	20.77	20.73	22	0.5						
Channel														
Frequency (MHz)														

Band 41 Main PA Ant3 DS11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.12	23.10	23.25	23.20	23.06	24.5	0	
20	QPSK	1	49	23.03	22.88	23.12	23.07	23.03			
20	QPSK	1	99	23.01	22.97	23.12	22.97	23.02	23.5	1	
20	QPSK	50	0	22.26	22.20	22.41	22.28	22.26			
20	QPSK	50	24	22.23	22.15	22.30	22.28	22.13			
20	QPSK	50	50	22.17	22.12	22.24	22.18	22.05			
20	QPSK	100	0	22.18	22.15	22.30	22.13	22.12	23.5	1	
20	16QAM	1	0	22.11	22.17	22.17	22.13	22.00			
20	16QAM	1	49	22.14	22.05	22.19	22.13	22.01			
20	16QAM	1	99	22.02	22.06	22.14	22.11	21.94			
20	16QAM	50	0	21.17	21.24	21.26	21.23	21.11	22.5	2	
20	16QAM	50	24	21.07	21.09	21.18	21.14	21.08			
20	16QAM	50	50	21.17	21.11	21.27	21.19	21.08			
20	16QAM	100	0	21.06	21.08	21.13	21.05	20.95			
20	64QAM	1	0	20.85	20.86	20.97	20.85	20.86	22.5	2	
20	64QAM	1	49	20.71	20.78	20.83	20.84	20.70			
20	64QAM	1	99	20.78	20.68	20.89	20.78	20.79			
20	64QAM	50	0	20.18	20.12	20.25	20.20	20.07			
20	64QAM	50	24	20.08	20.08	20.21	20.11	20.06	21.5	3	
20	64QAM	50	50	20.16	20.27	20.20	20.15	20.16			
20	64QAM	100	0	20.07	20.03	20.11	20.16	19.98			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.08	23.04	23.20	23.06	22.92	25	0	
15	QPSK	1	37	22.99	22.85	23.04	23.01	22.95			
15	QPSK	1	74	22.94	22.89	23.01	22.90	22.88	23.5	1	
15	QPSK	36	0	22.21	22.06	22.29	22.17	22.22			
15	QPSK	36	20	22.13	22.08	22.16	22.24	22.04			
15	QPSK	36	39	22.03	22.05	22.19	22.05	21.91			
15	QPSK	75	0	22.10	22.11	22.15	21.99	22.06	23.5	1	
15	16QAM	1	0	22.05	22.11	22.07	22.08	21.95			
15	16QAM	1	37	22.04	21.95	22.06	22.03	21.90			
15	16QAM	1	74	21.87	21.94	22.00	22.05	21.89			
15	16QAM	36	0	21.09	21.16	21.15	21.13	20.96	22.5	2	
15	16QAM	36	20	21.02	20.88	21.08	21.04	21.02			
15	16QAM	36	39	21.03	21.02	21.24	21.11	21.04			
15	16QAM	75	0	20.93	21.00	20.98	20.90	20.88			
15	64QAM	1	0	20.73	20.75	20.89	20.76	20.80	22.5	2	
15	64QAM	1	37	20.61	20.74	20.73	20.74	20.59			
15	64QAM	1	74	20.73	20.58	20.75	20.71	20.67			
15	64QAM	36	0	20.08	20.05	20.17	20.09	20.02			
15	64QAM	36	20	20.02	20.01	20.17	19.97	20.00	21.5	3	
15	64QAM	36	39	20.04	20.16	20.18	20.09	20.06			
15	64QAM	75	0	19.99	19.94	20.01	20.10	19.87			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.01	22.98	23.15	23.09	22.92	25	0	
10	QPSK	1	25	22.91	22.93	23.03	22.93	22.97			
10	QPSK	1	49	22.93	22.84	23.08	22.88	22.97	23.5	1	
10	QPSK	25	0	22.12	22.10	22.38	22.17	22.18			
10	QPSK	25	12	22.16	22.09	22.17	22.16	22.09			
10	QPSK	25	25	22.10	21.98	22.19	22.09	22.02			
10	QPSK	50	0	22.10	22.01	22.24	22.09	22.02	23.5	1	
10	16QAM	1	0	21.97	22.03	22.08	22.09	21.89			
10	16QAM	1	25	22.03	22.01	22.09	22.00	21.91			
10	16QAM	1	49	21.90	22.02	22.06	22.06	21.90			
10	16QAM	25	0	21.11	21.12	21.19	21.13	20.98	22.5	2	
10	16QAM	25	12	20.99	21.04	21.04	21.02	21.05			
10	16QAM	25	25	21.12	20.97	21.13	21.09	21.00			
10	16QAM	50	0	21.02	20.97	21.05	20.94	20.87			
10	64QAM	1	0	20.80	20.79	20.85	20.71	20.77	22.5	2	
10	64QAM	1	25	20.57	20.86	20.78	20.76	20.56			
10	64QAM	1	49	20.65	20.61	20.75	20.65	20.71			
10	64QAM	25	0	20.08	20.07	20.14	20.09	20.01			
10	64QAM	25	12	20.02	19.99	20.17	19.96	19.98	21.5	3	
10	64QAM	25	25	20.04	20.19	20.13	20.00	20.04			
10	64QAM	50	0	20.00	19.92	20.02	20.02	19.88			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.3	2593	2640.3	2687.5			
5	QPSK	1	0	23.00	23.04	23.20	23.13	22.98	25	0	
5	QPSK	1	12	22.94	22.90	23.01	22.93	23.00			
5	QPSK	1	24	22.98	22.92	23.07	22.88	22.98	23.5	1	
5	QPSK	12	0	22.22	22.15	22.33	22.23	22.21			
5	QPSK	12	7	22.11	22.11	22.26	22.18	22.10			
5	QPSK	12	13	22.05	22.06	22.18	22.14	21.94			
5	QPSK	25	0	22.15	22.08	22.28	22.09	22.01	23.5	1	
5	16QAM	1	0	22.03	22.13	22.12	22.07	21.91			
5	16QAM	1	12	22.09	21.95	22.10	22.05	21.87			
5	16QAM	1	24	21.90	21.92	22.05	22.05	21.86			
5	16QAM	12	0	21.07	21.14	21.20	21.12	21.07	22.5	2	
5	16QAM	12	7	20.95	20.98	21.13	21.01	21.02			
5	16QAM	12	13	21.05	20.98	21.20	21.13	20.98			
5	16QAM	25	0	20.92	21.02	21.00	20.96	20.87			
5	64QAM	1	0	20.77	20.78	20.89	20.76	20.80	22.5	2	
5	64QAM	1	12	20.60	20.88	20.71	20.71	20.61			
5	64QAM	1	24	20.70	20.59	20.78	20.70	20.65			
5	64QAM	12	0	20.08	20.01	20.11	20.11	20.02			
5	64QAM	12	7	20.04	19.97	20.13	19.97	19.95	21.5	3	
5	64QAM	12	13	20.09	20.18	20.20	20.03	20.07			
5	64QAM	25	0	19.97	19.95	20.08	20.08	19.89			

Band 42 FCC Part27Q Main PA Ant5 DS11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.07	22.19	22.02	22.5	0
20	QPSK	1	49	22.02	22.14	21.95		
20	QPSK	1	99	21.78	22.16	21.95		
20	QPSK	50	0	21.63	21.95	21.85	22.5	0
20	QPSK	50	24	21.54	21.91	21.54		
20	QPSK	50	50	21.52	21.69	21.75		
20	QPSK	100	0	21.62	21.77	21.62	22.5	0
20	16QAM	1	0	21.51	21.80	21.55		
20	16QAM	1	49	21.59	21.63	21.39		
20	16QAM	1	99	21.54	21.72	21.56	22.5	0
20	16QAM	50	0	21.86	21.86	21.82		
20	16QAM	50	24	21.74	21.89	21.69		
20	16QAM	50	50	21.74	21.99	21.87	22.5	0
20	16QAM	100	0	21.76	21.51	21.76		
20	64QAM	1	0	21.55	21.73	21.59		
20	64QAM	1	49	21.30	21.53	21.59	22.5	0
20	64QAM	1	99	21.56	21.35	21.54		
20	64QAM	50	0	21.86	21.89	21.61		
20	64QAM	50	24	21.62	21.74	21.64	22.5	0
20	64QAM	50	50	21.51	21.75	21.59		
20	64QAM	100	0	21.65	21.72	21.61		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	22.04	22.07	21.96	22.5	0
15	QPSK	1	37	21.90	22.09	21.88		
15	QPSK	1	74	21.75	22.13	21.91		
15	QPSK	36	0	21.60	21.88	21.75	22.5	0
15	QPSK	36	20	21.42	21.85	21.42		
15	QPSK	36	39	21.39	21.58	21.69		
15	QPSK	75	0	21.55	21.63	21.48	22.5	0
15	16QAM	1	0	21.49	21.54	21.58		
15	16QAM	1	37	21.45	21.53	21.37		
15	16QAM	1	74	21.48	21.70	21.49	22.5	0
15	16QAM	36	0	21.77	21.72	21.70		
15	16QAM	36	20	21.64	21.81	21.66		
15	16QAM	36	39	21.64	21.85	21.64	22.5	0
15	16QAM	75	0	21.68	21.78	21.70		
15	64QAM	1	0	21.50	21.69	21.47		
15	64QAM	1	37	21.26	21.42	21.50	22.5	0
15	64QAM	1	74	21.46	21.25	21.52		
15	64QAM	36	0	21.73	21.63	21.71		
15	64QAM	36	20	21.57	21.68	21.58	22.5	0
15	64QAM	36	39	21.52	21.68	21.54		
15	64QAM	75	0	21.62	21.60	21.51		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	22.00	22.15	21.83	22.5	0
10	QPSK	1	25	21.89	22.08	21.92		
10	QPSK	1	49	21.75	22.05	21.83		
10	QPSK	25	0	21.69	21.91	21.80	22.5	0
10	QPSK	25	12	21.44	21.79	21.51		
10	QPSK	25	25	21.49	21.56	21.71		
10	QPSK	50	0	21.55	21.72	21.57	22.5	0
10	16QAM	1	0	21.46	21.50	21.56		
10	16QAM	1	25	21.46	21.55	21.32		
10	16QAM	1	49	21.46	21.62	21.47	22.5	0
10	16QAM	25	0	21.78	21.82	21.79		
10	16QAM	25	12	21.70	21.86	21.59		
10	16QAM	25	25	21.69	21.91	21.74	22.5	0
10	16QAM	50	0	21.66	21.79	21.67		
10	64QAM	1	0	21.52	21.64	21.56		
10	64QAM	1	25	21.20	21.43	21.49	22.5	0
10	64QAM	1	49	21.54	21.23	21.46		
10	64QAM	25	0	21.78	21.82	21.75		
10	64QAM	25	12	21.58	21.59	21.59	22.5	0
10	64QAM	25	25	21.50	21.69	21.61		
10	64QAM	50	0	21.60	21.63	21.53		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	22.05	22.12	21.93	22.5	0
5	QPSK	1	12	21.95	22.10	21.84		
5	QPSK	1	24	21.71	22.10	21.89		
5	QPSK	12	0	21.57	21.86	21.77	22.5	0
5	QPSK	12	7	21.51	21.84	21.41		
5	QPSK	12	13	21.47	21.62	21.69		
5	QPSK	25	0	21.53	21.64	21.49	22.5	0
5	16QAM	1	0	21.40	21.47	21.59		
5	16QAM	1	12	21.48	21.53	21.37		
5	16QAM	1	24	21.44	21.62	21.43	22.5	0
5	16QAM	12	0	21.78	21.83	21.74		
5	16QAM	12	7	21.66	21.84	21.59		
5	16QAM	12	13	21.64	21.93	21.80	22.5	0
5	16QAM	25	0	21.68	21.75	21.63		
5	64QAM	1	0	21.52	21.61	21.48		
5	64QAM	1	12	21.16	21.46	21.52	22.5	0
5	64QAM	1	24	21.52	21.24	21.41		
5	64QAM	12	0	21.77	21.86	21.72		
5	64QAM	12	7	21.56	21.61	21.58	22.5	0
5	64QAM	12	13	21.57	21.64	21.60		
5	64QAM	25	0	21.53	21.68	21.58		

Band 42 FCC Part27Q Main PA Ant6 DS11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	22	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.29	21.30	21.18	22	0
20	QPSK	1	49	21.19	21.21	21.05		
20	QPSK	1	99	21.10	21.17	21.13		
20	QPSK	50	0	21.24	21.27	21.12	22	0
20	QPSK	50	24	21.17	21.07	21.03		
20	QPSK	50	50	20.98	21.04	21.10		
20	QPSK	100	0	20.99	21.15	21.07	22	0
20	16QAM	1	0	21.22	21.14	20.99		
20	16QAM	1	49	21.14	21.04	20.99		
20	16QAM	1	99	20.95	20.96	21.00	22	0
20	16QAM	50	0	21.16	21.21	21.01		
20	16QAM	50	24	21.04	21.02	20.90		
20	16QAM	50	50	20.91	20.93	21.05	22	0
20	16QAM	100	0	20.93	20.96	21.04		
20	64QAM	1	0	21.17	21.19	21.02		
20	64QAM	1	49	21.07	21.01	20.96	22	0
20	64QAM	1	99	20.87	20.93	21.07		
20	64QAM	50	0	21.22	21.19	21.09		
20	64QAM	50	24	21.08	21.03	20.93	22	0
20	64QAM	50	50	20.95	20.94	20.96		
20	64QAM	100	0	20.92	20.96	21.01		
Channel				42165	42590	43015	22	0
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	21.18	21.21	21.07	22	0
15	QPSK	1	37	21.16	21.15	21.01		
15	QPSK	1	74	21.04	21.13	21.02		
15	QPSK	36	0	21.18	21.22	21.08	22	0
15	QPSK	36	20	21.04	21.02	20.97		
15	QPSK	36	39	20.88	20.91	21.01		
15	QPSK	75	0	20.94	21.12	20.95	22	0
15	16QAM	1	0	21.17	21.03	20.91		
15	16QAM	1	37	21.02	20.92	20.79		
15	16QAM	1	74	20.89	20.91	20.94	22	0
15	16QAM	36	0	21.13	21.19	20.94		
15	16QAM	36	20	21.01	20.97	20.85		
15	16QAM	36	39	20.84	20.79	20.93	22	0
15	16QAM	75	0	20.87	20.82	20.90		
15	64QAM	1	0	21.05	21.12	20.99		
15	64QAM	1	37	21.05	20.87	20.84	22	0
15	64QAM	1	74	20.74	20.85	21.00		
15	64QAM	36	0	21.19	21.11	21.07		
15	64QAM	36	20	20.99	20.94	20.90	22	0
15	64QAM	36	39	20.73	20.81	20.83		
15	64QAM	75	0	20.89	20.86	20.89		
Channel				42140	42590	43040	22	0
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	21.27	21.22	21.07	22	0
10	QPSK	1	25	21.16	21.11	20.96		
10	QPSK	1	49	21.00	21.11	21.04		
10	QPSK	25	0	21.19	21.20	21.06	22	0
10	QPSK	25	12	21.06	21.04	20.98		
10	QPSK	25	25	20.87	21.01	21.07		
10	QPSK	50	0	20.87	21.10	21.00	22	0
10	16QAM	1	0	21.20	21.01	20.96		
10	16QAM	1	25	21.11	20.99	20.77		
10	16QAM	1	49	20.91	20.94	20.94	22	0
10	16QAM	25	0	21.03	21.08	20.92		
10	16QAM	25	12	20.96	20.96	20.79		
10	16QAM	25	25	20.80	20.91	20.99	22	0
10	16QAM	50	0	20.81	20.90	20.98		
10	64QAM	1	0	21.12	21.11	20.96		
10	64QAM	1	25	20.94	20.92	20.94	22	0
10	64QAM	1	49	20.83	20.82	21.05		
10	64QAM	25	0	21.10	21.14	20.96		
10	64QAM	25	12	20.99	20.97	20.87	22	0
10	64QAM	25	25	20.72	20.88	20.87		
10	64QAM	50	0	20.83	20.85	20.89		
Channel				42115	42590	43065	22	0
Frequency (MHz)				3462.5	3500	3542.5		
5	QPSK	1	0	21.18	21.25	21.13	22	0
5	QPSK	1	12	21.08	21.16	20.92		
5	QPSK	1	24	21.03	21.09	21.06		
5	QPSK	12	0	21.19	21.23	21.09	22	0
5	QPSK	12	7	21.14	20.96	20.98		
5	QPSK	12	13	20.95	20.96	21.07		
5	QPSK	25	0	20.91	21.06	20.96	22	0
5	16QAM	1	0	21.13	21.10	20.94		
5	16QAM	1	12	21.12	20.95	20.82		
5	16QAM	1	24	20.85	20.86	20.96	22	0
5	16QAM	12	0	21.11	21.17	20.89		
5	16QAM	12	7	20.92	20.89	20.83		
5	16QAM	12	13	20.84	20.88	21.01	22	0
5	16QAM	25	0	20.90	20.82	20.95		
5	64QAM	1	0	21.13	21.10	20.94		
5	64QAM	1	12	20.96	20.91	20.91	22	0
5	64QAM	1	24	20.84	20.90	21.03		
5	64QAM	12	0	21.19	21.07	21.06		
5	64QAM	12	7	21.04	20.91	20.81	22	0
5	64QAM	12	13	20.74	20.90	20.88		
5	64QAM	25	0	20.83	20.89	20.92		

Band 42 FCC Part27Q Mian PA Ant7 DS11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.10	19.21	19.10	20	0
20	QPSK	1	49	18.89	19.01	19.02		
20	QPSK	1	99	18.96	18.96	18.97		
20	QPSK	50	0	18.95	19.14	19.01	20	0
20	QPSK	50	24	18.84	18.96	18.92		
20	QPSK	50	50	18.87	18.86	18.82		
20	QPSK	100	0	18.91	18.99	18.82	20	0
20	16QAM	1	0	19.00	19.06	18.94		
20	16QAM	1	49	18.77	18.93	18.87		
20	16QAM	1	99	18.86	18.88	18.85	20	0
20	16QAM	50	0	19.01	19.16	19.03		
20	16QAM	50	24	18.76	18.86	18.98		
20	16QAM	50	50	18.88	18.91	18.81	20	0
20	16QAM	100	0	18.95	18.97	18.91		
20	64QAM	1	0	18.96	19.16	19.02		
20	64QAM	1	49	18.81	18.91	18.95	20	0
20	64QAM	1	99	18.88	18.86	18.89		
20	64QAM	50	0	19.02	19.12	18.94		
20	64QAM	50	24	18.82	18.89	18.94	20	0
20	64QAM	50	50	18.93	18.93	18.96		
20	64QAM	100	0	18.86	18.84	18.90		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3467.5	3500	3542.5		
15	QPSK	1	0	18.95	19.15	18.94	20	0
15	QPSK	1	37	18.77	18.96	18.92		
15	QPSK	1	74	18.91	18.91	18.82		
15	QPSK	36	0	18.80	19.06	18.96	20	0
15	QPSK	36	20	18.79	18.80	18.80		
15	QPSK	36	39	18.83	18.74	18.76		
15	QPSK	75	0	18.77	18.85	18.75	20	0
15	16QAM	1	0	18.93	18.94	18.91		
15	16QAM	1	37	18.72	18.87	18.81		
15	16QAM	1	74	18.76	18.76	18.75	20	0
15	16QAM	36	0	18.90	19.01	18.91		
15	16QAM	36	20	18.71	18.73	18.82		
15	16QAM	36	39	18.81	18.86	18.86	20	0
15	16QAM	75	0	18.79	18.81	18.85		
15	64QAM	1	0	18.84	19.03	18.88		
15	64QAM	1	37	18.76	18.85	18.89	20	0
15	64QAM	1	74	18.78	18.81	18.80		
15	64QAM	36	0	18.91	19.00	18.88		
15	64QAM	36	20	18.67	18.83	18.81	20	0
15	64QAM	36	39	18.89	18.83	18.73		
15	64QAM	75	0	18.79	18.70	18.86		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3545		
10	QPSK	1	0	18.95	19.17	18.95	20	0
10	QPSK	1	25	18.80	18.86	18.97		
10	QPSK	1	49	18.84	18.90	18.85		
10	QPSK	25	0	18.80	18.99	18.95	20	0
10	QPSK	25	12	18.70	18.82	18.79		
10	QPSK	25	25	18.76	18.74	18.68		
10	QPSK	50	0	18.75	18.89	18.67	20	0
10	16QAM	1	0	18.94	19.01	18.84		
10	16QAM	1	25	18.71	18.84	18.80		
10	16QAM	1	49	18.75	18.72	18.78	20	0
10	16QAM	25	0	18.95	19.07	18.93		
10	16QAM	25	12	18.61	18.78	18.92		
10	16QAM	25	25	18.75	18.85	18.73	20	0
10	16QAM	50	0	18.75	18.73	18.80		
10	64QAM	1	0	18.91	19.03	18.90		
10	64QAM	1	25	18.74	18.78	18.82	20	0
10	64QAM	1	49	18.83	18.72	18.74		
10	64QAM	25	0	18.88	19.05	18.97		
10	64QAM	25	12	18.71	18.82	18.67	20	0
10	64QAM	25	25	18.80	18.78	18.76		
10	64QAM	50	0	18.79	18.74	18.81		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3542.5		
5	QPSK	1	0	19.04	19.10	19.03	20	0
5	QPSK	1	12	18.82	18.86	18.91		
5	QPSK	1	24	18.87	18.83	18.88		
5	QPSK	12	0	18.90	19.03	18.94	20	0
5	QPSK	12	7	18.75	18.86	18.78		
5	QPSK	12	13	18.74	18.73	18.69		
5	QPSK	25	0	18.77	18.86	18.70	20	0
5	16QAM	1	0	18.96	18.98	18.88		
5	16QAM	1	12	18.66	18.81	18.81		
5	16QAM	1	24	18.72	18.76	18.70	20	0
5	16QAM	12	0	18.90	19.06	18.97		
5	16QAM	12	7	18.71	18.76	18.82		
5	16QAM	12	13	18.83	18.78	18.67	20	0
5	16QAM	25	0	18.71	18.71	18.77		
5	64QAM	1	0	18.86	19.07	18.96		
5	64QAM	1	12	18.71	18.82	18.88	20	0
5	64QAM	1	24	18.80	18.81	18.83		
5	64QAM	12	0	18.88	18.99	18.81		
5	64QAM	12	7	18.74	18.83	18.89	20	0
5	64QAM	12	13	18.80	18.80	18.78		
5	64QAM	25	0	18.71	18.71	18.74		



DSI 3 Power for WWAN Main PA

GSM/ISD	GSM/ISD And DSI3			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)
	Burst Average Power (dBm)	128	188	251	128	188	251	
TX Channel	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.93	33.09	33.05	34.00	23.53	24.09	24.05	25.00
GPRS 1 Tx slot	32.97	33.13	33.07	34.00	23.97	24.13	24.07	25.00
GPRS 2 Tx slot	30.09	30.12	30.04	31.00	24.09	24.12	24.04	25.00
GPRS 3 Tx slot	28.23	28.34	28.19	29.20	23.97	24.08	23.93	24.94
GPRS 4 Tx slot	28.81	28.86	28.84	29.00	23.91	23.95	23.89	25.00
EDGE 1 Tx slot	27.01	27.13	27.08	28.00	18.01	18.13	18.08	19.00
EDGE 2 Tx slot	24.17	24.25	24.10	25.00	18.17	18.25	18.10	19.00
EDGE 3 Tx slot	22.31	22.41	22.28	23.20	16.06	16.16	16.02	16.94
EDGE 4 Tx slot	21.12	21.17	21.04	22.00	16.12	16.17	16.04	16.90

Band	WCDMA V And DSI3			Turn-up Limit (dBm)
	TX Channel	4152	4162	4233
Rx Channel	4327	4407	4459	
Frequency (MHz)	836.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.98	24.11	24.08
3GPP Rel 99	PAC 12.2Kbps	24.04	24.15	24.13
3GPP Rel 6	HS-DPA Subtest-1	23.15	23.15	23.11
3GPP Rel 6	HS-DPA Subtest-2	23.09	23.15	23.07
3GPP Rel 6	HS-DPA Subtest-3	22.64	22.69	22.61
3GPP Rel 6	HS-DPA Subtest-4	22.56	22.63	22.57
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.14	23.10
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.14	23.05
3GPP Rel 8	DC-HSDPA Subtest-3	22.43	22.60	22.53
3GPP Rel 8	DC-HSDPA Subtest-4	22.43	22.56	22.50
3GPP Rel 6	HS-UPA Subtest-1	22.96	23.03	23.05
3GPP Rel 6	HS-UPA Subtest-2	21.06	21.21	21.06
3GPP Rel 6	HS-UPA Subtest-3	22.09	22.26	22.21
3GPP Rel 6	HS-UPA Subtest-4	21.06	21.11	21.03
3GPP Rel 6	HS-UPA Subtest-5	23.02	23.11	23.05
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	20.51	20.70	20.64

GSM850 Ant1 DS3									
GSM850		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
Tx Channel		126	189	251	Limit		126	189	251
Frequency (MHz)		844.2	848.4	848.8	(dBm)		844.2	848.4	848.8
GSM 1 Tx slot		32.02	32.11	32.02	33.50		23.02	23.11	23.02
GPRS 1 Tx slot		32.05	32.16	32.08	33.50		23.05	23.16	23.08
GPRS 2 Tx slots		29.21	29.24	29.17	30.50		23.21	23.24	23.17
GPRS 3 Tx slots		27.46	27.44	27.34	28.50		23.14	23.16	23.08
GPRS 4 Tx slots		25.97	26.07	26.00	27.50		22.97	23.07	23.00
EDGE 1 Tx slot		26.21	26.25	26.11	27.50		17.21	17.25	17.11
EDGE 2 Tx slots		23.24	23.25	23.16	24.50		17.24	17.25	17.16
EDGE 3 Tx slots		21.40	21.53	21.48	22.70		17.14	17.27	17.22
EDGE 4 Tx slots		20.15	20.28	20.24	21.50		17.15	17.28	17.24

GSM1900 Ant1 DS3									
GSM1900		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
Tx Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1852.2	1862	1862.8	(dBm)		1852.2	1862	1862.8
GSM 1 Tx slot		28.13	28.15	28.15	30.00		19.13	19.19	19.15
GPRS 1 Tx slot		28.16	28.24	28.22	30.00		19.16	19.24	19.22
GPRS 2 Tx slots		25.27	25.31	25.25	27.00		19.27	19.31	19.25
GPRS 3 Tx slots		23.65	23.95	23.87	25.20		19.62	19.70	19.61
GPRS 4 Tx slots		22.35	22.47	22.37	24.00		19.35	19.47	19.37
EDGE 1 Tx slot		24.79	24.88	24.82	26.00		15.79	15.88	15.82
EDGE 2 Tx slots		21.97	22.07	21.93	23.00		15.97	16.07	15.93
EDGE 3 Tx slots		19.90	20.03	19.89	21.20		15.64	15.77	15.63
EDGE 4 Tx slots		19.20	19.26	19.21	20.00		16.20	16.26	16.21

	WCDMA S Ant1 DS3					WCDMA IV Ant1 DS3					WCDMA V Ant1 DS3				
	Band	WCDMA S		WCDMA IV		Tune-up	WCDMA IV		WCDMA V		Tune-up	WCDMA V		Tune-up	
Tx Channel		9262	9400	9538	Limit (dBm)		1312	1413	1513	Limit (dBm)		4132	4182	4243	
Rx Channel		9662	9800	9938			1537	1638	1738			4357	4407	4458	
Frequency (MHz)		1824.4	1840	1847.6	(dBm)		1122.4	1224	1324.6	(dBm)		4264	4364	4464	
3GPP Rel 99	AMC 12.2kops	22.02	22.05	22.01	24.00		22.02	22.12	22.07	24.00		23.22	23.32	23.29	
3GPP Rel 99	RMC 12.2kops	22.05	22.12	22.03	24.00		22.10	22.19	22.13	24.00		23.27	23.36	23.35	
3GPP Rel 6	HSDPA Subtest-1	21.06	21.14	21.06	23.00		21.15	21.23	21.20	23.00		22.36	22.34	22.30	
3GPP Rel 6	HSDPA Subtest-2	21.01	21.11	21.03	23.00		21.06	21.09	21.06	23.00		22.23	22.35	22.31	
3GPP Rel 6	HSDPA Subtest-3	20.56	20.60	20.60	22.50		20.60	20.69	20.65	22.50		21.76	21.84	21.85	
3GPP Rel 6	HSDPA Subtest-4	20.53	20.59	20.57	22.50		20.50	20.61	20.56	22.50		21.72	21.85	21.83	
3GPP Rel 8	DC-HSDPA Subtest-1	21.03	21.05	21.03	23.00		21.04	21.16	21.09	23.00		22.28	22.31	22.34	
3GPP Rel 8	DC-HSDPA Subtest-2	21.03	21.02	21.03	23.00		21.16	21.13	21.02	23.00		22.17	22.29	22.16	
3GPP Rel 8	DC-HSDPA Subtest-3	20.52	20.55	20.58	22.50		20.56	20.59	20.52	22.50		21.73	21.81	21.66	
3GPP Rel 8	DC-HSDPA Subtest-4	20.56	20.69	20.59	22.50		20.56	20.60	20.54	22.50		21.65	21.82	21.72	
3GPP Rel 6	HSUPA Subtest-1	21.12	21.03	21.01	23.00		21.01	21.16	21.01	23.00		22.16	22.22	22.20	
3GPP Rel 6	HSUPA Subtest-2	19.07	19.06	19.08	21.00		19.11	19.16	19.05	21.00		20.24	20.38	20.35	
3GPP Rel 6	HSUPA Subtest-3	20.11	20.14	20.16	22.00		20.13	20.24	20.24	22.00		21.39	21.45	21.43	
3GPP Rel 6	HSUPA Subtest-4	19.02	19.00	19.03	21.00		19.06	19.03	19.07	21.00		20.20	20.24	20.26	
3GPP Rel 6	HSUPA Subtest-5	21.01	21.01	21.07	23.00		21.05	21.11	21.04	23.00		22.14	22.33	22.18	
3GPP Rel 7	HSPA+ (HQDM) Subtest-1	18.63	18.75	18.58	20.50		18.62	18.70	18.63	20.50		19.78	20.00	19.84	

		GSM1900 Ant2 DSIS						
GSM1900		Burst Average Power (dBm)			Frame Average Power (dBm)			
TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1862.2	1863	1863.8		1862.2	1863	1863.8	
GSM 1 Tx slot	29.89	29.95	29.93	31.00	20.89	20.95	20.93	20.93
GPRS 1 Tx slot	29.92	30.01	29.95	31.00	20.92	21.01	20.95	22.00
GPRS 2 Tx slots	27.08	27.11	27.03	28.00	21.08	21.11	21.03	22.05
GPRS 3 Tx slots	25.21	25.34	25.26	26.20	20.95	21.08	21.00	22.05
GPRS 4 Tx slots	23.82	24.02	23.90	25.00	20.92	21.02	20.90	22.00
EDGE 1 Tx slot	26.15	26.26	26.18	27.00	17.15	17.26	17.18	18.00
EDGE 2 Tx slots	23.35	23.44	23.35	24.00	17.35	17.44	17.35	18.00
EDGE 3 Tx slots	21.53	21.56	21.50	22.20	17.27	17.30	17.24	18.00
EDGE 4 Tx slots	20.54	20.68	20.60	21.00	17.54	17.68	17.60	18.00

		WCDMA II Ant2 DSIS			WCDMA IV Ant2 DSIS				
Band		WCDMA II			WCDMA IV				
TX Channel		9262	9400	9538	Time-up	1537	1413	1413	Time-up
Rx Channel		9662	9800	9938	Limit	1537	1638	1738	Limit
Frequency (MHz)		19214	18900	19716	(dBm)	1712.4	1729.5	1807.5	(dBm)
3GPP Rel 99	AMC 12.2kbps	23.47	23.56	23.53	25.00	23.43	23.55	24.48	25.00
3GPP Rel 99	RMC 12.2kbps	23.50	23.61	23.50	25.00	23.50	23.57	23.52	25.00
3GPP Rel 6	HSDPA Subtest-1	22.48	22.89	22.63	24.00	22.52	22.58	22.59	24.00
3GPP Rel 6	HSDPA Subtest-2	22.54	22.53	22.96	24.00	22.57	22.59	22.60	24.00
3GPP Rel 6	HSDPA Subtest-3	22.09	22.11	22.02	23.50	22.07	22.16	22.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.00	22.02	22.00	23.50	21.94	22.01	22.03	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.53	22.57	24.00	22.54	22.55	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.48	22.55	22.46	24.00	22.47	22.55	22.43	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.88	22.05	21.93	23.50	21.94	22.08	21.93	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.90	22.02	21.96	23.50	21.82	21.96	21.93	23.50
3GPP Rel 6	HSPA Subtest-1	22.34	22.47	22.50	24.00	22.41	22.49	22.45	24.00
3GPP Rel 6	HSPA Subtest-2	20.95	20.65	20.95	22.00	20.96	20.64	20.57	22.00
3GPP Rel 6	HSPA Subtest-3	21.62	21.71	21.68	23.00	21.62	21.63	21.60	23.00
3GPP Rel 6	HSPA Subtest-4	20.46	20.50	20.51	22.00	20.46	20.52	20.42	22.00
3GPP Rel 6	HSPA Subtest-5	22.39	22.60	22.42	24.00	22.45	22.59	22.45	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.07	20.14	20.08	21.50	20.11	20.21	20.06	21.50

Band 41 Main PA Ant3 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				36750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.12	23.10	23.25	23.20	23.06	24.5	0	
20	QPSK	1	49	23.03	22.98	23.12	23.07	23.03			
20	QPSK	1	99	23.01	22.97	23.12	22.97	23.02			
20	QPSK	50	0	22.26	22.20	22.41	22.28	22.26			
20	QPSK	50	24	22.23	22.15	22.30	22.26	22.13	23.5	1	
20	QPSK	50	50	22.17	22.12	22.24	22.18	22.05			
20	QPSK	100	0	22.18	22.15	22.30	22.13	22.12			
20	16QAM	1	0	22.11	22.17	22.17	22.13	22.00			
20	16QAM	1	49	22.14	22.05	22.19	22.13	22.01	23.5	1	
20	16QAM	1	99	22.02	22.06	22.14	22.11	21.94			
20	16QAM	50	0	21.17	21.24	21.26	21.23	21.11			
20	16QAM	50	24	21.07	21.09	21.18	21.14	21.08			
20	16QAM	50	50	21.17	21.11	21.27	21.19	21.08	22.5	2	
20	16QAM	100	0	21.06	21.08	21.13	21.05	20.95			
20	64QAM	1	0	20.85	20.86	20.97	20.95	20.86			
20	64QAM	1	49	20.71	20.78	20.83	20.84	20.70			
20	64QAM	1	99	20.78	20.68	20.89	20.78	20.79	22.5	2	
20	64QAM	50	0	20.18	20.12	20.25	20.20	20.07			
20	64QAM	50	24	20.08	20.08	20.21	20.11	20.06			
20	64QAM	50	50	20.16	20.27	20.26	20.15	20.16			
20	64QAM	100	0	20.07	20.03	20.11	20.16	19.98			
Channel				36725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2541.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.08	23.04	23.20	23.06	22.92	25	0	
15	QPSK	1	37	22.99	22.85	23.04	23.01	22.95			
15	QPSK	1	74	22.94	22.89	23.01	22.90	22.88			
15	QPSK	36	0	22.21	22.06	22.29	22.17	22.22			
15	QPSK	36	29	22.13	22.08	22.16	22.24	22.04	23.5	1	
15	QPSK	36	39	22.03	22.05	22.19	22.05	21.91			
15	QPSK	75	0	22.10	22.11	22.15	21.99	22.06			
15	16QAM	1	0	22.05	22.11	22.07	22.08	21.95			
15	16QAM	1	37	22.04	21.95	22.06	22.03	21.90	23.5	1	
15	16QAM	1	74	21.87	21.94	22.00	22.05	21.89			
15	16QAM	36	0	21.09	21.16	21.15	21.13	20.96			
15	16QAM	36	20	21.02	20.98	21.08	21.04	21.02			
15	16QAM	36	39	21.03	21.02	21.24	21.11	21.04	22.5	2	
15	16QAM	75	0	20.93	21.00	20.98	20.96	20.86			
15	64QAM	1	0	20.73	20.75	20.89	20.75	20.80			
15	64QAM	1	37	20.81	20.74	20.73	20.74	20.59			
15	64QAM	1	74	20.73	20.58	20.75	20.71	20.67	22.5	2	
15	64QAM	36	0	20.08	20.05	20.17	20.09	20.02			
15	64QAM	36	20	20.02	20.01	20.17	19.97	20.00			
15	64QAM	36	39	20.04	20.16	20.18	20.09	20.06			
15	64QAM	75	0	19.99	19.94	20.01	20.10	19.87			
Channel				36700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.1	2541	2593	2636.8	2681.5			
10	QPSK	1	0	23.01	22.98	23.15	23.06	22.92	25	0	
10	QPSK	1	25	22.91	22.93	23.03	22.93	22.97			
10	QPSK	1	49	22.93	22.84	23.08	22.88	22.97			
10	QPSK	25	0	22.12	22.10	22.38	22.17	22.18			
10	QPSK	25	12	22.16	22.09	22.17	22.16	22.09	23.5	1	
10	QPSK	25	25	22.10	21.98	22.19	22.09	22.02			
10	QPSK	60	0	22.10	22.01	22.24	22.09	22.02			
10	16QAM	1	0	21.97	22.03	22.08	22.09	21.89			
10	16QAM	1	25	22.03	22.01	22.09	22.00	21.91	23.5	1	
10	16QAM	1	49	21.90	22.02	22.06	22.06	21.90			
10	16QAM	25	0	21.11	21.12	21.19	21.13	20.98			
10	16QAM	25	12	20.99	21.04	21.04	21.02	21.05			
10	16QAM	25	25	21.12	20.97	21.13	21.09	21.00	22.5	2	
10	16QAM	50	0	21.02	20.97	21.05	20.94	20.87			
10	64QAM	1	0	20.80	20.79	20.85	20.71	20.77			
10	64QAM	1	25	20.57	20.66	20.76	20.76	20.56			
10	64QAM	1	49	20.65	20.61	20.75	20.65	20.71	22.5	2	
10	64QAM	25	0	20.09	20.07	20.14	20.09	20.01			
10	64QAM	25	12	20.02	19.99	20.17	19.96	19.98			
10	64QAM	25	25	20.04	20.19	20.13	20.00	20.04			
10	64QAM	50	0	20.00	19.92	20.02	20.02	19.88			
Channel				36675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.00	23.04	23.20	23.13	22.98	25	0	
5	QPSK	1	12	22.94	22.90	23.01	22.93	23.00			
5	QPSK	1	24	22.98	22.92	23.07	22.88	22.98			
5	QPSK	12	0	22.22	22.15	22.33	22.25	22.21			
5	QPSK	12	7	22.11	22.11	22.26	22.18	22.10	23.5	1	
5	QPSK	12	13	22.05	22.06	22.18	22.14	21.94			
5	QPSK	25	0	22.15	22.08	22.26	22.09	22.01			
5	16QAM	1	0	22.03	22.13	22.12	22.07	21.91			
5	16QAM	1	12	22.09	21.95	22.10	22.05	21.87	23.5	1	
5	16QAM	1	24	21.90	21.92	22.05	22.05	21.86			
5	16QAM	12	0	21.07	21.14	21.20	21.12	21.07			
5	16QAM	12	7	20.95	20.98	21.13	21.01	21.02			
5	16QAM	12	13	21.05	20.98	21.20	21.13	20.98	22.5	2	
5	16QAM	25	0	20.92	21.02	21.00	20.96	20.87			
5	64QAM	1	0	20.77	20.78	20.89	20.76	20.80			
5	64QAM	1	12	20.60	20.68	20.71	20.71	20.61			
5	64QAM	1	24	20.70	20.59	20.78	20.70	20.65	21.5	3	
5	64QAM	12	0	20.09	20.01	20.11	20.11	20.02			
5	64QAM	12	7	20.04	19.97	20.13	19.97	19.95			
5	64QAM	12	13	20.09	20.18	20.20	20.03	20.07			
5	64QAM	25	0	19.97	19.95	20.08	20.08	19.89			

Band 42 FCC Part27Q Main PA Ant5 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990	22.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.07	22.19	22.02	22.5	0
20	QPSK	1	49	22.02	22.14	21.95		
20	QPSK	1	99	21.78	22.16	21.95	22.5	0
20	QPSK	50	0	21.63	21.98	21.85		
20	QPSK	50	24	21.54	21.91	21.54	22.5	0
20	QPSK	50	50	21.52	21.69	21.75		
20	QPSK	100	0	21.62	21.77	21.62	22.5	0
20	16QAM	1	0	21.51	21.60	21.65		
20	16QAM	1	49	21.59	21.63	21.39	22.5	0
20	16QAM	1	99	21.54	21.72	21.56		
20	16QAM	50	0	21.36	21.86	21.82	22.5	0
20	16QAM	50	24	21.74	21.89	21.69		
20	16QAM	50	50	21.74	21.99	21.87	22.5	0
20	16QAM	100	0	21.76	21.81	21.78		
20	64QAM	1	0	21.55	21.73	21.59	22.5	0
20	64QAM	1	49	21.30	21.53	21.59		
20	64QAM	1	99	21.56	21.35	21.54	22.5	0
20	64QAM	50	0	21.88	21.89	21.81		
20	64QAM	50	24	21.62	21.74	21.64	22.5	0
20	64QAM	50	50	21.61	21.75	21.69		
20	64QAM	100	0	21.65	21.72	21.61	22.5	0
Channel				42165	42990	43015		
Frequency (MHz)				3457.5	3500	3542.5	22.5	0
15	QPSK	1	0	22.04	22.07	21.96		
15	QPSK	1	37	21.90	22.09	21.88	22.5	0
15	QPSK	1	74	21.75	22.13	21.91		
15	QPSK	36	0	21.60	21.88	21.75	22.5	0
15	QPSK	36	20	21.42	21.85	21.42		
15	QPSK	36	36	21.39	21.58	21.69	22.5	0
15	QPSK	75	0	21.55	21.63	21.48		
15	16QAM	1	0	21.49	21.54	21.58	22.5	0
15	16QAM	1	37	21.45	21.53	21.37		
15	16QAM	1	74	21.48	21.70	21.49	22.5	0
15	16QAM	36	0	21.77	21.72	21.70		
15	16QAM	36	20	21.64	21.81	21.66	22.5	0
15	16QAM	36	39	21.84	21.85	21.84		
15	16QAM	75	0	21.66	21.78	21.76	22.5	0
15	64QAM	1	0	21.50	21.69	21.47		
15	64QAM	1	37	21.26	21.42	21.50	22.5	0
15	64QAM	1	74	21.46	21.25	21.52		
15	64QAM	36	0	21.73	21.83	21.71	22.5	0
15	64QAM	36	20	21.57	21.68	21.58		
15	64QAM	36	39	21.52	21.68	21.54	22.5	0
15	64QAM	75	0	21.62	21.60	21.51		
Channel				42140	42990	43040	22.5	0
Frequency (MHz)				3465	3500	3535		
10	QPSK	1	0	22.00	22.15	21.93	22.5	0
10	QPSK	1	25	21.89	22.08	21.92		
10	QPSK	1	49	21.75	22.05	21.83	22.5	0
10	QPSK	25	0	21.59	21.91	21.80		
10	QPSK	25	12	21.44	21.79	21.51	22.5	0
10	QPSK	25	25	21.49	21.56	21.71		
10	QPSK	50	0	21.55	21.72	21.57	22.5	0
10	16QAM	1	0	21.46	21.50	21.56		
10	16QAM	1	25	21.46	21.55	21.32	22.5	0
10	16QAM	1	49	21.46	21.62	21.47		
10	16QAM	25	0	21.78	21.82	21.79	22.5	0
10	16QAM	25	12	21.70	21.86	21.59		
10	16QAM	25	25	21.69	21.91	21.74	22.5	0
10	16QAM	50	0	21.66	21.79	21.67		
10	64QAM	1	0	21.52	21.64	21.56	22.5	0
10	64QAM	1	25	21.20	21.43	21.49		
10	64QAM	1	49	21.54	21.23	21.46	22.5	0
10	64QAM	25	0	21.78	21.62	21.75		
10	64QAM	25	12	21.58	21.59	21.59	22.5	0
10	64QAM	25	25	21.50	21.69	21.61		
10	64QAM	50	0	21.60	21.63	21.53	22.5	0
Channel				42115	42990	43095		
Frequency (MHz)				3472.5	3500	3527.5	22.5	0
5	QPSK	1	0	22.05	22.12	21.93		
5	QPSK	1	12	21.85	22.10	21.84	22.5	0
5	QPSK	1	24	21.71	22.10	21.89		
5	QPSK	12	0	21.57	21.89	21.77	22.5	0
5	QPSK	12	7	21.51	21.84	21.41		
5	QPSK	12	13	21.47	21.62	21.69	22.5	0
5	QPSK	25	0	21.63	21.64	21.49		
5	16QAM	1	0	21.40	21.47	21.59	22.5	0
5	16QAM	1	12	21.48	21.53	21.37		
5	16QAM	1	24	21.44	21.62	21.43	22.5	0
5	16QAM	12	0	21.78	21.83	21.74		
5	16QAM	12	7	21.66	21.84	21.59	22.5	0
5	16QAM	12	13	21.64	21.93	21.60		
5	16QAM	25	0	21.66	21.75	21.63	22.5	0
5	64QAM	1	0	21.62	21.61	21.48		
5	64QAM	1	12	21.18	21.46	21.52	22.5	0
5	64QAM	1	24	21.52	21.24	21.41		
5	64QAM	12	0	21.77	21.86	21.72	22.5	0
5	64QAM	12	7	21.56	21.61	21.58		
5	64QAM	12	13	21.67	21.64	21.60	22.5	0
5	64QAM	25	0	21.63	21.68	21.58		

Band 42 FCC Part27Q Main PA Ant6 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.29	21.30	21.16	22	0
20	QPSK	1	49	21.19	21.21	21.05		
20	QPSK	1	99	21.10	21.17	21.13		
20	QPSK	50	0	21.24	21.27	21.12		
20	QPSK	50	24	21.17	21.07	21.03	22	0
20	QPSK	50	53	20.98	21.04	21.10		
20	QPSK	100	0	20.99	21.15	21.07		
20	16QAM	1	0	21.22	21.14	20.99		
20	16QAM	1	49	21.14	21.04	20.89	22	0
20	16QAM	1	99	20.95	20.96	21.00		
20	16QAM	50	0	21.16	21.21	21.07		
20	16QAM	50	24	21.04	21.02	20.90		
20	16QAM	50	50	20.91	20.93	21.05	22	0
20	16QAM	100	0	20.93	20.95	21.04		
20	64QAM	1	0	21.17	21.19	21.02		
20	64QAM	1	49	21.07	21.01	20.98		
20	64QAM	1	99	20.87	20.93	21.07	22	0
20	64QAM	50	0	21.22	21.19	21.09		
20	64QAM	50	24	21.08	21.03	20.93		
20	64QAM	50	50	20.95	20.94	20.96		
20	64QAM	100	0	20.92	20.96	21.01		
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.18	21.21	21.07	22	0
15	QPSK	1	37	21.16	21.15	21.01		
15	QPSK	1	74	21.04	21.13	21.02		
15	QPSK	36	0	21.18	21.22	21.08		
15	QPSK	36	20	21.04	21.02	20.97	22	0
15	QPSK	36	36	20.98	20.91	21.07		
15	QPSK	75	0	20.94	21.12	20.95		
15	16QAM	1	0	21.17	21.03	20.91		
15	16QAM	1	37	21.02	20.92	20.79	22	0
15	16QAM	1	74	20.89	20.91	20.94		
15	16QAM	36	0	21.13	21.19	20.94		
15	16QAM	36	20	21.01	20.97	20.85		
15	16QAM	36	39	20.84	20.79	20.93	22	0
15	16QAM	75	0	20.87	20.82	20.96		
15	64QAM	1	0	21.05	21.12	20.99		
15	64QAM	1	37	21.05	20.87	20.84		
15	64QAM	1	74	20.74	20.85	21.00	22	0
15	64QAM	36	0	21.19	21.11	21.07		
15	64QAM	36	20	20.99	20.94	20.96		
15	64QAM	36	39	20.73	20.81	20.83		
15	64QAM	75	0	20.89	20.86	20.89		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.27	21.22	21.07	22	0
10	QPSK	1	25	21.16	21.11	20.96		
10	QPSK	1	49	21.00	21.11	21.04		
10	QPSK	25	0	21.19	21.20	21.06		
10	QPSK	25	12	21.08	21.04	20.96	22	0
10	QPSK	25	25	20.87	21.01	21.07		
10	QPSK	50	0	20.87	21.10	21.00		
10	16QAM	1	0	21.20	21.01	20.96		
10	16QAM	1	25	21.11	20.99	20.77	22	0
10	16QAM	1	49	20.91	20.94	20.94		
10	16QAM	25	0	21.03	21.08	20.92		
10	16QAM	25	12	20.96	20.96	20.79		
10	16QAM	25	25	20.80	20.91	20.99	22	0
10	16QAM	50	0	20.91	20.90	20.98		
10	64QAM	1	0	21.12	21.11	20.96		
10	64QAM	1	25	20.84	20.92	20.94		
10	64QAM	1	49	20.83	20.82	21.05	22	0
10	64QAM	25	0	21.10	21.14	20.96		
10	64QAM	25	12	20.99	20.97	20.87		
10	64QAM	25	25	20.72	20.88	20.87		
10	64QAM	50	0	20.83	20.85	20.89		
Channel				42115	42590	43095		
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.18	21.25	21.13	22	0
5	QPSK	1	12	21.08	21.16	20.92		
5	QPSK	1	24	21.03	21.09	21.06		
5	QPSK	12	0	21.19	21.23	21.09		
5	QPSK	12	7	21.14	20.96	20.98	22	0
5	QPSK	12	13	20.95	20.96	21.07		
5	QPSK	25	0	20.91	21.06	20.96		
5	16QAM	1	0	21.13	21.10	20.94		
5	16QAM	1	12	21.12	20.95	20.92	22	0
5	16QAM	1	24	20.85	20.86	20.96		
5	16QAM	12	0	21.11	21.17	20.89		
5	16QAM	12	7	20.92	20.89	20.83		
5	16QAM	12	13	20.84	20.88	21.01	22	0
5	16QAM	25	0	20.90	20.82	20.95		
5	64QAM	1	0	21.13	21.10	20.94		
5	64QAM	1	12	20.98	20.91	20.91		
5	64QAM	1	24	20.84	20.90	21.03	22	0
5	64QAM	12	0	21.19	21.07	21.06		
5	64QAM	12	7	21.04	20.91	20.81		
5	64QAM	12	13	20.74	20.90	20.88		
5	64QAM	25	0	20.83	20.89	20.92		

Band 42 FCC Part27Q Mian PA Ant7 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	24.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.25	23.48	23.5	1
20	QPSK	1	49	23.32	23.44	23.38		
20	QPSK	1	99	23.36	23.43	23.36	23.5	1
20	QPSK	50	0	22.45	22.50	22.40		
20	QPSK	50	24	22.37	22.49	22.43	23.5	1
20	QPSK	50	50	22.30	22.35	22.23		
20	QPSK	100	0	22.28	22.37	22.25	23.5	1
20	16QAM	1	0	22.28	22.37	22.33		
20	16QAM	1	49	22.20	22.33	22.19	22.5	2
20	16QAM	1	99	22.15	22.25	22.12		
20	16QAM	50	0	21.40	21.50	21.45	22.5	2
20	16QAM	50	24	21.32	21.48	21.36		
20	16QAM	50	50	21.34	21.48	21.39	22.5	2
20	16QAM	100	0	21.21	21.34	21.28		
20	64QAM	1	0	21.35	21.42	21.33	22.5	2
20	64QAM	1	49	21.27	21.35	21.28		
20	64QAM	1	99	21.16	21.25	21.12	21.5	3
20	64QAM	50	0	20.41	20.50	20.43		
20	64QAM	50	24	20.35	20.38	20.26	21.5	3
20	64QAM	50	50	20.32	20.46	20.33		
20	64QAM	100	0	20.26	20.35	20.28	21.5	3
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5	24.5	0
15	QPSK	1	0	23.44	23.50	23.43		
15	QPSK	1	37	23.25	23.32	23.32	23.5	1
15	QPSK	1	74	23.22	23.39	23.24		
15	QPSK	36	0	22.41	22.35	22.30	23.5	1
15	QPSK	36	20	22.28	22.36	22.35		
15	QPSK	36	36	22.17	22.31	22.18	23.5	1
15	QPSK	75	0	22.24	22.32	22.11		
15	16QAM	1	0	22.25	22.25	22.25	23.5	1
15	16QAM	1	37	22.12	22.20	22.14		
15	16QAM	1	74	22.07	22.15	22.03	22.5	2
15	16QAM	36	0	21.31	21.37	21.37		
15	16QAM	36	20	21.29	21.38	21.29	22.5	2
15	16QAM	36	39	21.31	21.34	21.31		
15	16QAM	75	0	21.14	21.21	21.15	22.5	2
15	64QAM	1	0	21.24	21.28	21.22		
15	64QAM	1	37	21.16	21.32	21.15	21.5	3
15	64QAM	1	74	21.11	21.22	21.00		
15	64QAM	36	0	20.33	20.46	20.30	21.5	3
15	64QAM	36	20	20.25	20.39	20.22		
15	64QAM	36	39	20.28	20.34	20.28	21.5	3
15	64QAM	75	0	20.15	20.23	20.22		
Channel				42140	42590	43040	24.5	0
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.38	23.48	23.34	24.5	0
10	QPSK	1	25	23.18	23.29	23.29		
10	QPSK	1	49	23.31	23.32	23.33	23.5	1
10	QPSK	25	0	22.33	22.38	22.36		
10	QPSK	25	12	22.28	22.42	22.35	23.5	1
10	QPSK	25	25	22.18	22.29	22.13		
10	QPSK	50	0	22.23	22.29	22.19	23.5	1
10	16QAM	1	0	22.17	22.33	22.26		
10	16QAM	1	25	22.11	22.18	22.12	22.5	2
10	16QAM	1	49	22.00	22.13	21.98		
10	16QAM	25	0	21.31	21.45	21.38	22.5	2
10	16QAM	25	12	21.27	21.40	21.21		
10	16QAM	25	25	21.21	21.44	21.29	21.5	3
10	16QAM	50	0	21.09	21.24	21.18		
10	64QAM	1	0	21.24	21.31	21.20	22.5	2
10	64QAM	1	25	21.23	21.28	21.21		
10	64QAM	1	49	21.09	21.17	21.08	21.5	3
10	64QAM	25	0	20.33	20.37	20.40		
10	64QAM	25	12	20.32	20.33	20.12	21.5	3
10	64QAM	25	25	20.22	20.33	20.26		
10	64QAM	50	0	20.15	20.25	20.18	21.5	3
Channel				42115	42590	43055		
Frequency (MHz)				3452.5	3500	3547.5	24.5	0
5	QPSK	1	0	23.45	23.48	23.35		
5	QPSK	1	12	23.18	23.31	23.31	23.5	1
5	QPSK	1	24	23.29	23.36	23.28		
5	QPSK	12	0	22.35	22.45	22.36	23.5	1
5	QPSK	12	7	22.29	22.45	22.36		
5	QPSK	12	13	22.26	22.28	22.10	23.5	1
5	QPSK	25	0	22.25	22.32	22.17		
5	16QAM	1	0	22.23	22.30	22.23	23.5	1
5	16QAM	1	12	22.16	22.26	22.14		
5	16QAM	1	24	22.01	22.19	22.06	22.5	2
5	16QAM	12	0	21.36	21.46	21.41		
5	16QAM	12	7	21.24	21.33	21.22	22.5	2
5	16QAM	12	13	21.28	21.36	21.28		
5	16QAM	25	0	21.09	21.30	21.17	22.5	2
5	64QAM	1	0	21.28	21.28	21.28		
5	64QAM	1	12	21.16	21.24	21.11	21.5	3
5	64QAM	1	24	21.02	21.21	21.00		
5	64QAM	12	0	20.34	20.37	20.29	21.5	3
5	64QAM	12	7	20.20	20.24	20.21		
5	64QAM	12	13	20.28	20.40	20.20	21.5	3
5	64QAM	25	0	20.13	20.26	20.17		



DSI4 Power for WWAN Main PA

	GSM850 AND DSB4					
	Band	EIRP Average Power (dBm)		Turn-up Limit (dBm)	EIRP Average Power (dBm)	
	TX Channel	824.2	833.4	848.8	824.2	833.4
Frequency (MHz)						
CDMA 1 Tx min	32.03	33.09	33.09	34.06	33.03	34.06
CDMA 1 Tx max	33.97	35.13	35.07	36.06	33.97	34.13
CDMA 2 Tx min	30.09	30.12	30.04	31.09	34.09	34.12
CDMA 3 Tx min	28.21	28.24	28.16	29.20	33.03	33.03
CDMA 4 Tx min	26.81	26.06	26.88	28.09	23.81	23.88
EDGE 1 Tx min	27.81	27.13	27.06	28.09	18.03	18.13
EDGE 2 Tx min	24.17	24.20	24.10	25.09	18.05	18.10
EDGE 3 Tx min	22.81	22.41	22.28	23.09	18.09	18.02
EDGE 4 Tx min	21.12	21.17	21.04	22.09	18.10	18.04

	WCDMA V AND DSB4					
	Band	WCDMA-V		Turn-up Limit (dBm)		
	TX Channel	4192	4192	4283		
	RA Channel	4367	4467	4468		
Frequency (MHz)		836.4	846.4	846.8		
SCPP Rel 99	IMB-TX-Subcar	22.10	22.13	24.10	25.03	
SCPP Rel 99	RMW-TX-Subcar	24.04	24.10	24.13	25.09	
SCPP Rel 6	HSDPA Subcar-1	22.10	22.10	22.11	24.06	
SCPP Rel 6	HSDPA Subcar-2	23.10	23.10	23.07	24.06	
SCPP Rel 6	HSDPA Subcar-3	22.04	22.09	22.01	23.09	
SCPP Rel 6	HSDPA Subcar-4	22.06	22.03	22.07	23.09	
SCPP Rel 6	DC-HSDPA Subcar-1	23.03	23.14	23.10	24.09	
SCPP Rel 6	DC-HSDPA Subcar-2	22.04	22.14	22.06	24.09	
SCPP Rel 6	DC-HSDPA Subcar-3	22.45	22.60	22.53	23.09	
SCPP Rel 6	DC-HSDPA Subcar-4	22.43	22.06	22.09	23.09	
SCPP Rel 6	HSPA Subcar-1	22.08	23.03	23.05	24.09	
SCPP Rel 6	HSPA Subcar-2	21.08	21.21	21.06	22.09	
SCPP Rel 6	HSPA Subcar-3	20.00	20.20	20.21	20.09	
SCPP Rel 6	HSPA Subcar-4	21.06	21.11	21.03	22.09	
SCPP Rel 6	HSPA Subcar-5	21.00	21.1	21.09	24.09	
SCPP Rel 7	HSPA+1 TQDM-Subcar-1	20.07	20.20	20.04	21.09	



GSM1900 AHD DBA						
Beam	Burst Average Power (dBm)			Tx Power		
	192	193	194	Limit	192	193
Frequency (MHz)	1895.2	1895	1895.8	(dBm)	1895.2	1895
QPSK 1 Tx min	23.39	23.82	23.53	21.00	21.69	20.99
QPSK 1 Tx max	25.92	30.01	29.95	31.00	22.92	21.91
QPSK 2 Tx min	21.08	21.11	21.03	28.00	21.08	21.11
QPSK 3 Tx min	20.21	20.24	20.26	26.00	20.95	21.08
QPSK 4 Tx min	20.92	24.92	23.90	26.00	20.92	21.92
EDGE 1 Tx min	20.15	20.25	20.18	27.00	17.15	17.26
EDGE 2 Tx min	23.36	23.44	23.35	24.00	17.36	17.44
EDGE 3 Tx min	21.93	21.92	21.90	22.00	17.23	17.24
EDGE 4 Tx min	20.94	20.98	20.90	21.00	17.94	17.93

WCDMA II AHD DBA						
Beam	WCDMA II			WCDMA IV		
	9802	9803	9808	10112	10113	10114
Tx Channel	9802	9803	9808	10112	10113	10114
Frequency (MHz)	172.4	172.5	172.6	172.4	172.5	172.6
SOPP Rel 98	20.01	20.00	20.00	21.50	22.00	21.93
SOPP Rel 98	20.02	20.10	20.11	21.50	21.87	21.86
SOPP Rel 8	18.96	19.20	19.16	20.00	21.67	21.60
SOPP Rel 8	18.94	18.93	18.98	20.00	21.83	21.84
SOPP Rel 6	18.55	18.64	18.53	20.00	20.67	20.50
SOPP Rel 6	18.55	18.57	18.48	20.00	20.59	20.50
SOPP Rel 8	18.93	19.08	18.12	20.00	21.82	20.85
SOPP Rel 8	18.90	19.02	18.96	20.00	20.96	20.91
SOPP Rel 8	18.31	18.50	18.44	20.00	20.44	20.48
SOPP Rel 8	18.43	18.51	18.49	20.00	20.37	20.37
SOPP Rel 8	18.05	18.08	18.06	20.00	20.91	21.84
SOPP Rel 6	17.03	17.11	17.01	18.00	19.05	19.08
SOPP Rel 6	18.17	18.26	18.13	19.00	20.16	20.08
SOPP Rel 6	18.31	18.07	18.06	18.00	18.09	18.10
SOPP Rel 6	18.93	19.00	18.96	20.00	21.67	21.64
SOPP Rel 7	18.55	18.63	18.53	18.00	18.60	18.50



Band 41 Main PA Ant3 DSI4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Power High-Low Ch / Freq	Turn-up time (dBm)	MPE (dB)		
Channel													
Frequency (MHz)				39750	40185	40620	41055	41490					
20	QPSK	1	0	20.66	20.69	20.66	20.75	20.73	22	0			
20	QPSK	1	49	20.55	20.54	20.71	20.52	20.58					
20	QPSK	1	99	20.60	20.47	20.57	20.59	20.53					
20	QPSK	50	0	20.80	20.84	20.70	20.55	20.68					
20	QPSK	50	24	20.47	20.56	20.75	20.64	20.54	22	0			
20	QPSK	50	50	20.53	20.37	20.48	20.49	20.33					
20	QPSK	100	0	20.55	20.56	20.69	20.34	20.42					
20	16QAM	1	0	20.41	20.42	20.44	20.51	20.27					
20	16QAM	1	49	20.45	20.30	20.60	20.40	20.25	22	0			
20	16QAM	1	99	20.50	20.38	20.38	20.48	20.25					
20	16QAM	25	0	20.63	20.73	20.76	20.79	20.62					
20	16QAM	25	24	20.52	20.55	20.62	20.60	20.53					
20	16QAM	50	50	20.62	20.59	20.72	20.68	20.62	22	0			
20	16QAM	100	0	20.54	20.63	20.65	20.51	20.43					
20	64QAM	1	0	20.36	20.35	20.53	20.34	20.34					
20	64QAM	1	49	20.18	20.32	20.32	20.29	20.22					
20	64QAM	1	99	20.26	20.19	20.40	20.31	20.33	22	0			
20	64QAM	50	0	20.18	20.12	20.20	20.20	20.07					
20	64QAM	50	24	20.08	20.08	20.21	20.11	20.06					
20	64QAM	50	50	20.16	20.07	20.25	20.15	20.16					
20	64QAM	100	0	20.07	20.03	20.11	20.16	19.98	21.5				
Channel													
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up time (dBm)	MPE (dB)			
15	QPSK	1	0	20.53	20.53	20.73	20.71	20.69	22	0			
15	QPSK	1	37	20.46	20.45	20.62	20.44	20.51					
15	QPSK	1	74	20.55	20.44	20.47	20.56	20.50					
15	QPSK	36	0	20.49	20.80	20.68	20.44	20.57					
15	QPSK	36	36	20.43	20.48	20.69	20.53	20.48	22	0			
15	QPSK	36	99	20.45	20.27	20.30	20.40	20.21					
15	QPSK	75	0	20.52	20.47	20.58	20.22	20.31					
15	16QAM	1	0	20.31	20.32	20.39	20.43	20.14					
15	16QAM	1	37	20.34	20.17	20.49	20.38	20.11	22	0			
15	16QAM	1	74	20.41	20.32	20.29	20.40	20.16					
15	16QAM	36	0	20.57	20.69	20.63	20.69	20.56					
15	16QAM	36	20	20.39	20.43	20.52	20.50	20.41					
15	16QAM	36	36	20.48	20.48	20.67	20.66	20.58	22	0			
15	16QAM	75	0	20.44	20.56	20.55	20.48	20.36					
15	64QAM	1	0	20.25	20.24	20.44	20.21	20.28					
15	64QAM	1	37	20.12	20.24	20.23	20.36	20.19					
15	64QAM	1	74	20.23	20.19	20.38	20.25	20.28	22	0			
15	64QAM	36	0	20.08	20.05	20.17	20.09	20.02					
15	64QAM	36	20	20.02	20.01	20.17	19.97	20.00					
15	64QAM	36	36	20.04	20.16	20.18	20.09	20.06					
15	64QAM	75	0	19.99	19.94	20.01	20.10	19.87	21.5				
Channel													
Frequency (MHz)				39700	40160	40620	41060	41540	Turn-up time (dBm)	MPE (dB)			
10	QPSK	1	0	20.81	20.59	20.74	20.89	20.87	22	0			
10	QPSK	1	25	20.45	20.40	20.60	20.47	20.46					
10	QPSK	1	49	20.57	20.44	20.53	20.58	20.49					
10	QPSK	25	0	20.50	20.52	20.60	20.50	20.57					
10	QPSK	25	12	20.34	20.45	20.70	20.55	20.51	22	0			
10	QPSK	25	25	20.43	20.31	20.57	20.45	20.25					
10	QPSK	50	0	20.45	20.45	20.59	20.51	20.40					
10	16QAM	1	0	20.36	20.35	20.52	20.48	20.18					
10	16QAM	1	25	20.33	20.18	20.55	20.38	20.20	22	0			
10	16QAM	1	49	20.38	20.27	20.32	20.41	20.15					
10	16QAM	25	0	20.57	20.70	20.73	20.67	20.56					
10	16QAM	25	12	20.38	20.48	20.51	20.59	20.41					
10	16QAM	25	25	20.55	20.50	20.65	20.63	20.55	22	0			
10	16QAM	50	0	20.44	20.53	20.57	20.46	20.40					
10	64QAM	1	0	20.33	20.26	20.41	20.22	20.24					
10	64QAM	1	25	20.16	20.25	20.19	20.20	20.19					
10	64QAM	1	49	20.15	20.08	20.27	20.18	20.28	22	0			
10	64QAM	25	0	20.50	20.07	20.14	20.09	20.01					
10	64QAM	25	12	20.02	19.99	20.17	19.96	19.98					
10	64QAM	25	25	20.04	20.19	20.13	20.00	20.04					
10	64QAM	50	0	20.00	19.92	20.02	20.02	19.88	21.5				
Channel													
Frequency (MHz)				39675	40148	40620	41093	41565	Turn-up time (dBm)	MPE (dB)			
5	QPSK	1	0	20.52	20.57	20.68	20.69	20.67	22	0			
5	QPSK	1	12	20.48	20.44	20.64	20.44	20.54					
5	QPSK	1	24	20.62	20.49	20.45	20.59	20.42					
5	QPSK	12	0	20.55	20.51	20.62	20.51	20.61					
5	QPSK	12	7	20.38	20.44	20.68	20.55	20.43	22	0			
5	QPSK	12	19	20.47	20.33	20.38	20.41	20.29					
5	QPSK	25	0	20.51	20.49	20.58	20.38	20.32					
5	16QAM	1	0	20.34	20.37	20.38	20.37	20.19					
5	16QAM	1	12	20.42	20.25	20.57	20.37	20.12	22	0			
5	16QAM	1	24	20.45	20.33	20.22	20.39	20.23					
5	16QAM	12	0	20.54	20.66	20.63	20.75	20.51					
5	16QAM	12	7	20.41	20.44	20.59	20.51	20.43					
5	16QAM	12	13	20.48	20.49	20.66	20.56	20.59	22	0			
5	16QAM	25	0	20.45	20.56	20.61	20.49	20.38					
5	64QAM	1	1	20.23	20.31	20.41	20.28	20.21					
5	64QAM	1	12	20.11	20.22	20.22	20.27	20.19					
5	64QAM	1	24	20.31	20.12	20.39	20.17	20.34	22	0			
5	64QAM	12	0	20.08	20.01	20.11	20.11	20.02					
5	64QAM	12	7	20.04	19.97	20.13	19.87	19.95					
5	64QAM	12	13	20.00	20.16	20.20	20.00	20.07					
5	64QAM	25	0	19.97	19.95	20.08	20.08	19.89	21.5				

Band 2 Main PA Ant4 DS14														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mid Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Turn-up limit (dBm)	MPE (dB)						
Channel														
Frequency (MHz)				18615	18600	19005	Turn-up limit (dBm)	MPE (dB)						
20	QPSK	1	0	22.21	22.34	22.29	23.5	0						
20	QPSK	1	49	22.26	22.33	22.31								
20	QPSK	1	99	22.13	22.23	22.12								
20	QPSK	50	0	22.27	22.28	22.25								
20	QPSK	50	24	22.15	22.27	22.11	23.5	0						
20	QPSK	50	50	22.09	22.15	22.12								
20	QPSK	100	0	22.23	22.30	22.17								
20	16QAM	100	0	22.24	22.34	22.24								
20	16QAM	1	49	22.18	22.25	22.16	23.5	0						
20	16QAM	1	99	22.10	22.15	22.15								
20	16QAM	1	99	21.35	21.45	21.31								
20	16QAM	50	24	21.17	21.32	21.27								
20	16QAM	50	50	21.29	21.36	21.25	22.5	1						
20	16QAM	100	0	21.24	21.40	21.22								
20	64QAM	1	0	21.39	21.52	21.41								
20	64QAM	1	49	21.43	21.46	21.39								
20	64QAM	1	99	21.36	21.45	21.31	21.5	2						
20	64QAM	50	24	20.43	20.47	20.41								
20	64QAM	50	50	20.35	20.38	20.31								
20	64QAM	100	0	20.22	20.35	20.30								
Channel														
Frequency (MHz)				18675	18600	19255	Turn-up limit (dBm)	MPE (dB)						
15	QPSK	1	0	22.12	22.25	22.21	23.5	0						
15	QPSK	1	37	22.19	22.17	22.06								
15	QPSK	1	74	21.99	22.16	22.06								
15	QPSK	36	0	22.16	22.22	22.04								
15	QPSK	36	39	22.01	22.04	22.01	23.5	0						
15	QPSK	75	0	22.09	22.15	22.06								
15	16QAM	1	0	22.09	22.25	22.14								
15	16QAM	1	37	22.03	22.18	22.01								
15	16QAM	1	74	21.98	22.00	22.02	23.5	0						
15	16QAM	36	0	21.20	21.35	21.16								
15	16QAM	36	20	21.13	21.26	21.12								
15	16QAM	36	39	21.14	21.27	21.13								
15	16QAM	75	0	21.19	21.25	21.07	22.5	1						
15	64QAM	1	0	21.35	21.46	21.28								
15	64QAM	1	37	21.38	21.37	21.25								
15	64QAM	1	74	21.28	21.35	21.23								
15	64QAM	36	0	20.36	20.35	20.33	21.5	2						
15	64QAM	36	20	20.18	20.24	20.20								
15	64QAM	36	39	20.15	20.22	20.15								
15	64QAM	75	0	20.12	20.21	20.15								
Channel														
Frequency (MHz)				18655	18600	19155	Turn-up limit (dBm)	MPE (dB)						
10	QPSK	1	0	22.15	22.17	22.22	23.5	0						
10	QPSK	1	25	22.21	22.18	22.06								
10	QPSK	1	49	21.99	22.17	22.06								
10	QPSK	25	0	22.13	22.15	22.09								
10	QPSK	25	12	22.03	22.23	22.07	23.5	0						
10	QPSK	25	25	22.00	22.07	22.03								
10	QPSK	50	0	22.10	22.15	22.03								
10	16QAM	1	0	22.14	22.25	22.10								
10	16QAM	1	25	22.05	22.15	22.01	23.5	0						
10	16QAM	1	49	21.99	22.05	22.04								
10	16QAM	25	12	21.09	21.23	21.15								
10	16QAM	25	25	21.18	21.27	21.13								
10	16QAM	50	0	21.17	21.19	21.15	22.5	1						
10	64QAM	1	0	21.35	21.46	21.28								
10	64QAM	1	25	21.37	21.43	21.32								
10	64QAM	1	49	21.24	21.28	21.27								
10	64QAM	25	0	20.35	20.34	20.32	21.5	2						
10	64QAM	25	12	20.18	20.23	20.25								
10	64QAM	25	25	20.26	20.39	20.29								
10	64QAM	50	0	20.15	20.22	20.21								
Channel														
Frequency (MHz)				1862.5	18600	19275	Turn-up limit (dBm)	MPE (dB)						
5	QPSK	1	0	22.06	22.17	22.20	23.5	0						
5	QPSK	1	12	22.12	22.18	22.06								
5	QPSK	1	24	22.02	22.17	21.99								
5	QPSK	12	0	22.17	22.19	22.19								
5	QPSK	12	7	22.08	22.19	21.98	23.5	0						
5	QPSK	12	13	21.99	22.06	22.05								
5	QPSK	25	0	22.13	22.16	22.12								
5	16QAM	1	0	22.08	22.15	22.13								
5	16QAM	1	12	22.13	22.10	22.03	23.5	0						
5	16QAM	1	24	22.00	22.07	22.01								
5	16QAM	12	0	21.20	21.25	21.15								
5	16QAM	12	7	21.03	21.24	21.13								
5	16QAM	12	13	21.14	21.21	21.12	22.5	1						
5	64QAM	1	0	21.26	21.40	21.30								
5	64QAM	1	12	21.37	21.44	21.34								
5	64QAM	1	24	21.24	21.30	21.21								
5	64QAM	12	0	20.29	20.39	20.35	21.5	2						
5	64QAM	12	7	20.17	20.35	20.26								
5	64QAM	12	13	20.25	20.31	20.33								
5	64QAM	25	0	20.14	20.21	20.17								
Channel														
Frequency (MHz)				18615	18600	19185					Turn-up limit (dBm)	MPE (dB)		
3	QPSK	1	0	22.16	22.16	22.23	23.5	0						
3	QPSK	1	8	22.14	22.19	22.02								
3	QPSK	1	14	22.06	22.15	22.06								
3	QPSK	8	0	22.18	22.14	22.12								
3	QPSK	8	4	22.03	22.15	21.95	23.5	0						
3	QPSK	8	7	21.96	22.07	21.88								
3	QPSK	15	0	22.11	22.21	22.06								
3	16QAM	1	0	22.10	22.12	22.18								
3	16QAM	1	8	22.11	22.18	22.11	23.5	0						
3	16QAM	1	14	21.95	22.10	22.11								
3	16QAM	8	0	21.21	21.34	21.17								
3	16QAM	8	4	21.08	21.15	21.21								
3	16QAM	8	7	21.15	21.24	21.12	22.5	1						
3	64QAM	1	0	21.29	21.45	21.33								
3	64QAM	1	8	21.28	21.39	21.36								
3	64QAM	1	14	21.33	21.29	21.26								
3	64QAM	8	0	20.38	20.41	20.34	21.5	2						
3	64QAM	8	4	20.20	20.34	20.24								
3	64QAM	8	7	20.35	20.33	20.35								
3	64QAM	15	0	20.11	20.31	20.27								
Channel														
Frequency (MHz)				18607	18600	19093					Turn-up limit (dBm)	MPE (dB)		
1.4	QPSK	1	0	22.17	22.25	22.22	23.5	0						
1.4	QPSK	1	3	22.14	22.22	22.09								

Band 38 Main PA Ant4 DSI4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				31650	30000	30150						
20	QPSK	1	0	22.27	22.36	22.27	22.7	0				
20	QPSK	1	48	22.15	22.30	22.09						
20	QPSK	1	96	22.10	22.32	22.06						
20	QPSK	50	0	22.14	22.25	22.13						
20	QPSK	50	24	22.12	22.00	22.00	22.7	0				
20	QPSK	50	56	22.10	22.07	22.15						
20	QPSK	100	0	22.08	22.17	21.99						
20	16QAM	1	0	22.27	22.20	22.07						
20	16QAM	1	48	22.06	21.98	21.96	22.7	0				
20	16QAM	1	96	22.08	21.99	21.91						
20	16QAM	50	0	22.03	22.22	22.03						
20	16QAM	50	24	22.15	22.30	22.00						
20	16QAM	50	50	22.07	22.25	22.23	22.7	0				
20	16QAM	100	0	21.99	22.27	22.16						
20	64QAM	1	0	22.15	22.22	22.17						
20	64QAM	1	48	22.02	22.09	22.07						
20	64QAM	1	96	21.96	21.97	22.19	22.7	0				
20	64QAM	50	0	22.23	22.28	22.15						
20	64QAM	50	24	22.18	22.25	22.12						
20	64QAM	50	50	22.21	22.29	22.19						
20	64QAM	100	0	22.13	22.17	22.13	22.7	0				
Channel												
Frequency (MHz)				31650	30000	30175	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	22.17	22.26	22.17	22.7	0				
15	QPSK	1	37	22.02	22.26	22.08						
15	QPSK	1	74	22.00	22.08	21.90						
15	QPSK	36	0	22.01	21.92	21.89						
15	QPSK	36	36	22.10	22.03	22.12	22.7	0				
15	QPSK	36	56	22.06	22.09	21.88						
15	16QAM	1	0	22.22	22.17	22.06						
15	16QAM	1	37	21.98	21.96	21.89						
15	16QAM	1	74	21.97	21.89	21.78	22.7	0				
15	16QAM	36	0	22.00	22.07	21.99						
15	16QAM	36	20	22.03	22.21	21.95						
15	16QAM	36	36	22.00	22.22	21.86						
15	16QAM	75	0	21.93	22.19	22.02	22.7	0				
15	64QAM	1	0	22.11	22.10	22.14						
15	64QAM	1	37	21.90	21.97	21.87						
15	64QAM	1	74	21.90	21.95	21.74						
15	64QAM	36	0	22.12	22.23	22.11	22.7	0				
15	64QAM	36	20	22.08	22.10	22.03						
15	64QAM	36	36	22.13	22.15	22.14						
15	64QAM	75	0	22.06	22.10	22.04						
15	64QAM	75	0	22.06	22.10	22.04	22.7	0				
Channel												
Frequency (MHz)				31650	30000	30200	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	22.16	22.32	22.21	22.7	0				
10	QPSK	1	25	22.03	22.17	22.01						
10	QPSK	1	48	22.07	22.14	21.89						
10	QPSK	25	0	22.00	22.16	22.11						
10	QPSK	25	12	22.01	21.94	21.89	22.7	0				
10	QPSK	25	25	22.13	22.22	22.12						
10	QPSK	50	0	22.01	22.13	21.90						
10	16QAM	1	0	22.14	22.07	21.97						
10	16QAM	1	25	21.93	21.96	21.87	22.7	0				
10	16QAM	1	48	22.00	21.95	21.90						
10	16QAM	25	0	21.93	22.05	21.97						
10	16QAM	25	12	22.09	22.22	21.90						
10	16QAM	25	25	22.03	22.15	22.10	22.7	0				
10	16QAM	50	0	21.93	22.15	21.98						
10	64QAM	1	0	22.10	22.15	22.13						
10	64QAM	1	25	21.90	22.05	21.99						
10	64QAM	1	48	21.89	21.84	21.67	22.7	0				
10	64QAM	25	0	22.16	22.24	22.05						
10	64QAM	25	12	22.06	22.15	22.04						
10	64QAM	25	25	22.10	22.20	22.14						
10	64QAM	50	0	22.00	22.03	22.06	22.7	0				
10	64QAM	50	0	22.00	22.03	22.06						
Channel												
Frequency (MHz)				31775	30000	30225				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.18	22.31	22.25	22.7	0				
5	QPSK	1	12	22.12	22.23	21.97						
5	QPSK	1	24	22.02	22.15	21.96						
5	QPSK	12	0	22.00	22.19	22.03						
5	QPSK	12	7	21.99	21.89	21.91	22.7	0				
5	QPSK	12	14	22.09	22.03	22.09						
5	QPSK	24	0	21.95	22.08	21.98						
5	16QAM	1	0	22.24	22.09	22.01						
5	16QAM	1	12	21.98	21.88	21.87	22.7	0				
5	16QAM	1	24	22.04	21.94	21.87						
5	16QAM	12	0	21.94	22.08	21.89						
5	16QAM	12	7	22.09	22.24	21.89						
5	16QAM	12	14	21.94	22.19	22.15	22.7	0				
5	16QAM	25	0	21.87	22.29	22.00						
5	64QAM	1	0	22.13	22.14	22.13						
5	64QAM	1	12	21.90	21.89	22.05						
5	64QAM	1	24	21.90	21.84	21.76	22.7	0				
5	64QAM	12	0	22.17	22.15	22.07						
5	64QAM	12	7	22.06	22.13	22.02						
5	64QAM	25	0	22.13	22.15	22.12						
5	64QAM	25	0	22.10	22.04	22.09	22.7	0				

Band 41 Main PA Ant4 DSI4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Low Power [dBm]	Power Main Power [dBm]	Power High Power [dBm]	Power High Mid Power [dBm]	Power High Low Power [dBm]	Tune-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	39970	40165	40620	41055	41500			
20	QPSK	1	48	39908	39495	39953	40398	40843			
20	QPSK	1	96	22.42	22.28	22.52	22.48	22.54	22.7	0	
20	QPSK	50	0	22.16	22.40	22.29	22.32	22.38			
20	QPSK	50	24	22.40	22.30	22.51	22.13	22.40			
20	QPSK	50	56	22.30	22.31	22.34	22.17	22.31			
20	QPSK	100	0	22.24	22.29	22.18	22.10	22.26	22.7	0	
20	16QAM	1	0	22.45	22.39	22.48	22.31	22.54			
20	16QAM	1	48	22.34	22.28	22.45	22.42	22.41			
20	16QAM	1	96	22.31	22.41	22.40	22.35	22.19			
20	16QAM	50	0	22.18	22.26	22.39	22.40	22.58			
20	16QAM	50	24	22.08	22.11	22.21	22.11	22.28			
20	16QAM	50	50	22.24	22.30	22.42	22.35	22.12			
20	16QAM	100	0	22.23	22.29	22.27	22.24	22.28			
20	64QAM	1	0	21.98	21.88	21.91	21.90	21.83			
20	64QAM	1	48	21.83	21.89	21.85	21.79	22.01	22.7	0	
20	64QAM	1	96	21.79	21.82	21.59	21.80	21.73			
20	64QAM	50	0	22.40	22.39	22.52	22.42	22.47			
20	64QAM	50	24	22.35	22.29	22.43	22.33	22.37			
20	64QAM	50	50	22.37	22.41	22.48	22.42	22.44			
20	64QAM	100	0	22.25	22.34	22.40	22.33	22.28			
Channel											
Frequency (MHz)											
15	QPSK	1	0	39925	40173	40626	41068	41515			
15	QPSK	1	37	39922	39930	40038	40483	40930			
15	QPSK	1	74	21.91	22.21	22.11	22.10	22.13			
15	QPSK	36	0	22.22	22.10	22.38	21.95	22.26			
15	QPSK	36	36	22.18	22.12	22.16	21.90	22.16	22.7	0	
15	QPSK	36	56	22.11	22.07	21.97	21.96	21.91			
15	QPSK	75	0	22.09	22.14	22.23	22.06	22.08			
15	16QAM	1	0	22.31	22.17	22.34	22.19	22.31			
15	16QAM	1	48	22.19	22.08	22.27	22.23	22.26			
15	16QAM	1	74	21.88	21.88	21.87	21.73	21.88			
15	16QAM	36	0	21.97	22.07	22.17	22.06	22.10			
15	16QAM	36	36	21.95	21.87	21.87	21.73	21.88	22.7	0	
15	16QAM	36	56	22.10	22.10	22.07	22.15	22.15			
15	16QAM	75	0	21.91	22.01	22.08	22.19	21.92			
15	64QAM	1	0	21.88	21.69	21.77	21.77	21.71			
15	64QAM	1	37	21.71	21.69	21.77	21.57	21.86			
15	64QAM	1	74	21.55	21.66	21.71	21.76	21.53			
15	64QAM	36	0	22.28	22.22	22.22	22.22	22.28			
15	64QAM	36	24	22.18	22.10	22.29	22.10	22.21			
15	64QAM	36	56	22.13	22.19	22.34	22.17	22.31	22.7	0	
15	64QAM	75	0	22.07	22.18	22.27	22.10	22.03			
Channel											
Frequency (MHz)											
10	QPSK	1	0	39970	40160	40620	41080	41440			
10	QPSK	1	24	39911	39934	39953	40031	40103			
10	QPSK	1	25	22.24	22.10	22.26	22.26	21.99			
10	QPSK	48	0	22.42	22.47	22.48	22.48	22.46			
10	QPSK	25	0	22.17	22.08	22.18	22.18	22.18			
10	QPSK	25	12	22.08	22.16	22.17	22.01	22.12			
10	QPSK	25	24	22.05	22.14	22.15	22.01	22.08			
10	QPSK	50	0	22.05	22.14	22.03	22.08	22.08			
10	16QAM	1	0	22.23	22.22	22.28	22.28	22.31			
10	16QAM	1	24	22.13	22.25	22.25	22.25	22.25			
10	16QAM	1	48	22.28	22.22	22.21	22.17	22.03			
10	16QAM	25	0	21.98	22.06	22.20	21.88	22.14			
10	16QAM	25	12	21.92	22.07	22.17	22.01	22.06			
10	16QAM	25	24	22.02	22.20	22.22	22.18	21.94			
10	50QAM	0	0	21.98	22.03	22.15	22.21	21.89			
10	64QAM	1	0	21.82	21.70	21.82	21.74	21.62			
10	64QAM	1	25	21.60	21.69	21.74	21.87	21.81			
10	64QAM	25	48	21.60	21.68	21.69	21.72	21.57			
10	64QAM	25	72	21.53	21.25	21.29	21.33	21.33			
10	64QAM	25	96	22.20	22.09	22.29	22.15	22.15			
10	64QAM	25	120	22.30	22.08	22.33	22.25	22.30			
10	64QAM	25	144	22.20	22.13	22.25	22.16	22.07			
Channel											
Frequency (MHz)											
5	QPSK	1	0	39870	40148	40605	41049	41565			
5	QPSK	1	12	39916	39931	39931	40000	40000			
5	QPSK	1	52	22.26	22.25	22.25	22.26	21.93			
5	QPSK	12	0	22.13	22.20	22.20	22.20	22.13			
5	QPSK	12	6	22.24	22.13	22.08	21.90	22.23			
5	QPSK	12	7	22.11	22.08	22.11	22.05	22.12			
5	QPSK	24	0	22.07	22.09	22.09	22.09	22.07			
5	QPSK	24	6	22.01	22.10	22.18	22.08	22.12			
5	16QAM	1	0	22.24	22.26	22.31	22.13	22.40			
5	16QAM	1	12	22.18	22.08	22.10	22.05	22.27			
5	16QAM	1	24	22.32	22.24	22.28	22.12	22.02			
5	16QAM	12	0	22.02	22.12	22.17	22.01	22.15			
5	16QAM	12	6	22.19	22.09	22.13	21.95	22.14			
5	16QAM	12	13	22.02	22.20	22.24	22.14	22.04			
5	64QAM	1	0	21.91	22.02	22.05	22.16	21.91			
5	64QAM	1	12	21.83	21.87	21.87	21.83	21.65			
5	64QAM	1	52	21.70	21.68	21.72	21.58	21.81			
5	64QAM	12	0	22.24	22.17	22.30	22.19	22.09			
5	64QAM	12	6	22.54	22.47	22.50	22.25	22.29			
5	64QAM	12	7	22.18	22.04	22.25	22.06	22.13			
5	64QAM	12	13	22.18	22.06	22.25	22.06	22.23			
5	64QAM	25	0	22.07	22.16	22.16	22.14	22.10			

Band 42 FCC Part27Q Main PA Ant5 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midch. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3440	3460	3480	20.5	0	
Frequency (MHz)				42190	42390	42590			
20	QPSK	1	0	20.08	20.17	20.01			
20	QPSK	1	48	20.08	20.14	19.99	20.5	0	
20	QPSK	1	96	19.76	20.13	19.99			
20	QPSK	50	0	19.87	19.92	19.80			
20	QPSK	50	24	19.54	19.85	19.58	20.5	0	
20	QPSK	50	50	19.55	19.87	19.79			
20	QPSK	100	0	19.81	19.74	19.88			
20	16QAM	1	0	19.58	19.63	19.88	20.5	0	
20	16QAM	1	48	19.63	19.63	19.41			
20	16QAM	1	96	19.55	19.72	19.57			
20	16QAM	50	0	19.85	19.82	19.97	20.5	0	
20	16QAM	50	24	19.71	19.87	19.75			
20	16QAM	50	50	19.71	19.86	19.81			
20	16QAM	100	0	19.74	19.82	19.75	20.5	0	
20	16QAM	1	0	19.53	19.55	19.55			
20	16QAM	1	48	19.35	19.55	19.80			
20	16QAM	1	96	19.51	19.38	19.53	20.5	0	
20	16QAM	50	0	19.81	19.87	19.73			
20	16QAM	50	24	19.38	19.65	19.65			
20	16QAM	50	50	19.59	19.59	19.54	20.5	0	
20	16QAM	100	0	19.43	19.47	19.57			
Channel				42165	42360	42515	20.5	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.97	20.11	19.89			
15	QPSK	1	37	20.03	20.11	19.97	20.5	0	
15	QPSK	1	74	19.84	20.08	19.87			
15	QPSK	36	0	19.58	19.85	19.68	20.5	0	
15	QPSK	36	20	19.44	19.71	19.54			
15	QPSK	36	39	19.50	19.63	19.67			
15	QPSK	75	0	19.62	19.65	19.67	20.5	0	
15	16QAM	1	0	19.45	19.55	19.55			
15	16QAM	1	37	19.84	19.68	19.31			
15	16QAM	1	74	19.51	19.64	19.45	20.5	0	
15	16QAM	36	0	19.75	19.68	19.78			
15	16QAM	36	20	19.67	19.81	19.57			
15	16QAM	36	39	19.65	19.80	19.74	20.5	0	
15	16QAM	75	0	19.69	19.72	19.62			
15	16QAM	1	0	19.45	19.58	19.50	20.5	0	
15	16QAM	1	37	19.22	19.47	19.57			
15	16QAM	1	74	19.39	19.25	19.47			
15	16QAM	36	0	19.74	19.79	19.69	20.5	0	
15	16QAM	36	20	19.35	19.54	19.52			
15	16QAM	36	39	19.84	19.55	19.48			
15	16QAM	75	0	19.52	19.43	19.44	20.5	MPR (dB)	
Channel				42110	42300	42490			
Frequency (MHz)				3455	3500	3545	20.5	0	
10	QPSK	1	0	19.96	20.06	19.98			
10	QPSK	1	25	19.99	20.02	19.88	20.5	0	
10	QPSK	1	48	19.71	20.03	19.95			
10	QPSK	25	0	19.60	19.73	19.71	20.5	0	
10	QPSK	25	12	19.51	19.71	19.51			
10	QPSK	25	25	19.44	19.66	19.65			
10	QPSK	50	0	19.55	19.65	19.62	20.5	0	
10	16QAM	1	0	19.62	19.55	19.59			
10	16QAM	1	25	19.57	19.55	19.37			
10	16QAM	1	48	19.42	19.70	19.52	20.5	0	
10	16QAM	25	0	19.82	19.74	19.79			
10	16QAM	25	12	19.88	19.83	19.59			
10	16QAM	25	25	19.63	19.85	19.69	20.5	0	
10	16QAM	50	0	19.71	19.74	19.64			
10	16QAM	1	0	19.44	19.60	19.53			
10	16QAM	1	25	19.27	19.48	19.54	20.5	0	
10	16QAM	1	48	19.39	19.27	19.48			
10	16QAM	36	0	19.71	19.73	19.62			
10	16QAM	25	12	19.33	19.49	19.54	20.5	0	
10	16QAM	25	25	19.49	19.45	19.43			
10	16QAM	50	0	19.29	19.38	19.53			
Channel				42115	42300	42490	20.5	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.92	20.13	19.95	20.5	0	
5	QPSK	1	12	20.01	20.01	19.94			
5	QPSK	1	24	19.69	20.10	19.95			
5	QPSK	12	0	19.63	19.85	19.75	20.5	0	
5	QPSK	12	7	19.47	19.79	19.50			
5	QPSK	12	13	19.47	19.83	19.66			
5	QPSK	25	0	19.53	19.61	19.63	20.5	0	
5	16QAM	1	0	19.63	19.67	19.59			
5	16QAM	1	12	19.50	19.63	19.38			
5	16QAM	1	24	19.62	19.62	19.50	20.5	0	
5	16QAM	12	0	19.75	19.72	19.85			
5	16QAM	12	7	19.68	19.81	19.58			
5	16QAM	12	13	19.68	19.89	19.73	20.5	0	
5	16QAM	25	0	19.68	19.69	19.70			
5	16QAM	1	0	19.45	19.57	19.44			
5	16QAM	1	12	19.21	19.42	19.55	20.5	0	
5	16QAM	1	24	19.39	19.28	19.44			
5	16QAM	12	0	19.73	19.71	19.82			
5	16QAM	12	7	19.28	19.48	19.53	20.5	0	
5	16QAM	12	13	19.53	19.61	19.44			
5	16QAM	25	0	19.30	19.44	19.32			

Band 42 FCC Part27Q Main PA Ant6 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midch. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42990	42990	18.5	0	
Frequency (MHz)				3490	3660	3490			
20	QPSK	1	0	17.84	17.96	17.86	18.5	0	
20	QPSK	1	48	17.87	17.78	17.62			
20	QPSK	1	99	17.74	17.82	17.74			
20	QPSK	50	0	17.63	17.65	17.62			
20	QPSK	50	24	17.65	17.66	17.36	18.5	0	
20	QPSK	50	50	17.47	17.52	17.44			
20	QPSK	100	0	17.60	17.62	17.32			
20	16QAM	1	0	17.38	17.62	17.35	18.5	0	
20	16QAM	1	48	17.28	17.45	17.41			
20	16QAM	1	99	17.25	17.41	17.28			
20	16QAM	50	0	17.59	17.64	17.34			
20	16QAM	50	24	17.52	17.41	17.42	18.5	0	
20	16QAM	50	50	17.39	17.60	17.28			
20	16QAM	100	0	17.43	17.5	17.26			
20	16QAM	1	0	17.27	17.31	17.27	18.5	0	
20	16QAM	1	48	17.28	17.33	17.30			
20	16QAM	1	99	17.31	17.33	17.34			
20	16QAM	50	0	17.51	17.52	17.40			
20	16QAM	50	24	17.28	17.45	17.44	18.5	0	
20	16QAM	50	50	17.33	17.63	17.47			
20	16QAM	100	0	17.32	17.54	17.46			
Channel				42165	42990	42615	18.5	0	
Frequency (MHz)				3497.5	3660	3452.5			
15	QPSK	1	0	17.80	17.86	17.64	18.5	0	
15	QPSK	1	37	17.77	17.86	17.61			
15	QPSK	1	74	17.55	17.66	17.65			
15	QPSK	36	0	17.81	17.48	17.48			
15	QPSK	36	30	17.50	17.41	17.18	18.5	0	
15	QPSK	36	59	17.29	17.40	17.30			
15	QPSK	75	0	17.38	17.64	17.18			
15	16QAM	1	0	17.26	17.47	17.13			
15	16QAM	1	37	17.27	17.43	17.41	18.5	0	
15	16QAM	1	74	17.07	17.38	17.28			
15	16QAM	36	0	17.21	17.49	17.39			
15	16QAM	36	20	17.38	17.28	17.36			
15	16QAM	36	59	17.39	17.40	17.13	18.5	0	
15	16QAM	75	0	17.33	17.52	17.30			
15	16QAM	1	0	17.29	17.15	17.28			
15	16QAM	1	37	17.18	17.04	17.23	18.5	0	
15	16QAM	1	74	16.82	17.23	17.05			
15	16QAM	36	0	17.47	17.68	17.40			
15	16QAM	36	30	17.15	17.33	17.40			
15	16QAM	36	59	17.32	17.49	17.40	18.5	0	
15	16QAM	75	0	17.14	17.44	17.40			
Channel				42140	42990	42660	18.5	0	
Frequency (MHz)				3455	3660	3445			
10	QPSK	1	0	17.81	17.74	17.56	18.5	0	
10	QPSK	1	25	17.77	17.77	17.64			
10	QPSK	1	49	17.73	17.64	17.68			
10	QPSK	25	0	17.67	17.69	17.41			
10	QPSK	25	12	17.55	17.48	17.28	18.5	0	
10	QPSK	25	25	17.48	17.38	17.29			
10	QPSK	50	0	17.37	17.64	17.28			
10	16QAM	1	0	17.19	17.34	17.24			
10	16QAM	1	25	17.28	17.41	17.29	18.5	0	
10	16QAM	1	49	17.20	17.27	17.26			
10	16QAM	25	0	17.27	17.59	17.47			
10	16QAM	25	12	17.39	17.26	17.37			
10	16QAM	25	25	17.29	17.61	17.21	18.5	0	
10	16QAM	50	0	17.27	17.41	17.34			
10	16QAM	1	0	17.14	17.14	17.26			
10	16QAM	1	25	17.11	17.20	17.23			
10	16QAM	1	49	16.85	17.26	17.03	18.5	0	
10	16QAM	25	0	17.48	17.48	17.37			
10	16QAM	25	12	17.15	17.40	17.46			
10	16QAM	25	25	17.33	17.55	17.46			
10	16QAM	50	0	17.18	17.32	17.38	18.5	0	
Channel				42115	42990	42685			
Frequency (MHz)				3412.5	3660	3412.5	18.5	0	
5	QPSK	1	0	17.67	17.66	17.60			
5	QPSK	1	12	17.82	17.66	17.64	18.5	0	
5	QPSK	1	24	17.68	17.66	17.67			
5	QPSK	12	0	17.53	17.55	17.44			
5	QPSK	12	7	17.41	17.55	17.30			
5	QPSK	12	13	17.46	17.38	17.38	18.5	0	
5	QPSK	25	0	17.39	17.62	17.24			
5	16QAM	1	0	17.33	17.33	17.36			
5	16QAM	1	12	17.10	17.26	17.32			
5	16QAM	1	24	17.14	17.38	17.21	18.5	0	
5	16QAM	12	0	17.41	17.57	17.33			
5	16QAM	12	7	17.51	17.31	17.22			
5	16QAM	12	13	17.33	17.47	17.10			
5	16QAM	25	0	17.29	17.51	17.37	18.5	0	
5	16QAM	1	0	17.26	17.32	17.27			
5	16QAM	1	12	17.10	17.15	17.22			
5	16QAM	1	24	16.35	17.22	16.34			
5	16QAM	12	0	17.60	17.51	17.35	18.5	0	
5	16QAM	12	7	17.24	17.47	17.39			
5	16QAM	12	13	17.27	17.63	17.41			
5	16QAM	25	0	17.20	17.49	17.46			



Band 42 FCC Part27Q Main PA Ant7 DSI4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (min)	MPR (dB)			
Channel				42190	42660	42990					
Frequency (MHz)				34160	34160	34160					
20	QPSK	1	0	18.07	18.18	18.07	10	0			
20	QPSK	1	49	17.88	17.98	17.99					
20	QPSK	1	98	17.96	17.96	17.94					
20	QPSK	50	0	17.92	18.11	17.98	10	0			
20	QPSK	50	24	17.81	17.93	17.86					
20	QPSK	50	50	17.84	17.83	17.79					
20	QPSK	100	0	17.88	17.95	17.79	10	0			
20	16QAM	1	0	17.97	18.03	17.91					
20	16QAM	1	49	17.74	17.90	17.84					
20	16QAM	1	99	17.83	17.85	17.82	10	0			
20	16QAM	25	0	17.98	18.13	18.06					
20	16QAM	50	24	17.73	17.83	17.85					
20	16QAM	50	50	17.85	17.89	17.79	10	0			
20	16QAM	100	0	17.82	17.84	17.78					
20	84QAM	1	0	17.93	18.13	17.95					
20	84QAM	1	49	17.78	17.88	17.85	10	0			
20	84QAM	1	99	17.85	17.83	17.88					
20	84QAM	50	0	17.89	18.09	17.91					
20	84QAM	50	24	17.79	17.86	17.81	10	0			
20	84QAM	50	50	17.90	17.90	17.83					
20	84QAM	100	0	17.83	17.81	17.87					
Channel				42165	42500	43015	Tune-up time (min)				
Frequency (MHz)				3417.5	3500	3543.5					
15	QPSK	1	0	17.92	18.12	17.91	10	0			
15	QPSK	1	37	17.74	17.83	17.89					
15	QPSK	1	74	17.85	17.88	17.79					
15	QPSK	36	0	17.77	18.03	17.89	10	0			
15	QPSK	36	26	17.76	17.77	17.77					
15	QPSK	36	36	17.80	17.71	17.73					
15	QPSK	75	0	17.74	17.82	17.72	10	0			
15	16QAM	1	0	17.80	17.81	17.75					
15	16QAM	1	37	17.69	17.84	17.78					
15	16QAM	1	74	17.73	17.73	17.72	10	0			
15	16QAM	36	0	17.87	17.98	17.88					
15	16QAM	36	20	17.68	17.70	17.69					
15	16QAM	36	36	17.78	17.63	17.68	10	0			
15	16QAM	75	0	17.76	17.78	17.82					
15	84QAM	1	0	17.81	18.00	17.85					
15	84QAM	1	37	17.73	17.82	17.89	10	0			
15	84QAM	1	74	17.75	17.78	17.77					
15	84QAM	36	0	17.88	17.97	17.86					
15	84QAM	36	26	17.64	17.80	17.75	10	0			
15	84QAM	36	36	17.86	17.80	17.75					
15	84QAM	75	0	17.76	17.67	17.63					
Channel				43110	43500	43995	Tune-up time (min)				
Frequency (MHz)				3455	3500	3545					
10	QPSK	1	0	17.92	18.14	17.86	10	0			
10	QPSK	1	25	17.77	17.83	17.84					
10	QPSK	1	49	17.81	17.87	17.82					
10	QPSK	25	0	17.77	17.86	17.82	10	0			
10	QPSK	25	12	17.67	17.79	17.75					
10	QPSK	25	25	17.75	17.71	17.66					
10	QPSK	50	0	17.72	17.86	17.84	10	0			
10	16QAM	1	0	17.91	17.98	17.81					
10	16QAM	1	25	17.88	17.81	17.77					
10	16QAM	1	49	17.72	17.69	17.75	10	0			
10	16QAM	25	0	17.92	18.04	17.96					
10	16QAM	25	12	17.88	17.75	17.88					
10	16QAM	25	25	17.72	17.82	17.76	10	0			
10	16QAM	50	0	17.72	17.70	17.77					
10	84QAM	1	0	17.86	18.00	17.87					
10	84QAM	1	25	17.71	17.75	17.79	10	0			
10	84QAM	1	49	17.80	17.69	17.71					
10	84QAM	25	0	17.85	18.05	17.84					
10	84QAM	25	12	17.68	17.79	17.84	10	0			
10	84QAM	25	25	17.77	17.75	17.73					
10	84QAM	50	0	17.76	17.71	17.75					
Channel				43115	43600	43695	Tune-up time (min)				
Frequency (MHz)				3412.5	3500	3557.5					
5	QPSK	1	0	18.03	18.07	18.00	10	0			
5	QPSK	1	12	17.79	17.83	17.88					
5	QPSK	1	24	17.84	17.80	17.86					
5	QPSK	12	0	17.87	18.00	17.91	10	0			
5	QPSK	12	7	17.72	17.83	17.75					
5	QPSK	12	13	17.71	17.70	17.68					
5	QPSK	25	0	17.74	17.83	17.67	10	0			
5	16QAM	1	0	17.93	17.95	17.85					
5	16QAM	1	12	17.63	17.78	17.75					
5	16QAM	1	24	17.69	17.73	17.67	10	0			
5	16QAM	12	0	17.87	18.05	17.84					
5	16QAM	12	7	17.88	17.73	17.79					
5	16QAM	12	13	17.80	17.75	17.64	10	0			
5	16QAM	25	0	17.88	17.68	17.74					
5	84QAM	1	0	17.83	18.04	17.85					
5	84QAM	1	12	17.68	17.79	17.85	10	0			
5	84QAM	1	24	17.77	17.75	17.80					
5	84QAM	12	0	17.85	17.96	17.75					
5	84QAM	12	7	17.71	17.80	17.86	10	0			
5	84QAM	12	13	17.77	17.77	17.75					
5	84QAM	25	0	17.68	17.68	17.71					

Band 12 Other PA Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.50	24.56	24.44	25.5	0	
10	QPSK	1	25	24.37	24.44	24.40			
10	QPSK	1	49	24.40	24.50	24.45			
10	QPSK	25	0	23.70	23.74	23.63			
10	QPSK	25	12	23.63	23.67	23.61	24.5	1	
10	QPSK	25	25	23.49	23.64	23.58			
10	QPSK	50	0	23.55	23.69	23.55			
10	16QAM	1	0	23.47	23.62	23.56			
10	16QAM	1	25	23.59	23.68	23.62	24.5	1	
10	16QAM	1	49	23.54	23.57	23.48			
10	16QAM	25	0	22.55	22.65	22.62			
10	16QAM	25	12	22.61	22.66	22.52			
10	16QAM	25	25	22.44	22.51	22.44	23.5	2	
10	16QAM	50	0	22.84	22.91	22.86			
10	64QAM	1	0	22.54	22.66	22.54			
10	64QAM	1	25	22.60	22.68	22.54			
10	64QAM	1	49	22.70	22.76	22.61	23.5	2	
10	64QAM	25	0	21.48	21.59	21.55			
10	64QAM	25	12	21.81	21.86	21.84			
10	64QAM	25	25	21.60	21.75	21.65			
10	64QAM	50	0	21.90	22.04	21.92	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.42	24.45	24.36	25.5	0	
5	QPSK	1	12	24.34	24.34	24.33			
5	QPSK	1	24	24.27	24.38	24.37			
5	QPSK	12	0	23.57	23.65	23.55			
5	QPSK	12	7	23.51	23.63	23.54	24.5	1	
5	QPSK	12	13	23.39	23.55	23.50			
5	QPSK	25	0	23.44	23.56	23.40			
5	16QAM	1	0	23.36	23.53	23.49			
5	16QAM	1	12	23.47	23.61	23.58	24.5	1	
5	16QAM	1	24	23.39	23.51	23.36			
5	16QAM	12	0	22.48	22.54	22.55			
5	16QAM	12	7	22.49	22.51	22.46			
5	16QAM	12	13	22.31	22.48	22.41	23.5	2	
5	16QAM	25	0	22.74	22.85	22.73			
5	64QAM	1	0	22.45	22.62	22.41			
5	64QAM	1	12	22.50	22.65	22.48			
5	64QAM	1	24	22.60	22.63	22.54	23.5	2	
5	64QAM	12	0	21.42	21.55	21.41			
5	64QAM	12	7	21.71	21.80	21.79			
5	64QAM	12	13	21.53	21.68	21.51			
5	64QAM	25	0	21.85	21.97	21.77	22.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.40	24.52	24.41	25.5	0	
3	QPSK	1	8	24.34	24.34	24.34			
3	QPSK	1	14	24.36	24.40	24.36			
3	QPSK	8	0	23.66	23.65	23.49			
3	QPSK	8	4	23.55	23.59	23.58	24.5	1	
3	QPSK	8	7	23.39	23.52	23.53			
3	QPSK	15	0	23.50	23.62	23.48			
3	16QAM	1	0	23.38	23.49	23.49			
3	16QAM	1	8	23.47	23.53	23.55	24.5	1	
3	16QAM	1	14	23.45	23.43	23.35			
3	16QAM	8	0	22.45	22.58	22.59			
3	16QAM	8	4	22.47	22.59	22.48			
3	16QAM	8	7	22.39	22.40	22.40	23.5	2	
3	16QAM	15	0	22.77	22.77	22.79			
3	64QAM	1	0	22.44	22.57	22.41			
3	64QAM	1	8	22.56	22.58	22.39			
3	64QAM	1	14	22.59	22.73	22.52	23.5	2	
3	64QAM	8	0	21.44	21.55	21.43			
3	64QAM	8	4	21.77	21.83	21.78			
3	64QAM	8	7	21.49	21.61	21.52			
3	64QAM	15	0	21.79	22.00	21.83	22.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.41	24.49	24.33	25.5	0	
1.4	QPSK	1	3	24.34	24.38	24.25			
1.4	QPSK	1	5	24.35	24.41	24.38			
1.4	QPSK	3	0	24.40	24.44	24.36			
1.4	QPSK	3	1	24.25	24.35	24.30	24.5	1	
1.4	QPSK	3	3	24.30	24.41	24.32			
1.4	QPSK	6	0	23.58	23.69	23.54			
1.4	16QAM	1	0	23.51	23.54	23.53			
1.4	16QAM	1	3	23.39	23.52	23.52	24.5	1	
1.4	16QAM	1	5	23.46	23.59	23.47			
1.4	16QAM	3	0	23.42	23.48	23.47			
1.4	16QAM	3	1	23.50	23.59	23.56			
1.4	16QAM	3	3	23.44	23.48	23.35	23.5	2	
1.4	16QAM	6	0	22.51	22.61	22.47			
1.4	64QAM	1	0	22.49	22.54	22.44			
1.4	64QAM	1	3	22.40	22.43	22.36			
1.4	64QAM	1	5	22.45	22.50	22.42	23.5	2	
1.4	64QAM	3	0	22.47	22.59	22.47			
1.4	64QAM	3	1	22.50	22.60	22.47			
1.4	64QAM	3	3	22.59	22.62	22.55			
1.4	64QAM	6	0	21.56	21.62	21.59	22.5	3	

Band 17 Other PA Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.43	24.51	24.46	25.5	0	
10	QPSK	1	25	24.31	24.40	24.36			
10	QPSK	1	49	24.38	24.47	24.33			
10	QPSK	25	0	23.64	23.68	23.57			
10	QPSK	25	12	23.45	23.59	23.46	24.5	1	
10	QPSK	25	25	23.34	23.46	23.34			
10	QPSK	50	0	23.48	23.59	23.49			
10	16QAM	1	0	23.46	23.50	23.42			
10	16QAM	1	25	23.29	23.42	23.32	24.5	1	
10	16QAM	1	49	23.21	23.34	23.26			
10	16QAM	25	0	22.58	22.73	22.62			
10	16QAM	25	12	22.69	22.72	22.58			
10	16QAM	25	25	22.65	22.73	22.62	23.5	2	
10	16QAM	50	0	22.67	22.79	22.73			
10	64QAM	1	0	22.43	22.50	22.41			
10	64QAM	1	25	22.50	22.54	22.48			
10	64QAM	1	49	22.26	22.32	22.21	23.5	2	
10	64QAM	25	0	21.59	21.66	21.59			
10	64QAM	25	12	21.68	21.77	21.66			
10	64QAM	25	25	21.50	21.56	21.49			
10	64QAM	50	0	21.59	21.66	21.62	22.5	3	
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.39	24.45	24.43	25.5	0	
5	QPSK	1	12	24.24	24.35	24.25			
5	QPSK	1	24	24.35	24.35	24.22			
5	QPSK	12	0	23.59	23.61	23.49			
5	QPSK	12	7	23.40	23.47	23.39	24.5	1	
5	QPSK	12	13	23.28	23.42	23.25			
5	QPSK	25	0	23.44	23.55	23.39			
5	16QAM	1	0	23.32	23.45	23.31			
5	16QAM	1	12	23.20	23.32	23.26	24.5	1	
5	16QAM	1	24	23.07	23.29	23.22			
5	16QAM	12	0	22.54	22.61	22.51			
5	16QAM	12	7	22.66	22.59	22.54			
5	16QAM	12	13	22.58	22.59	22.51	23.5	2	
5	16QAM	25	0	22.57	22.67	22.63			
5	64QAM	1	0	22.38	22.37	22.37			
5	64QAM	1	12	22.41	22.46	22.37			
5	64QAM	1	24	22.22	22.27	22.16	23.5	2	
5	64QAM	12	0	21.44	21.58	21.53			
5	64QAM	12	7	21.60	21.70	21.54			
5	64QAM	12	13	21.37	21.51	21.39			
5	64QAM	25	0	21.44	21.57	21.49	22.5	3	

Band 12 Other PA Ant1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130	25.5	0				
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.69	23.74	23.67	24.5 <th colspan="2" rowspan="5">1</th>	1				
10	QPSK	1	25	23.59	23.66	23.61						
10	QPSK	1	49	23.57	23.61	23.52						
10	QPSK	25	0	22.66	22.76	22.67						
10	QPSK	25	12	22.56	22.70	22.59						
10	QPSK	25	25	22.55	22.65	22.60	24.5 <th colspan="2" rowspan="5">1</th>	1				
10	QPSK	50	0	22.59	22.72	22.67						
10	16QAM	1	0	22.58	22.67	22.55						
10	16QAM	1	25	22.53	22.61	22.56						
10	16QAM	1	49	22.54	22.57	22.53						
10	16QAM	25	0	21.73	21.81	21.71	23.5 <th colspan="2" rowspan="5">2</th>	2				
10	16QAM	25	12	21.70	21.73	21.65						
10	16QAM	25	25	21.63	21.77	21.66						
10	16QAM	50	0	21.58	21.71	21.57						
10	64QAM	1	0	21.65	21.79	21.73						
10	64QAM	1	25	21.59	21.73	21.69	23.5 <th colspan="2" rowspan="5">2</th>	2				
10	64QAM	1	49	21.65	21.69	21.64						
10	64QAM	25	0	20.90	20.95	20.88						
10	64QAM	25	12	20.82	20.86	20.76						
10	64QAM	25	25	20.81	20.91	20.84						
10	64QAM	50	0	20.68	20.83	20.72	22.5 <th colspan="2" rowspan="5">3</th>	3				
Channel				23035	23095	23155						
Frequency (MHz)				701.5	707.5	713.5						
5	QPSK	1	0	23.62	23.67	23.58				25.5 <th colspan="2" rowspan="2">0</th>	0	
5	QPSK	1	12	23.57	23.58	23.58						
5	QPSK	1	24	23.57	23.55	23.52	24.5 <th colspan="2" rowspan="5">1</th>	1				
5	QPSK	12	0	22.55	22.67	22.54						
5	QPSK	12	7	22.51	22.64	22.59						
5	QPSK	12	13	22.51	22.52	22.52						
5	QPSK	25	0	22.55	22.67	22.53						
5	16QAM	1	0	22.57	22.55	22.58	24.5 <th colspan="2" rowspan="5">1</th>	1				
5	16QAM	1	12	22.51	22.55	22.59						
5	16QAM	1	24	22.59	22.54	22.55						
5	16QAM	12	0	21.65	21.74	21.63						
5	16QAM	12	7	21.61	21.63	21.59						
5	16QAM	12	13	21.53	21.66	21.59	23.5 <th colspan="2" rowspan="5">2</th>	2				
5	16QAM	25	0	21.53	21.58	21.51						
5	64QAM	1	0	21.54	21.71	21.58						
5	64QAM	1	12	21.55	21.64	21.64						
5	64QAM	1	24	21.51	21.61	21.56						
5	64QAM	12	0	20.77	20.90	20.83	22.5 <th colspan="2" rowspan="5">3</th>	3				
5	64QAM	12	7	20.69	20.79	20.65						
5	64QAM	12	13	20.67	20.85	20.72						
5	64QAM	25	0	20.56	20.80	20.60						
Channel				23025	23095	23165						
Frequency (MHz)				700.5	707.5	714.5						
3	QPSK	1	0	23.54	23.63	23.60	25.5 <th colspan="2" rowspan="2">0</th>	0				
3	QPSK	1	8	23.57	23.56	23.58						
3	QPSK	1	14	23.53	23.57	23.59	24.5 <th colspan="2" rowspan="5">1</th>	1				
3	QPSK	8	0	22.52	22.66	22.52						
3	QPSK	8	4	22.58	22.57	22.51						
3	QPSK	8	7	22.56	22.54	22.55						
3	QPSK	15	0	22.50	22.58	22.57						
3	16QAM	1	0	22.59	22.54	22.59	24.5 <th colspan="2" rowspan="5">1</th>	1				
3	16QAM	1	8	22.58	22.51	22.80						
3	16QAM	1	14	22.53	22.59	22.51						
3	16QAM	8	0	21.59	21.75	21.65						
3	16QAM	8	4	21.58	21.67	21.61						
3	16QAM	8	7	21.56	21.72	21.55	23.5 <th colspan="2" rowspan="5">2</th>	2				
3	16QAM	15	0	21.55	21.63	21.54						
3	64QAM	1	0	21.60	21.72	21.63						
3	64QAM	1	8	21.56	21.64	21.60						
3	64QAM	1	14	21.59	21.64	21.57						
3	64QAM	8	0	20.79	20.86	20.79	22.5 <th colspan="2" rowspan="5">3</th>	3				
3	64QAM	8	4	20.77	20.71	20.72						
3	64QAM	8	7	20.74	20.79	20.73						
3	64QAM	15	0	20.63	20.75	20.61						
Channel				23017	23095	23173						
Frequency (MHz)				699.7	707.5	715.3						
1.4	QPSK	1	0	23.64	23.65	23.58	25.5 <th colspan="2" rowspan="5">0</th>	0				
1.4	QPSK	1	3	23.52	23.51	23.55						
1.4	QPSK	1	5	23.56	23.70	23.65						
1.4	QPSK	3	0	23.55	23.63	23.59						
1.4	QPSK	3	1	23.56	23.58	23.59						
1.4	QPSK	3	3	23.52	23.52	23.54	24.5 <th colspan="2" rowspan="5">1</th>	1				
1.4	QPSK	6	0	22.58	22.72	22.61						
1.4	16QAM	1	0	22.52	22.58	22.50						
1.4	16QAM	1	3	22.54	22.51	22.57						
1.4	16QAM	1	5	22.54	22.60	22.53						
1.4	16QAM	3	0	22.54	22.57	22.51	24.5 <th colspan="2" rowspan="5">1</th>	1				
1.4	16QAM	3	1	22.51	22.57	22.50						
1.4	16QAM	3	3	22.58	22.52	22.56						
1.4	16QAM	6	0	21.66	21.75	21.56						
1.4	64QAM	1	0	21.59	21.59	21.52						
1.4	64QAM	1	3	21.59	21.67	21.52	23.5 <th colspan="2" rowspan="5">2</th>	2				
1.4	64QAM	1	5	21.54	21.58	21.52						
1.4	64QAM	3	0	21.55	21.71	21.60						
1.4	64QAM	3	1	21.50	21.68	21.63						
1.4	64QAM	3	3	21.53	21.58	21.53						
1.4	64QAM	6	0	20.74	20.82	20.66	22.5	3				

Band 17 Other PA Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.57	23.70	23.59	25.5	0	
10	QPSK	1	25	23.54	23.59	23.51			
10	QPSK	1	49	23.55	23.59	23.51			
10	QPSK	25	0	22.60	22.66	22.58	24.5	1	
10	QPSK	25	12	22.53	22.59	22.55			
10	QPSK	25	25	22.53	22.58	22.56			
10	QPSK	50	0	22.57	22.61	22.54	24.5	1	
10	16QAM	1	0	22.50	22.56	22.59			
10	16QAM	1	25	22.57	22.53	22.51			
10	16QAM	1	49	22.53	22.59	22.52	23.5	2	
10	16QAM	25	0	21.61	21.71	21.66			
10	16QAM	25	12	21.61	21.58	21.56			
10	16QAM	25	25	21.51	21.72	21.52	23.5	2	
10	16QAM	50	0	21.57	21.60	21.58			
10	64QAM	1	0	21.50	21.74	21.63			
10	64QAM	1	25	21.58	21.59	21.63	23.5	2	
10	64QAM	1	49	21.54	21.66	21.60			
10	64QAM	25	0	20.86	20.87	20.85			
10	64QAM	25	12	20.77	20.81	20.69	22.5	3	
10	64QAM	25	25	20.71	20.78	20.76			
10	64QAM	50	0	20.53	20.73	20.63			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.51	23.65	23.54	25.5	0	
5	QPSK	1	12	23.53	23.55	23.57			
5	QPSK	1	24	23.54	23.64	23.56			
5	QPSK	12	0	22.72	22.83	22.67	24.5	1	
5	QPSK	12	7	22.52	22.74	22.68			
5	QPSK	12	13	22.58	22.72	22.56			
5	QPSK	25	0	22.63	22.72	22.64	24.5	1	
5	16QAM	1	0	22.67	22.62	22.56			
5	16QAM	1	12	22.55	22.66	22.57			
5	16QAM	1	24	22.51	22.59	22.58	23.5	2	
5	16QAM	12	0	21.75	21.84	21.73			
5	16QAM	12	7	21.72	21.67	21.61			
5	16QAM	12	13	21.61	21.85	21.66	23.5	2	
5	16QAM	25	0	21.58	21.69	21.56			
5	64QAM	1	0	21.59	21.72	21.67			
5	64QAM	1	12	21.54	21.62	21.60	23.5	2	
5	64QAM	1	24	21.51	21.61	21.62			
5	64QAM	12	0	20.92	20.90	20.85			
5	64QAM	12	7	20.83	20.76	20.65	22.5	3	
5	64QAM	12	13	20.73	20.76	20.74			
5	64QAM	25	0	20.55	20.69	20.59			



Reduced Power Mode for Other PA DSI0

Band 12 Other PA Ant0 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.50	24.56	24.44	25.5	0	
10	QPSK	1	25	24.37	24.44	24.40			
10	QPSK	1	49	24.40	24.50	24.45			
10	QPSK	25	0	23.70	23.74	23.63	24.5	1	
10	QPSK	25	12	23.63	23.67	23.61			
10	QPSK	25	25	23.49	23.64	23.58			
10	QPSK	50	0	23.55	23.68	23.55	24.5	1	
10	16QAM	1	0	23.47	23.62	23.56			
10	16QAM	1	25	23.59	23.68	23.62			
10	16QAM	1	49	23.54	23.57	23.48	23.5	2	
10	16QAM	25	0	22.55	22.65	22.62			
10	16QAM	25	12	22.61	22.66	22.57			
10	16QAM	25	25	22.44	22.51	22.44	22.5	3	
10	16QAM	50	0	22.84	22.91	22.86			
10	64QAM	1	0	22.54	22.66	22.54			
10	64QAM	1	25	22.60	22.68	22.54	23.5	2	
10	64QAM	1	49	22.70	22.76	22.61			
10	64QAM	25	0	21.48	21.59	21.55			
10	64QAM	25	12	21.81	21.86	21.84	22.5	3	
10	64QAM	25	25	21.60	21.75	21.65			
10	64QAM	50	0	21.90	22.04	21.92			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.42	24.45	24.36	25.5	0	
5	QPSK	1	12	24.34	24.34	24.33			
5	QPSK	1	24	24.27	24.37	24.37			
5	QPSK	12	0	23.57	23.65	23.55	24.5	1	
5	QPSK	12	7	23.51	23.63	23.54			
5	QPSK	12	13	23.39	23.55	23.50			
5	QPSK	25	0	23.44	23.56	23.40	24.5	1	
5	16QAM	1	0	23.36	23.53	23.49			
5	16QAM	1	12	23.47	23.61	23.58			
5	16QAM	1	24	23.39	23.51	23.36	23.5	2	
5	16QAM	12	0	22.48	22.54	22.55			
5	16QAM	12	7	22.49	22.51	22.46			
5	16QAM	12	13	22.31	22.48	22.41	23.5	2	
5	16QAM	25	0	22.74	22.85	22.73			
5	64QAM	1	0	22.45	22.62	22.41			
5	64QAM	1	12	22.50	22.65	22.48	22.5	2	
5	64QAM	1	24	22.60	22.63	22.54			
5	64QAM	12	0	21.42	21.55	21.41			
5	64QAM	12	7	21.71	21.80	21.79	22.5	3	
5	64QAM	12	13	21.53	21.68	21.51			
5	64QAM	25	0	21.65	21.97	21.77			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.40	24.52	24.41	25.5	0	
3	QPSK	1	8	24.34	24.34	24.34			
3	QPSK	1	14	24.36	24.40	24.36			
3	QPSK	8	0	23.66	23.65	23.49	24.5	1	
3	QPSK	8	4	23.55	23.59	23.58			
3	QPSK	8	7	23.39	23.52	23.53			
3	QPSK	15	0	23.50	23.62	23.48	24.5	1	
3	16QAM	1	0	23.38	23.49	23.49			
3	16QAM	1	8	23.47	23.53	23.55			
3	16QAM	1	14	23.45	23.43	23.35	23.5	2	
3	16QAM	8	0	22.45	22.58	22.59			
3	16QAM	8	4	22.47	22.59	22.48			
3	16QAM	8	7	22.39	22.40	22.40	23.5	2	
3	16QAM	15	0	22.77	22.77	22.79			
3	64QAM	1	0	22.44	22.57	22.41			
3	64QAM	1	8	22.56	22.58	22.39	23.5	2	
3	64QAM	1	14	22.59	22.73	22.52			
3	64QAM	8	0	21.44	21.55	21.43			
3	64QAM	8	4	21.77	21.83	21.78	22.5	3	
3	64QAM	8	7	21.49	21.61	21.52			
3	64QAM	15	0	21.79	22.00	21.83			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.41	24.49	24.33	25.5	0	
1.4	QPSK	1	3	24.34	24.36	24.25			
1.4	QPSK	1	5	24.35	24.41	24.36			
1.4	QPSK	3	0	24.40	24.44	24.36	24.5	1	
1.4	QPSK	3	1	24.25	24.35	24.30			
1.4	QPSK	3	3	24.30	24.41	24.32			
1.4	QPSK	6	0	23.58	23.69	23.54	24.5	1	
1.4	16QAM	1	0	23.51	23.54	23.53			
1.4	16QAM	1	3	23.39	23.52	23.52			
1.4	16QAM	1	5	23.46	23.59	23.47	24.5	1	
1.4	16QAM	3	0	23.42	23.48	23.47			
1.4	16QAM	3	1	23.50	23.59	23.56			
1.4	16QAM	3	3	23.44	23.48	23.35	23.5	2	
1.4	16QAM	6	0	22.51	22.61	22.47			
1.4	64QAM	1	0	22.49	22.54	22.44			
1.4	64QAM	1	3	22.40	22.43	22.36	23.5	2	
1.4	64QAM	1	5	22.45	22.50	22.42			
1.4	64QAM	3	0	22.47	22.59	22.47			
1.4	64QAM	3	1	22.50	22.60	22.47	22.5	3	
1.4	64QAM	3	3	22.59	22.62	22.55			
1.4	64QAM	6	0	21.56	21.62	21.59			

Band 17 Other PA Ant0 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.31	24.51	24.46	25.5	0	
10	QPSK	1	25	24.31	24.40	24.36			
10	QPSK	1	49	24.38	24.47	24.33			
10	QPSK	25	0	23.64	23.68	23.57	24.5	1	
10	QPSK	25	12	23.45	23.59	23.46			
10	QPSK	25	25	23.34	23.46	23.34			
10	QPSK	50	0	23.46	23.55	23.46	24.5	1	
10	16QAM	1	0	23.46	23.50	23.42			
10	16QAM	1	25	23.29	23.42	23.32			
10	16QAM	1	49	23.21	23.34	23.26	23.5	2	
10	16QAM	25	0	22.58	22.73	22.62			
10	16QAM	25	12	22.69	22.72	22.58			
10	16QAM	25	25	22.65	22.73	22.62	23.5	2	
10	16QAM	50	0	22.67	22.79	22.73			
10	64QAM	1	0	22.43	22.50	22.41			
10	64QAM	1	25	22.50	22.54	22.48	23.5	2	
10	64QAM	1	49	22.26	22.32	22.21			
10	64QAM	25	0	21.59	21.66	21.59			
10	64QAM	25	12	21.68	21.77	21.66	22.5	3	
10	64QAM	25	25	21.50	21.56	21.49			
10	64QAM	50	0	21.59	21.66	21.62			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.39	24.45	24.43	25.5	0	
5	QPSK	1	12	24.24	24.35	24.25			
5	QPSK	1	24	24.35	24.35	24.22			
5	QPSK	12	0	23.59	23.61	23.49	24.5	1	
5	QPSK	12	7	23.40	23.47	23.39			
5	QPSK	12	13	23.28	23.42	23.25			
5	QPSK	25	0	23.44	23.55	23.39	24.5	1	
5	16QAM	1	0	23.32	23.45	23.31			
5	16QAM	1	12	23.20	23.32	23.26			
5	16QAM	1	24	23.37	23.29	23.22	23.5	2	
5	16QAM	12	0	22.54	22.61	22.51			
5	16QAM	12	7	22.66	22.59	22.54			
5	16QAM	12	13	22.58	22.59	22.51	23.5	2	
5	16QAM	25	0	22.57	22.67	22.63			
5	64QAM	1	0	22.38	22.37	22.30			
5	64QAM	1	12	22.41	22.46	22.37	23.5	2	
5	64QAM	1	24	22.22	22.27	22.16			
5	64QAM	12	0	21.44	21.58	21.53			
5	64QAM	12	7	21.60	21.70	21.54	22.5	3	
5	64QAM	12	13	21.37	21.51	21.39			
5	64QAM	25	0	21.44	21.57	21.49			

Band 12 Other PA Ant1 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				701.5	707.5	711.5			
10	QPSK	1	0	23.69	23.74	23.67	25.5	0	
10	QPSK	1	25	23.59	23.66	23.61			
10	QPSK	25	0	22.66	22.76	22.62			
10	QPSK	25	12	22.56	22.70	22.59	24.5	1	
10	QPSK	25	25	22.55	22.65	22.50			
10	QPSK	50	0	22.59	22.72	22.67			
10	16QAM	1	0	22.58	22.67	22.55	24.5	1	
10	16QAM	1	25	22.53	22.61	22.56			
10	16QAM	1	49	22.54	22.57	22.53			
10	16QAM	25	0	21.73	21.81	21.71	23.5	2	
10	16QAM	25	12	21.70	21.73	21.65			
10	16QAM	25	25	21.63	21.77	21.66			
10	16QAM	50	0	21.58	21.71	21.57	23.5	2	
10	64QAM	1	0	21.65	21.79	21.73			
10	64QAM	1	25	21.59	21.73	21.69			
10	64QAM	1	49	21.65	21.69	21.64	22.5	3	
10	64QAM	25	0	20.90	20.95	20.86			
10	64QAM	25	12	20.82	20.86	20.76			
10	64QAM	25	25	20.81	20.91	20.84	22.5	3	
10	64QAM	50	0	20.68	20.83	20.72			
Channel				23025	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.62	23.67	23.58	25.5	0	
5	QPSK	1	12	23.57	23.58	23.56			
5	QPSK	1	24	23.57	23.55	23.52			
5	QPSK	12	0	22.55	22.67	22.54	24.5	1	
5	QPSK	12	7	22.51	22.64	22.59			
5	QPSK	12	13	22.51	22.52	22.52			
5	QPSK	25	0	22.55	22.67	22.53	24.5	1	
5	16QAM	1	0	22.57	22.55	22.56			
5	16QAM	1	12	22.51	22.55	22.59			
5	16QAM	1	24	22.59	22.54	22.55	23.5	2	
5	16QAM	12	0	21.65	21.74	21.63			
5	16QAM	12	7	21.61	21.63	21.59			
5	16QAM	12	13	21.53	21.66	21.59	23.5	2	
5	16QAM	25	0	21.53	21.58	21.51			
5	64QAM	1	0	21.54	21.71	21.58			
5	64QAM	1	12	21.55	21.64	21.64	23.5	2	
5	64QAM	1	24	21.51	21.61	21.56			
5	64QAM	12	0	20.77	20.90	20.83			
5	64QAM	12	7	20.69	20.79	20.65	22.5	3	
5	64QAM	12	13	20.67	20.85	20.72			
5	64QAM	25	0	20.56	20.80	20.65			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.54	23.63	23.60	25.5	0	
3	QPSK	1	8	23.57	23.56	23.58			
3	QPSK	1	14	23.53	23.57	23.59			
3	QPSK	8	0	22.52	22.66	22.52	24.5	1	
3	QPSK	8	4	22.58	22.57	22.51			
3	QPSK	8	7	22.56	22.54	22.55			
3	QPSK	15	0	22.50	22.58	22.57	24.5	1	
3	16QAM	1	0	22.59	22.54	22.59			
3	16QAM	1	8	22.58	22.51	22.80			
3	16QAM	1	14	22.53	22.59	22.51	23.5	2	
3	16QAM	8	0	21.59	21.75	21.66			
3	16QAM	8	4	21.58	21.67	21.61			
3	16QAM	8	7	21.56	21.72	21.55	23.5	2	
3	16QAM	15	0	21.55	21.63	21.54			
3	64QAM	1	0	21.60	21.72	21.63			
3	64QAM	1	8	21.56	21.64	21.60	23.5	2	
3	64QAM	1	14	21.59	21.64	21.57			
3	64QAM	8	0	20.79	20.86	20.79			
3	64QAM	8	4	20.77	20.71	20.72	22.5	3	
3	64QAM	8	7	20.74	20.79	20.73			
3	64QAM	15	0	20.63	20.75	20.61			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.64	23.65	23.58	25.5	0	
1.4	QPSK	1	3	23.52	23.51	23.55			
1.4	QPSK	1	5	23.56	23.70	23.65			
1.4	QPSK	3	0	23.55	23.63	23.59	24.5	1	
1.4	QPSK	3	1	23.56	23.58	23.59			
1.4	QPSK	3	3	23.52	23.52	23.54			
1.4	QPSK	6	0	22.58	22.72	22.61	24.5	1	
1.4	16QAM	1	0	22.52	22.58	22.50			
1.4	16QAM	1	3	22.54	22.51	22.57			
1.4	16QAM	1	5	22.54	22.60	22.53	24.5	1	
1.4	16QAM	3	0	22.54	22.57	22.51			
1.4	16QAM	3	1	22.51	22.57	22.50			
1.4	16QAM	3	3	22.58	22.52	22.56	23.5	2	
1.4	16QAM	6	0	21.66	21.75	21.56			
1.4	64QAM	1	0	21.59	21.59	21.52			
1.4	64QAM	1	3	21.59	21.67	21.52	23.5	2	
1.4	64QAM	1	5	21.54	21.58	21.52			
1.4	64QAM	3	0	21.55	21.71	21.60			
1.4	64QAM	3	1	21.50	21.68	21.63	22.5	3	
1.4	64QAM	3	3	21.53	21.58	21.53			
1.4	64QAM	6	0	20.74	20.82	20.66			

Band 17 Other PA Ant1 DSI0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	23.57	23.70	23.59	25.5	0	
10	QPSK	1	25	23.54	23.59	23.51			
10	QPSK	1	49	23.55	23.59	23.51			
10	QPSK	25	0	22.60	22.66	22.58	24.5	1	
10	QPSK	25	12	22.53	22.59	22.55			
10	QPSK	25	25	22.53	22.58	22.56			
10	QPSK	50	0	22.57	22.61	22.54	24.5	1	
10	16QAM	1	0	22.50	22.56	22.59			
10	16QAM	1	25	22.57	22.53	22.51			
10	16QAM	1	49	22.53	22.59	22.52	23.5	2	
10	16QAM	25	0	21.61	21.71	21.66			
10	16QAM	25	12	21.61	21.58	21.56			
10	16QAM	25	25	21.51	21.72	21.52	22.5	3	
10	16QAM	50	0	21.57	21.60	21.58			
10	64QAM	1	0	21.50	21.74	21.63			
10	64QAM	1	25	21.58	21.59	21.63	22.5	3	
10	64QAM	1	49	21.54	21.66	21.60			
10	64QAM	25	0	20.86	20.87	20.85			
10	64QAM	25	12	20.77	20.81	20.69	22.5	3	
10	64QAM	25	25	20.71	20.78	20.76			
10	64QAM	50	0	20.63	20.73	20.63			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.51	23.65	23.54	25.5	0	
5	QPSK	1	12	23.53	23.55	23.57			
5	QPSK	1	24	23.54	23.64	23.56			
5	QPSK	12	0	22.72	22.83	22.67	24.5	1	
5	QPSK	12	7	22.52	22.74	22.68			
5	QPSK	12	13	22.58	22.72	22.56			
5	QPSK	25	0	22.63	22.72	22.64	24.5	1	
5	16QAM	1	0	22.67	22.62	22.56			
5	16QAM	1	12	22.55	22.66	22.57			
5	16QAM	1	24	22.51	22.59	22.58	23.5	2	
5	16QAM	12	0	21.76	21.84	21.73			
5	16QAM	12	7	21.72	21.67	21.61			
5	16QAM	12	13	21.61	21.85	21.66	22.5	3	
5	16QAM	25	0	21.58	21.69	21.56			
5	64QAM	1	0	21.59	21.72	21.67			
5	64QAM	1	12	21.54	21.62	21.60	23.5	2	
5	64QAM	1	24	21.51	21.61	21.62			
5	64QAM	12	0	20.92	20.90	20.85			
5	64QAM	12	7	20.83	20.76	20.65	22.5	3	
5	64QAM	12	13	20.73	20.76	20.74			
5	64QAM	25	0	20.55	20.69	20.59			



Reduced Power Mode for Other PA DSI1

Band 12 Other PA Ant0 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.50	24.56	24.44	25.5	0	
10	QPSK	1	25	24.37	24.44	24.40			
10	QPSK	1	49	24.40	24.50	24.45			
10	QPSK	25	0	23.70	23.74	23.63	24.5	1	
10	QPSK	25	12	23.63	23.67	23.61			
10	QPSK	25	25	23.49	23.64	23.58			
10	QPSK	50	0	23.55	23.68	23.55	24.5	1	
10	16QAM	1	0	23.47	23.62	23.56			
10	16QAM	1	25	23.59	23.68	23.62			
10	16QAM	1	49	23.54	23.57	23.48	23.5	2	
10	16QAM	25	0	22.55	22.65	22.62			
10	16QAM	25	12	22.61	22.66	22.52			
10	16QAM	25	25	22.44	22.51	22.44	22.5	3	
10	16QAM	50	0	22.84	22.91	22.86			
10	64QAM	1	0	22.54	22.66	22.54			
10	64QAM	1	25	22.60	22.68	22.54	23.5	2	
10	64QAM	1	49	22.70	22.76	22.61			
10	64QAM	25	0	21.48	21.59	21.55			
10	64QAM	25	12	21.81	21.86	21.84	22.5	3	
10	64QAM	25	25	21.60	21.75	21.65			
10	64QAM	50	0	21.90	22.04	21.92			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.42	24.45	24.36	25.5	0	
5	QPSK	1	12	24.34	24.34	24.33			
5	QPSK	1	24	24.27	24.36	24.37			
5	QPSK	12	0	23.57	23.65	23.55	24.5	1	
5	QPSK	12	7	23.51	23.63	23.54			
5	QPSK	12	13	23.39	23.55	23.50			
5	QPSK	25	0	23.44	23.56	23.40	24.5	1	
5	16QAM	1	0	23.36	23.53	23.49			
5	16QAM	1	12	23.47	23.61	23.58			
5	16QAM	1	24	23.39	23.51	23.36	23.5	2	
5	16QAM	12	0	22.48	22.54	22.55			
5	16QAM	12	7	22.49	22.51	22.46			
5	16QAM	12	13	22.31	22.48	22.41	23.5	2	
5	16QAM	25	0	22.74	22.85	22.73			
5	64QAM	1	0	22.45	22.62	22.41			
5	64QAM	1	12	22.50	22.65	22.48	22.5	3	
5	64QAM	1	24	22.60	22.63	22.54			
5	64QAM	12	0	21.42	21.55	21.41			
5	64QAM	12	7	21.71	21.80	21.79	22.5	3	
5	64QAM	12	13	21.53	21.68	21.51			
5	64QAM	25	0	21.65	21.97	21.77			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.40	24.52	24.41	25.5	0	
3	QPSK	1	8	24.34	24.34	24.34			
3	QPSK	1	14	24.36	24.40	24.36			
3	QPSK	8	0	23.66	23.65	23.49	24.5	1	
3	QPSK	8	4	23.55	23.59	23.58			
3	QPSK	8	7	23.39	23.52	23.53			
3	QPSK	15	0	23.50	23.62	23.48	24.5	1	
3	16QAM	1	0	23.38	23.49	23.49			
3	16QAM	1	8	23.47	23.53	23.55			
3	16QAM	1	14	23.45	23.43	23.35	23.5	2	
3	16QAM	8	0	22.45	22.58	22.59			
3	16QAM	8	4	22.47	22.59	22.48			
3	16QAM	8	7	22.39	22.40	22.40	23.5	2	
3	16QAM	15	0	22.77	22.77	22.79			
3	64QAM	1	0	22.44	22.57	22.41			
3	64QAM	1	8	22.56	22.58	22.39	23.5	2	
3	64QAM	1	14	22.59	22.73	22.52			
3	64QAM	8	0	21.44	21.55	21.43			
3	64QAM	8	4	21.77	21.83	21.78	22.5	3	
3	64QAM	8	7	21.49	21.61	21.52			
3	64QAM	15	0	21.79	22.00	21.83			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.41	24.49	24.33	25.5	0	
1.4	QPSK	1	3	24.34	24.36	24.25			
1.4	QPSK	1	5	24.35	24.41	24.36			
1.4	QPSK	3	0	24.40	24.44	24.36	24.5	1	
1.4	QPSK	3	1	24.25	24.35	24.30			
1.4	QPSK	3	3	24.30	24.41	24.32			
1.4	QPSK	6	0	23.58	23.69	23.54	24.5	1	
1.4	16QAM	1	0	23.51	23.54	23.53			
1.4	16QAM	1	3	23.39	23.52	23.52			
1.4	16QAM	1	5	23.46	23.59	23.47	24.5	1	
1.4	16QAM	3	0	23.42	23.48	23.47			
1.4	16QAM	3	1	23.50	23.59	23.56			
1.4	16QAM	3	3	23.44	23.48	23.35	23.5	2	
1.4	16QAM	6	0	22.51	22.61	22.47			
1.4	64QAM	1	0	22.49	22.54	22.44			
1.4	64QAM	1	3	22.40	22.43	22.36	23.5	2	
1.4	64QAM	1	5	22.45	22.50	22.42			
1.4	64QAM	3	0	22.47	22.59	22.47			
1.4	64QAM	3	1	22.50	22.60	22.47	22.5	2	
1.4	64QAM	3	3	22.59	22.62	22.55			
1.4	64QAM	6	0	21.56	21.62	21.59			

Band 17 Other PA Ant0 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.43	24.51	24.46	25.5	0	
10	QPSK	1	25	24.31	24.40	24.36			
10	QPSK	1	49	24.38	24.47	24.33			
10	QPSK	25	0	23.64	23.68	23.57	24.5	1	
10	QPSK	25	12	23.45	23.59	23.46			
10	QPSK	25	25	23.34	23.46	23.34			
10	QPSK	50	0	23.46	23.55	23.46	24.5	1	
10	16QAM	1	0	23.46	23.50	23.42			
10	16QAM	1	25	23.29	23.42	23.32			
10	16QAM	1	49	23.21	23.34	23.26	23.5	2	
10	16QAM	25	0	22.58	22.73	22.62			
10	16QAM	25	12	22.69	22.72	22.58			
10	16QAM	25	25	22.65	22.73	22.62	23.5	2	
10	16QAM	50	0	22.67	22.79	22.73			
10	64QAM	1	0	22.43	22.50	22.41			
10	64QAM	1	25	22.50	22.54	22.48	22.5	2	
10	64QAM	1	49	22.26	22.32	22.21			
10	64QAM	25	0	21.59	21.66	21.59			
10	64QAM	25	12	21.68	21.77	21.66	22.5	3	
10	64QAM	25	25	21.50	21.56	21.49			
10	64QAM	50	0	21.59	21.66	21.62			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.39	24.45	24.43	25.5	0	
5	QPSK	1	12	24.24	24.35	24.25			
5	QPSK	1	24	24.35	24.35	24.22			
5	QPSK	12	0	23.59	23.61	23.49	24.5	1	
5	QPSK	12	7	23.40	23.47	23.39			
5	QPSK	12	13	23.28	23.42	23.25			
5	QPSK	25	0	23.44	23.55	23.39	24.5	1	
5	16QAM	1	0	23.32	23.45	23.31			
5	16QAM	1	12	23.20	23.32	23.26			
5	16QAM	1	24	23.07	23.29	23.22	23.5	2	
5	16QAM	12	0	22.54	22.67	22.51			
5	16QAM	12	7	22.66	22.59	22.54			
5	16QAM	12	13	22.58	22.59	22.51	23.5	2	
5	16QAM	25	0	22.57	22.67	22.63			
5	64QAM	1	0	22.38	22.37	22.37			
5	64QAM	1	12	22.41	22.46	22.37	23.5	2	
5	64QAM	1	24	22.22	22.27	22.16			
5	64QAM	12	0	21.44	21.48	21.53			
5	64QAM	12	7	21.60	21.70	21.54	22.5	3	
5	64QAM	12	13	21.37	21.51	21.39			
5	64QAM	25	0	21.44	21.57	21.49			

Band 12 Other PA Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				707.5	707.5	711.1			
10	QPSK	1	0	23.69	23.74	23.67	25.5	0	
10	QPSK	1	25	23.59	23.66	23.61			
10	QPSK	25	0	22.66	22.76	22.62			
10	QPSK	25	12	22.56	22.70	22.59	24.5	1	
10	QPSK	25	25	22.55	22.65	22.50			
10	QPSK	50	0	22.59	22.72	22.67			
10	16QAM	1	0	22.58	22.67	22.55	24.5	1	
10	16QAM	1	25	22.53	22.61	22.56			
10	16QAM	1	49	22.54	22.57	22.53			
10	16QAM	25	0	21.73	21.81	21.71	23.5	2	
10	16QAM	25	12	21.70	21.73	21.65			
10	16QAM	25	25	21.63	21.77	21.66			
10	16QAM	50	0	21.58	21.71	21.57	23.5	2	
10	64QAM	1	0	21.65	21.79	21.73			
10	64QAM	1	25	21.59	21.73	21.69			
10	64QAM	1	49	21.65	21.69	21.64	22.5	3	
10	64QAM	25	0	20.90	20.95	20.86			
10	64QAM	25	12	20.82	20.86	20.76			
10	64QAM	25	25	20.81	20.91	20.84	22.5	3	
10	64QAM	50	0	20.68	20.83	20.72			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.62	23.67	23.58	25.5	0	
5	QPSK	1	12	23.57	23.57	23.56			
5	QPSK	1	24	23.57	23.55	23.52			
5	QPSK	12	0	22.55	22.67	22.54	24.5	1	
5	QPSK	12	7	22.51	22.64	22.59			
5	QPSK	12	13	22.51	22.52	22.52			
5	QPSK	25	0	22.55	22.67	22.53	24.5	1	
5	16QAM	1	0	22.57	22.55	22.56			
5	16QAM	1	12	22.51	22.55	22.59			
5	16QAM	1	24	22.59	22.54	22.55	23.5	2	
5	16QAM	12	0	21.65	21.74	21.63			
5	16QAM	12	7	21.61	21.63	21.59			
5	16QAM	12	13	21.53	21.66	21.59	23.5	2	
5	16QAM	25	0	21.53	21.58	21.51			
5	64QAM	1	0	21.54	21.71	21.58			
5	64QAM	1	12	21.55	21.64	21.64	23.5	2	
5	64QAM	1	24	21.51	21.61	21.56			
5	64QAM	12	0	20.77	20.90	20.83			
5	64QAM	12	7	20.69	20.79	20.65	22.5	3	
5	64QAM	12	13	20.67	20.85	20.72			
5	64QAM	25	0	20.56	20.80	20.65			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.54	23.63	23.60	25.5	0	
3	QPSK	1	8	23.57	23.56	23.58			
3	QPSK	1	14	23.53	23.57	23.59			
3	QPSK	8	0	22.52	22.66	22.52	24.5	1	
3	QPSK	8	4	22.58	22.57	22.51			
3	QPSK	8	7	22.56	22.54	22.55			
3	QPSK	15	0	22.50	22.58	22.57	24.5	1	
3	16QAM	1	0	22.59	22.54	22.59			
3	16QAM	1	8	22.58	22.51	22.80			
3	16QAM	1	14	22.53	22.59	22.51	23.5	2	
3	16QAM	8	0	21.59	21.75	21.66			
3	16QAM	8	4	21.58	21.67	21.61			
3	16QAM	8	7	21.56	21.72	21.55	23.5	2	
3	16QAM	15	0	21.55	21.63	21.54			
3	64QAM	1	0	21.60	21.72	21.63			
3	64QAM	1	8	21.56	21.64	21.60	23.5	2	
3	64QAM	1	14	21.59	21.64	21.57			
3	64QAM	8	0	20.79	20.86	20.79			
3	64QAM	8	4	20.77	20.71	20.72	22.5	3	
3	64QAM	8	7	20.74	20.79	20.73			
3	64QAM	15	0	20.63	20.75	20.61			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.64	23.65	23.58	25.5	0	
1.4	QPSK	1	3	23.52	23.51	23.55			
1.4	QPSK	1	5	23.56	23.70	23.65			
1.4	QPSK	3	0	23.55	23.63	23.59	24.5	1	
1.4	QPSK	3	1	23.56	23.58	23.59			
1.4	QPSK	3	3	23.52	23.52	23.54			
1.4	QPSK	6	0	22.58	22.72	22.61	24.5	1	
1.4	16QAM	1	0	22.52	22.58	22.50			
1.4	16QAM	1	3	22.54	22.51	22.57			
1.4	16QAM	1	5	22.54	22.60	22.53	24.5	1	
1.4	16QAM	3	0	22.54	22.57	22.51			
1.4	16QAM	3	1	22.51	22.57	22.50			
1.4	16QAM	3	3	22.58	22.52	22.56	23.5	2	
1.4	16QAM	6	0	21.66	21.75	21.56			
1.4	64QAM	1	0	21.59	21.59	21.52			
1.4	64QAM	1	3	21.59	21.67	21.52	23.5	2	
1.4	64QAM	1	5	21.54	21.58	21.52			
1.4	64QAM	3	0	21.55	21.71	21.60			
1.4	64QAM	3	1	21.50	21.68	21.63	22.5	3	
1.4	64QAM	3	3	21.53	21.58	21.53			
1.4	64QAM	6	0	20.74	20.82	20.66			

Band 17 Other PA Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	23.57	23.70	23.59	25.5	0	
10	QPSK	1	25	23.54	23.59	23.51			
10	QPSK	1	49	23.55	23.59	23.51			
10	QPSK	25	0	22.60	22.66	22.58	24.5	1	
10	QPSK	25	12	22.53	22.59	22.55			
10	QPSK	25	25	22.53	22.58	22.56			
10	QPSK	50	0	22.57	22.61	22.54	24.5	1	
10	16QAM	1	0	22.50	22.56	22.59			
10	16QAM	1	25	22.57	22.53	22.51			
10	16QAM	1	49	22.53	22.59	22.52	23.5	2	
10	16QAM	25	0	21.61	21.71	21.66			
10	16QAM	25	12	21.61	21.58	21.56			
10	16QAM	25	25	21.51	21.72	21.52	23.5	2	
10	16QAM	50	0	21.57	21.60	21.58			
10	64QAM	1	0	21.50	21.74	21.63	23.5	2	
10	64QAM	1	25	21.58	21.59	21.63			
10	64QAM	1	49	21.54	21.66	21.60			
10	64QAM	25	0	20.86	20.87	20.85	22.5	3	
10	64QAM	25	12	20.77	20.81	20.69			
10	64QAM	25	25	20.71	20.78	20.76			
10	64QAM	50	0	20.63	20.73	20.63			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.51	23.65	23.54	25.5	0	
5	QPSK	1	12	23.53	23.55	23.57			
5	QPSK	1	24	23.54	23.64	23.56			
5	QPSK	12	0	22.72	22.83	22.67	24.5	1	
5	QPSK	12	7	22.52	22.74	22.68			
5	QPSK	12	13	22.58	22.72	22.56			
5	QPSK	25	0	22.63	22.72	22.64	24.5	1	
5	16QAM	1	0	22.67	22.62	22.57			
5	16QAM	1	12	22.55	22.66	22.56			
5	16QAM	1	24	22.51	22.59	22.58	23.5	2	
5	16QAM	12	0	21.76	21.84	21.75			
5	16QAM	12	7	21.72	21.67	21.61			
5	16QAM	12	13	21.65	21.85	21.66	23.5	2	
5	16QAM	25	0	21.58	21.69	21.56			
5	64QAM	1	0	21.59	21.72	21.67	23.5	2	
5	64QAM	1	12	21.54	21.62	21.60			
5	64QAM	1	24	21.51	21.61	21.60			
5	64QAM	12	0	20.92	20.90	20.85	22.5	3	
5	64QAM	12	7	20.83	20.76	20.65			
5	64QAM	12	13	20.73	20.76	20.74			
5	64QAM	25	0	20.55	20.69	20.58			



Reduced Power Mode for Other PA DSI3

Band 12 Other PA Ant0 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.50	24.56	24.44	25.5	0	
10	QPSK	1	25	24.37	24.44	24.40			
10	QPSK	1	49	24.40	24.50	24.45			
10	QPSK	25	0	23.70	23.74	23.63	24.5	1	
10	QPSK	25	12	23.63	23.67	23.61			
10	QPSK	25	25	23.49	23.64	23.58			
10	QPSK	50	0	23.55	23.68	23.55	24.5	1	
10	16QAM	1	0	23.47	23.62	23.56			
10	16QAM	1	25	23.59	23.68	23.62			
10	16QAM	1	49	23.54	23.57	23.48	23.5	2	
10	16QAM	25	0	22.55	22.65	22.62			
10	16QAM	25	12	22.61	22.66	22.57			
10	16QAM	25	25	22.44	22.51	22.44	22.5	3	
10	16QAM	50	0	22.84	22.91	22.86			
10	64QAM	1	0	22.54	22.66	22.54			
10	64QAM	1	25	22.60	22.68	22.54	23.5	2	
10	64QAM	1	49	22.70	22.76	22.61			
10	64QAM	25	0	21.48	21.59	21.55			
10	64QAM	25	12	21.81	21.86	21.84	22.5	3	
10	64QAM	25	25	21.60	21.75	21.65			
10	64QAM	50	0	21.90	22.04	21.92			
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.42	24.45	24.36	25.5	0	
5	QPSK	1	12	24.34	24.34	24.33			
5	QPSK	1	24	24.27	24.38	24.37			
5	QPSK	12	0	23.57	23.65	23.55	24.5	1	
5	QPSK	12	7	23.51	23.63	23.54			
5	QPSK	12	13	23.39	23.55	23.50			
5	QPSK	25	0	23.44	23.56	23.40	24.5	1	
5	16QAM	1	0	23.36	23.53	23.49			
5	16QAM	1	12	23.47	23.61	23.58			
5	16QAM	1	24	23.39	23.51	23.36	23.5	2	
5	16QAM	12	0	22.48	22.54	22.55			
5	16QAM	12	7	22.49	22.51	22.46			
5	16QAM	12	13	22.31	22.48	22.41	23.5	2	
5	16QAM	25	0	22.74	22.85	22.73			
5	64QAM	1	0	22.45	22.62	22.41			
5	64QAM	1	12	22.50	22.65	22.48	23.5	2	
5	64QAM	1	24	22.60	22.63	22.54			
5	64QAM	12	0	21.42	21.55	21.41			
5	64QAM	12	7	21.71	21.80	21.79	22.5	3	
5	64QAM	12	13	21.53	21.68	21.51			
5	64QAM	25	0	21.65	21.97	21.77			
Channel				23025	23095	23165	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.40	24.52	24.41	25.5	0	
3	QPSK	1	8	24.34	24.34	24.34			
3	QPSK	1	14	24.36	24.40	24.36			
3	QPSK	8	0	23.66	23.65	23.49	24.5	1	
3	QPSK	8	4	23.55	23.59	23.58			
3	QPSK	8	7	23.39	23.52	23.53			
3	QPSK	15	0	23.50	23.62	23.48	24.5	1	
3	16QAM	1	0	23.38	23.49	23.49			
3	16QAM	1	8	23.47	23.53	23.55			
3	16QAM	1	14	23.45	23.43	23.35	23.5	2	
3	16QAM	8	0	22.45	22.58	22.59			
3	16QAM	8	4	22.47	22.59	22.48			
3	16QAM	8	7	22.39	22.40	22.40	23.5	2	
3	16QAM	15	0	22.77	22.77	22.79			
3	64QAM	1	0	22.44	22.57	22.41			
3	64QAM	1	8	22.56	22.58	22.39	23.5	2	
3	64QAM	1	14	22.59	22.73	22.52			
3	64QAM	8	0	21.44	21.65	21.43			
3	64QAM	8	4	21.77	21.83	21.78	22.5	3	
3	64QAM	8	7	21.49	21.61	21.52			
3	64QAM	15	0	21.79	22.00	21.83			
Channel				23017	23095	23173	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.41	24.49	24.33	25.5	0	
1.4	QPSK	1	3	24.34	24.36	24.25			
1.4	QPSK	1	5	24.35	24.41	24.36			
1.4	QPSK	3	0	24.40	24.44	24.36	24.5	1	
1.4	QPSK	3	1	24.25	24.35	24.30			
1.4	QPSK	3	3	24.30	24.41	24.32			
1.4	QPSK	6	0	23.58	23.69	23.54	24.5	1	
1.4	16QAM	1	0	23.51	23.54	23.53			
1.4	16QAM	1	3	23.39	23.52	23.52			
1.4	16QAM	1	5	23.46	23.59	23.47	24.5	1	
1.4	16QAM	3	0	23.42	23.48	23.47			
1.4	16QAM	3	1	23.50	23.59	23.56			
1.4	16QAM	3	3	23.44	23.48	23.35	23.5	2	
1.4	16QAM	6	0	22.51	22.61	22.47			
1.4	64QAM	1	0	22.49	22.54	22.44			
1.4	64QAM	1	3	22.40	22.43	22.36	22.5	2	
1.4	64QAM	1	5	22.45	22.50	22.42			
1.4	64QAM	3	0	22.47	22.59	22.47			
1.4	64QAM	3	1	22.50	22.60	22.47	22.5	3	
1.4	64QAM	3	3	22.59	22.62	22.55			
1.4	64QAM	6	0	21.56	21.62	21.59			

Band 17 Other PA Ant0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800	700	710	
Frequency (MHz)				700	710	711			
10	QPSK	1	0	24.43	24.51	24.46	25.5	0	
10	QPSK	1	25	24.31	24.40	24.36			
10	QPSK	1	49	24.38	24.47	24.33			
10	QPSK	25	0	23.64	23.68	23.57	24.5	1	
10	QPSK	25	12	23.45	23.59	23.46			
10	QPSK	25	25	23.34	23.46	23.34			
10	QPSK	50	0	23.46	23.55	23.46	24.5	1	
10	16QAM	1	0	23.46	23.50	23.42			
10	16QAM	1	25	23.29	23.42	23.32			
10	16QAM	1	49	23.21	23.34	23.26	23.5	2	
10	16QAM	25	0	22.58	22.73	22.62			
10	16QAM	25	12	22.69	22.72	22.58			
10	16QAM	25	25	22.65	22.73	22.62	23.5	2	
10	16QAM	50	0	22.67	22.79	22.73			
10	64QAM	1	0	22.43	22.50	22.41			
10	64QAM	1	25	22.50	22.54	22.48	23.5	2	
10	64QAM	1	49	22.26	22.32	22.21			
10	64QAM	25	0	21.59	21.66	21.59			
10	64QAM	25	12	21.68	21.77	21.66	22.5	3	
10	64QAM	25	25	21.50	21.56	21.49			
10	64QAM	50	0	21.59	21.66	21.62			
Channel				23755	23790	23825	706.5	713.5	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.39	24.45	24.43	25.5	0	
5	QPSK	1	12	24.24	24.35	24.25			
5	QPSK	1	24	24.35	24.35	24.22			
5	QPSK	12	0	23.59	23.61	23.49	24.5	1	
5	QPSK	12	7	23.40	23.47	23.39			
5	QPSK	12	13	23.28	23.42	23.25			
5	QPSK	25	0	23.44	23.55	23.39	24.5	1	
5	16QAM	1	0	23.32	23.45	23.31			
5	16QAM	1	12	23.20	23.32	23.26			
5	16QAM	1	24	23.07	23.29	23.22	23.5	2	
5	16QAM	12	0	22.54	22.61	22.51			
5	16QAM	12	7	22.66	22.69	22.54			
5	16QAM	12	13	22.58	22.59	22.51	22.5	3	
5	16QAM	25	0	22.57	22.67	22.63			
5	64QAM	1	0	22.38	22.47	22.37			
5	64QAM	1	12	22.41	22.46	22.37	23.5	2	
5	64QAM	1	24	22.22	22.27	22.16			
5	64QAM	12	0	21.44	21.56	21.53			
5	64QAM	12	7	21.60	21.70	21.54	22.5	3	
5	64QAM	12	13	21.37	21.51	21.39			
5	64QAM	25	0	21.44	21.57	21.49			

Band 12 Other PA Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				701.5	707.5	711.5			
10	QPSK	1	0	23.69	23.74	23.67	25.5	0	
10	QPSK	1	25	23.59	23.66	23.61			
10	QPSK	1	49	23.57	23.61	23.52			
10	QPSK	25	0	22.66	22.76	22.67	24.5	1	
10	QPSK	25	12	22.56	22.70	22.59			
10	QPSK	25	25	22.55	22.65	22.50			
10	QPSK	50	0	22.59	22.72	22.67	24.5	1	
10	16QAM	1	0	22.58	22.67	22.55			
10	16QAM	1	25	22.53	22.61	22.56			
10	16QAM	1	49	22.54	22.57	22.53	23.5	2	
10	16QAM	25	0	21.73	21.81	21.71			
10	16QAM	25	12	21.70	21.73	21.65			
10	16QAM	25	25	21.63	21.77	21.66	22.5	3	
10	16QAM	50	0	21.58	21.71	21.57			
10	64QAM	1	0	21.65	21.79	21.73			
10	64QAM	1	25	21.59	21.73	21.69	23.5	2	
10	64QAM	1	49	21.65	21.69	21.64			
10	64QAM	25	0	20.90	20.95	20.86			
10	64QAM	25	12	20.82	20.86	20.76	22.5	3	
10	64QAM	25	25	20.81	20.91	20.84			
10	64QAM	50	0	20.68	20.83	20.72			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.62	23.67	23.58	25.5	0	
5	QPSK	1	12	23.57	23.58	23.56			
5	QPSK	1	24	23.57	23.55	23.52			
5	QPSK	12	0	22.55	22.67	22.54	24.5	1	
5	QPSK	12	7	22.51	22.64	22.59			
5	QPSK	12	13	22.51	22.52	22.52			
5	QPSK	25	0	22.55	22.67	22.53	24.5	1	
5	16QAM	1	0	22.57	22.55	22.56			
5	16QAM	1	12	22.51	22.55	22.59			
5	16QAM	1	24	22.59	22.54	22.55	23.5	2	
5	16QAM	12	0	21.65	21.74	21.63			
5	16QAM	12	7	21.61	21.63	21.59			
5	16QAM	12	13	21.53	21.66	21.59	23.5	2	
5	16QAM	25	0	21.53	21.58	21.51			
5	64QAM	1	0	21.54	21.71	21.58			
5	64QAM	1	12	21.55	21.64	21.64	23.5	2	
5	64QAM	1	24	21.51	21.61	21.56			
5	64QAM	12	0	20.77	20.90	20.83			
5	64QAM	12	7	20.69	20.79	20.65	22.5	3	
5	64QAM	12	13	20.67	20.85	20.72			
5	64QAM	25	0	20.56	20.80	20.65			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.54	23.63	23.60	25.5	0	
3	QPSK	1	8	23.57	23.56	23.58			
3	QPSK	1	14	23.53	23.57	23.59			
3	QPSK	8	0	22.52	22.66	22.52	24.5	1	
3	QPSK	8	4	22.58	22.57	22.51			
3	QPSK	8	7	22.56	22.54	22.55			
3	QPSK	15	0	22.50	22.58	22.57	24.5	1	
3	16QAM	1	0	22.59	22.54	22.59			
3	16QAM	1	8	22.58	22.51	22.80			
3	16QAM	1	14	22.53	22.59	22.51	23.5	2	
3	16QAM	8	0	21.59	21.75	21.65			
3	16QAM	8	4	21.58	21.67	21.61			
3	16QAM	8	7	21.56	21.72	21.55	23.5	2	
3	16QAM	15	0	21.55	21.63	21.54			
3	64QAM	1	0	21.60	21.72	21.63			
3	64QAM	1	8	21.56	21.64	21.60	23.5	2	
3	64QAM	1	14	21.59	21.64	21.57			
3	64QAM	8	0	20.79	20.86	20.79			
3	64QAM	8	4	20.77	20.71	20.72	22.5	3	
3	64QAM	8	7	20.74	20.79	20.73			
3	64QAM	15	0	20.63	20.75	20.61			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.64	23.65	23.58	25.5	0	
1.4	QPSK	1	3	23.52	23.51	23.55			
1.4	QPSK	1	5	23.56	23.70	23.65			
1.4	QPSK	3	0	23.55	23.63	23.59	24.5	1	
1.4	QPSK	3	1	23.56	23.58	23.59			
1.4	QPSK	3	3	23.52	23.52	23.54			
1.4	QPSK	6	0	22.58	22.72	22.61	24.5	1	
1.4	16QAM	1	0	22.52	22.58	22.50			
1.4	16QAM	1	3	22.54	22.51	22.57			
1.4	16QAM	1	5	22.54	22.60	22.53	24.5	1	
1.4	16QAM	3	0	22.54	22.57	22.51			
1.4	16QAM	3	1	22.51	22.57	22.50			
1.4	16QAM	3	3	22.58	22.52	22.56	23.5	2	
1.4	16QAM	6	0	21.66	21.75	21.56			
1.4	64QAM	1	0	21.59	21.59	21.52			
1.4	64QAM	1	3	21.59	21.67	21.52	23.5	2	
1.4	64QAM	1	5	21.54	21.58	21.52			
1.4	64QAM	3	0	21.55	21.71	21.60			
1.4	64QAM	3	1	21.50	21.68	21.63	22.5	3	
1.4	64QAM	3	3	21.53	21.58	21.53			
1.4	64QAM	6	0	20.74	20.82	20.66			

Band 17 Other PA Ant1 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	23.57	23.70	23.59	25.5	0	
10	QPSK	1	25	23.54	23.59	23.51			
10	QPSK	1	49	23.55	23.59	23.51			
10	QPSK	25	0	22.60	22.66	22.58	24.5	1	
10	QPSK	25	12	22.53	22.59	22.55			
10	QPSK	25	25	22.53	22.58	22.56			
10	QPSK	50	0	22.57	22.61	22.54	24.5	1	
10	16QAM	1	0	22.50	22.56	22.59			
10	16QAM	1	25	22.57	22.53	22.51			
10	16QAM	1	49	22.53	22.59	22.52	23.5	2	
10	16QAM	25	0	21.61	21.71	21.66			
10	16QAM	25	12	21.61	21.58	21.56			
10	16QAM	25	25	21.51	21.72	21.52	22.5	3	
10	16QAM	50	0	21.57	21.60	21.58			
10	64QAM	1	0	21.50	21.74	21.63			
10	64QAM	1	25	21.58	21.59	21.63	23.5	2	
10	64QAM	1	49	21.54	21.66	21.60			
10	64QAM	25	0	20.86	20.87	20.85			
10	64QAM	25	12	20.77	20.81	20.69	22.5	3	
10	64QAM	25	25	20.71	20.78	20.76			
10	64QAM	50	0	20.63	20.73	20.63			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.51	23.65	23.54	25.5	0	
5	QPSK	1	12	23.53	23.55	23.57			
5	QPSK	1	24	23.54	23.64	23.56			
5	QPSK	12	0	22.72	22.83	22.67	24.5	1	
5	QPSK	12	7	22.52	22.74	22.68			
5	QPSK	12	13	22.58	22.72	22.56			
5	QPSK	25	0	22.63	22.72	22.64	24.5	1	
5	16QAM	1	0	22.67	22.62	22.56			
5	16QAM	1	12	22.55	22.66	22.57			
5	16QAM	1	24	22.51	22.59	22.58	23.5	2	
5	16QAM	12	0	21.76	21.84	21.73			
5	16QAM	12	7	21.72	21.67	21.61			
5	16QAM	12	13	21.61	21.85	21.66	22.5	3	
5	16QAM	25	0	21.58	21.69	21.56			
5	64QAM	1	0	21.59	21.72	21.67			
5	64QAM	1	12	21.54	21.62	21.60	23.5	2	
5	64QAM	1	24	21.51	21.61	21.62			
5	64QAM	12	0	20.92	20.90	20.85			
5	64QAM	12	7	20.83	20.76	20.65	22.5	3	
5	64QAM	12	13	20.73	20.76	20.74			
5	64QAM	25	0	20.55	20.69	20.59			



Reduced Power Mode for Other PA DSI4

Band 12 Other PA Ant0 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.50	24.56	24.44	24.5	1	
10	QPSK	1	25	24.37	24.44	24.40			
10	QPSK	1	49	24.40	24.50	24.45			
10	QPSK	25	0	23.70	23.74	23.63			
10	QPSK	25	12	23.63	23.67	23.61			
10	QPSK	25	25	23.49	23.64	23.58	24.5	1	
10	QPSK	50	0	23.55	23.68	23.55			
10	16QAM	1	0	23.47	23.62	23.56			
10	16QAM	1	25	23.59	23.68	23.62			
10	16QAM	1	49	23.54	23.57	23.48			
10	16QAM	25	0	22.55	22.65	22.62	23.5	2	
10	16QAM	25	12	22.61	22.66	22.57			
10	16QAM	25	25	22.44	22.51	22.44			
10	16QAM	50	0	22.64	22.91	22.66			
10	64QAM	1	0	22.54	22.66	22.54			
10	64QAM	1	25	22.60	22.68	22.54	23.5	2	
10	64QAM	1	49	22.70	22.76	22.61			
10	64QAM	25	0	21.48	21.59	21.55			
10	64QAM	25	12	21.81	21.86	21.84			
10	64QAM	25	25	21.60	21.75	21.65			
10	64QAM	50	0	21.90	22.04	21.92	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	25.5	0	
5	QPSK	1	0	24.42	24.45	24.36			
5	QPSK	1	12	24.34	24.34	24.33	24.5	1	
5	QPSK	1	24	24.27	24.36	24.37			
5	QPSK	12	0	23.57	23.65	23.55			
5	QPSK	12	7	23.51	23.63	23.54			
5	QPSK	12	13	23.39	23.55	23.50			
5	QPSK	25	0	23.44	23.56	23.40	24.5	1	
5	16QAM	1	0	23.36	23.53	23.49			
5	16QAM	1	12	23.47	23.61	23.58			
5	16QAM	1	24	23.39	23.51	23.36			
5	16QAM	12	0	22.48	22.54	22.55			
5	16QAM	12	7	22.49	22.51	22.46	23.5	2	
5	16QAM	12	13	22.31	22.48	22.41			
5	16QAM	25	0	22.74	22.85	22.73			
5	64QAM	1	0	22.45	22.62	22.41			
5	64QAM	1	12	22.50	22.65	22.48			
5	64QAM	1	24	22.60	22.63	22.54	22.5	3	
5	64QAM	12	0	21.42	21.55	21.41			
5	64QAM	12	7	21.71	21.80	21.79			
5	64QAM	12	13	21.53	21.68	21.51			
5	64QAM	25	0	21.65	21.97	21.77			
Channel				23015	23095	23165	25.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.40	24.52	24.41	24.5	1	
3	QPSK	1	8	24.34	24.34	24.34			
3	QPSK	1	14	24.36	24.40	24.36			
3	QPSK	8	0	23.66	23.65	23.49			
3	QPSK	8	4	23.55	23.59	23.58			
3	QPSK	8	7	23.39	23.52	23.53	24.5	1	
3	QPSK	15	0	23.50	23.62	23.48			
3	16QAM	1	0	23.38	23.49	23.49			
3	16QAM	1	8	23.47	23.53	23.55			
3	16QAM	1	14	23.45	23.43	23.35			
3	16QAM	8	0	22.45	22.58	22.59	23.5	2	
3	16QAM	8	4	22.47	22.59	22.48			
3	16QAM	8	7	22.39	22.40	22.40			
3	16QAM	15	0	22.77	22.77	22.79			
3	64QAM	1	0	22.44	22.57	22.41			
3	64QAM	1	8	22.56	22.58	22.39	23.5	2	
3	64QAM	1	14	22.59	22.73	22.52			
3	64QAM	8	0	21.44	21.65	21.43			
3	64QAM	8	4	21.77	21.83	21.78			
3	64QAM	8	7	21.49	21.61	21.52			
3	64QAM	15	0	21.79	22.00	21.83	22.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	25.5	0	
1.4	QPSK	1	0	24.41	24.49	24.33			
1.4	QPSK	1	3	24.34	24.36	24.25	24.5	1	
1.4	QPSK	1	5	24.35	24.41	24.36			
1.4	QPSK	3	0	24.40	24.44	24.36			
1.4	QPSK	3	1	24.25	24.35	24.30			
1.4	QPSK	3	3	24.30	24.41	24.32			
1.4	QPSK	6	0	23.58	23.69	23.54	24.5	1	
1.4	16QAM	1	0	23.51	23.54	23.53			
1.4	16QAM	1	3	23.39	23.52	23.52			
1.4	16QAM	1	5	23.46	23.59	23.47			
1.4	16QAM	3	0	23.42	23.48	23.47			
1.4	16QAM	3	1	23.50	23.59	23.56	23.5	2	
1.4	16QAM	3	3	23.44	23.48	23.35			
1.4	16QAM	6	0	22.51	22.61	22.47			
1.4	64QAM	1	0	22.49	22.54	22.44			
1.4	64QAM	1	3	22.40	22.43	22.36			
1.4	64QAM	1	5	22.45	22.50	22.42	23.5	2	
1.4	64QAM	3	0	22.47	22.59	22.47			
1.4	64QAM	3	1	22.50	22.60	22.47			
1.4	64QAM	3	3	22.59	22.62	22.55			
1.4	64QAM	6	0	21.56	21.62	21.59			

Band 17 Other PA Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.43	24.51	24.46	25.5	0	
10	QPSK	1	25	24.31	24.40	24.36			
10	QPSK	1	49	24.38	24.47	24.33			
10	QPSK	25	0	23.64	23.68	23.57	24.5	1	
10	QPSK	25	12	23.45	23.59	23.46			
10	QPSK	25	25	23.34	23.46	23.34			
10	QPSK	50	0	23.46	23.55	23.46	24.5	1	
10	16QAM	1	0	23.45	23.50	23.42			
10	16QAM	1	25	23.29	23.42	23.32			
10	16QAM	1	49	23.21	23.34	23.26	23.5	2	
10	16QAM	25	0	22.58	22.73	22.62			
10	16QAM	25	12	22.69	22.72	22.58			
10	16QAM	25	25	22.65	22.73	22.62	23.5	2	
10	16QAM	50	0	22.67	22.79	22.73			
10	64QAM	1	0	22.43	22.50	22.41			
10	64QAM	1	25	22.50	22.54	22.48	23.5	2	
10	64QAM	1	49	22.26	22.32	22.21			
10	64QAM	25	0	21.59	21.66	21.59			
10	64QAM	25	12	21.68	21.77	21.66	22.5	3	
10	64QAM	25	25	21.50	21.56	21.49			
10	64QAM	50	0	21.59	21.66	21.62			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.39	24.45	24.43	25.5	0	
5	QPSK	1	12	24.24	24.35	24.25			
5	QPSK	1	24	24.35	24.35	24.22			
5	QPSK	12	0	23.59	23.61	23.49	24.5	1	
5	QPSK	12	7	23.40	23.47	23.39			
5	QPSK	12	13	23.28	23.42	23.25			
5	QPSK	25	0	23.44	23.55	23.39	24.5	1	
5	16QAM	1	0	23.32	23.45	23.31			
5	16QAM	1	12	23.20	23.32	23.26			
5	16QAM	1	24	23.07	23.29	23.22	23.5	2	
5	16QAM	12	0	22.54	22.61	22.51			
5	16QAM	12	7	22.66	22.69	22.54			
5	16QAM	12	13	22.58	22.59	22.51	23.5	2	
5	16QAM	25	0	22.57	22.67	22.63			
5	64QAM	1	0	22.38	22.47	22.37			
5	64QAM	1	12	22.41	22.46	22.37	23.5	2	
5	64QAM	1	24	22.22	22.27	22.16			
5	64QAM	12	0	21.44	21.56	21.53			
5	64QAM	12	7	21.60	21.70	21.54	22.5	3	
5	64QAM	12	13	21.37	21.51	21.39			
5	64QAM	25	0	21.44	21.57	21.49			

Band 12 Other PA Ant1 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23000	23095	23130				
Frequency (MHz)				707.5	707.5	711.1				
10	QPSK	1	0	23.69	23.74	23.67	25.5	0		
10	QPSK	1	25	23.59	23.66	23.61				
10	QPSK	1	49	23.57	23.61	23.52				
10	QPSK	25	0	22.66	22.76	22.67	24.5	1		
10	QPSK	25	12	22.56	22.70	22.59				
10	QPSK	25	25	22.55	22.65	22.60				
10	QPSK	50	0	22.59	22.72	22.67	24.5	1		
10	16QAM	1	0	22.58	22.67	22.55				
10	16QAM	1	25	22.53	22.61	22.56				
10	16QAM	1	49	22.54	22.57	22.53	23.5	2		
10	16QAM	25	0	21.73	21.81	21.71				
10	16QAM	25	12	21.70	21.73	21.65				
10	16QAM	25	25	21.63	21.77	21.66	23.5	2		
10	16QAM	50	0	21.58	21.71	21.57				
10	64QAM	1	0	21.65	21.79	21.73	23.5	2		
10	64QAM	1	25	21.59	21.73	21.69				
10	64QAM	1	49	21.65	21.69	21.64				
10	64QAM	25	0	20.90	20.95	20.88	22.5	3		
10	64QAM	25	12	20.82	20.86	20.76				
10	64QAM	25	25	20.81	20.91	20.84				
10	64QAM	50	0	20.68	20.83	20.72	Tune-up limit (dBm)		MPR (dB)	
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.62	23.67	23.58	25.5	0		
5	QPSK	1	12	23.57	23.58	23.58				
5	QPSK	1	24	23.57	23.55	23.52				
5	QPSK	12	0	22.55	22.67	22.54	24.5	1		
5	QPSK	12	7	22.51	22.64	22.59				
5	QPSK	12	13	22.51	22.52	22.52				
5	QPSK	25	0	22.55	22.67	22.53	24.5	1		
5	16QAM	1	0	22.57	22.55	22.58				
5	16QAM	1	12	22.51	22.55	22.59				
5	16QAM	1	24	22.59	22.54	22.55	23.5	2		
5	16QAM	12	0	21.65	21.74	21.63				
5	16QAM	12	7	21.61	21.63	21.59				
5	16QAM	12	13	21.53	21.66	21.59	23.5	2		
5	16QAM	25	0	21.53	21.58	21.51				
5	64QAM	1	0	21.54	21.71	21.58	23.5	2		
5	64QAM	1	12	21.55	21.64	21.64				
5	64QAM	1	24	21.51	21.61	21.56				
5	64QAM	12	0	20.77	20.90	20.83	22.5	3		
5	64QAM	12	7	20.69	20.79	20.65				
5	64QAM	12	13	20.67	20.85	20.72				
5	64QAM	25	0	20.56	20.80	20.60	Tune-up limit (dBm)		MPR (dB)	
Channel				23025	23095	23155				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.54	23.63	23.60	25.5	0		
3	QPSK	1	8	23.57	23.56	23.58				
3	QPSK	1	14	23.53	23.57	23.59				
3	QPSK	8	0	22.52	22.66	22.52	24.5	1		
3	QPSK	8	4	22.58	22.57	22.51				
3	QPSK	8	7	22.56	22.54	22.55				
3	QPSK	15	0	22.80	22.58	22.57	24.5	1		
3	16QAM	1	0	22.59	22.54	22.59				
3	16QAM	1	8	22.58	22.51	22.80				
3	16QAM	1	14	22.53	22.59	22.51	23.5	2		
3	16QAM	8	0	21.59	21.75	21.65				
3	16QAM	8	4	21.58	21.67	21.61				
3	16QAM	8	7	21.56	21.72	21.55	23.5	2		
3	16QAM	15	0	21.55	21.63	21.54				
3	64QAM	1	0	21.60	21.72	21.63				
3	64QAM	1	8	21.56	21.64	21.60	23.5	2		
3	64QAM	1	14	21.59	21.64	21.57				
3	64QAM	8	0	20.79	20.86	20.79				
3	64QAM	8	4	20.77	20.71	20.72	22.5	3		
3	64QAM	8	7	20.74	20.79	20.73				
3	64QAM	15	0	20.63	20.75	20.61				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.64	23.65	23.58	25.5	0		
1.4	QPSK	1	3	23.52	23.51	23.55				
1.4	QPSK	1	5	23.56	23.70	23.65				
1.4	QPSK	3	0	23.55	23.63	23.59	24.5	1		
1.4	QPSK	3	1	23.56	23.58	23.59				
1.4	QPSK	3	3	23.52	23.52	23.54				
1.4	QPSK	6	0	22.58	22.72	22.61	24.5	1		
1.4	16QAM	1	0	22.52	22.58	22.50				
1.4	16QAM	1	3	22.54	22.51	22.57				
1.4	16QAM	1	5	22.54	22.60	22.53	24.5	1		
1.4	16QAM	3	0	22.54	22.57	22.51				
1.4	16QAM	3	1	22.51	22.57	22.50				
1.4	16QAM	3	3	22.58	22.52	22.56	23.5	2		
1.4	16QAM	6	0	21.66	21.75	21.56				
1.4	64QAM	1	0	21.59	21.59	21.52				
1.4	64QAM	1	3	21.59	21.67	21.52	23.5	2		
1.4	64QAM	1	5	21.54	21.58	21.52				
1.4	64QAM	3	0	21.55	21.71	21.60				
1.4	64QAM	3	1	21.50	21.68	21.63	22.5	3		
1.4	64QAM	3	3	21.53	21.58	21.53				
1.4	64QAM	6	0	20.74	20.82	20.66				

Band 17 Other PA Ant1 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23760	23790	23800			
Frequency (MHz)				710	711	712			
10	QPSK	1	0	23.57	23.70	23.59	25.5	0	
10	QPSK	1	25	23.54	23.59	23.51			
10	QPSK	1	49	23.55	23.59	23.51			
10	QPSK	25	0	22.60	22.66	22.58	24.5	1	
10	QPSK	25	12	22.53	22.59	22.55			
10	QPSK	25	25	22.53	22.58	22.56			
10	QPSK	50	0	22.57	22.61	22.54	24.5	1	
10	16QAM	1	0	22.50	22.56	22.59			
10	16QAM	1	25	22.57	22.53	22.51			
10	16QAM	1	49	22.53	22.59	22.52	23.5	2	
10	16QAM	25	0	21.61	21.71	21.66			
10	16QAM	25	12	21.61	21.58	21.56			
10	16QAM	25	25	21.51	21.72	21.52	23.5	2	
10	16QAM	50	0	21.57	21.60	21.58			
10	64QAM	1	0	21.50	21.74	21.63	23.5	2	
10	64QAM	1	25	21.58	21.59	21.63			
10	64QAM	1	49	21.54	21.66	21.60			
10	64QAM	25	0	20.86	20.87	20.85	22.5	3	
10	64QAM	25	12	20.77	20.81	20.69			
10	64QAM	25	25	20.71	20.78	20.76			
10	64QAM	50	0	20.53	20.73	20.63	Tune-up limit (dbm)		MPR (db)
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.51	23.65	23.54	25.5	0	
5	QPSK	1	12	23.53	23.55	23.57			
5	QPSK	1	24	23.54	23.64	23.56			
5	QPSK	12	0	22.72	22.83	22.67	24.5	1	
5	QPSK	12	7	22.52	22.74	22.68			
5	QPSK	12	13	22.58	22.72	22.56			
5	QPSK	25	0	22.63	22.72	22.64	24.5	1	
5	16QAM	1	0	22.67	22.62	22.56			
5	16QAM	1	12	22.55	22.66	22.57			
5	16QAM	1	24	22.51	22.59	22.58	23.5	2	
5	16QAM	12	0	21.75	21.84	21.73			
5	16QAM	12	7	21.72	21.77	21.61			
5	16QAM	12	13	21.61	21.85	21.66	23.5	2	
5	16QAM	25	0	21.58	21.69	21.56			
5	64QAM	1	0	21.59	21.72	21.67			
5	64QAM	1	12	21.54	21.62	21.60	23.5	2	
5	64QAM	1	24	21.51	21.61	21.62			
5	64QAM	12	0	20.90	20.99	20.85			
5	64QAM	12	7	20.83	20.75	20.65	22.5	3	
5	64QAM	12	13	20.73	20.76	20.74			
5	64QAM	25	0	20.55	20.69	20.50			



DL CA Power

2CA DI

CA List	PCC										SCC				Power		大小256B 的PSSCH 资源情况	
	LTE	BW	BW	UL	UL	UL	UL	UL	UL	UL	LTE	BW	UL	UL	UL	UL		
	Band	Ant	Ant	Freq (MHz)	Channel	Mod.	RB	RB	RB	RB	Band	Ant	Ant	Freq (MHz)	Channel	UL Antenna Configuration		
CA_14+42A	Band	Ant	Ant	Freq (MHz)	Channel	Mod.	RB	RB	RB	RB	Band	Ant	Ant	Freq (MHz)	Channel	UL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band #1	Ant1	20M	2550	4260	QPSK	1	0	4X4 MIMO	Band #2	Ant1	20M	4260	4260	4260	4260	23.75	23.91
	Band #1	Ant2	20M	2550	4260	QPSK	1	0	4X4 MIMO	Band #2	Ant2	20M	4260	4260	4260	4260	23.38	23.38
	Band #1	Ant3	20M	2550	4260	QPSK	1	0	4X4 MIMO	Band #2	Ant3	20M	4260	4260	4260	4260	23.12	23.25
	Band #1	Ant4	20M	2550	4260	QPSK	1	0	4X4 MIMO	Band #2	Ant4	20M	4260	4260	4260	4260	25.28	25.31
	Band #1	Ant1	20M	2550	4260	QPSK	1	0	4X4 MIMO	Band #2	Ant1	20M	2953	40620	4260	4260	24.40	23.46
	Band #2	Ant1	20M	3500	4260	QPSK	1	0	4X4 MIMO	Band #1	Ant1	20M	2953	40620	4260	4260	24.97	25.05
	Band #2	Ant2	20M	3500	4260	QPSK	1	0	4X4 MIMO	Band #1	Ant2	20M	2953	40620	4260	4260	24.69	24.77
	Band #2	Ant3	20M	3500	4260	QPSK	1	0	4X4 MIMO	Band #1	Ant3	20M	2953	40620	4260	4260	24.38	24.46
	Band #2	Ant4	20M	3500	4260	QPSK	1	0	4X4 MIMO	Band #1	Ant4	20M	2953	40620	4260	4260	25.05	25.08
	Band #2	Ant1	20M	3500	4260	QPSK	1	0	4X4 MIMO	Band #1	Ant1	20M	2953	40620	4260	4260	24.69	24.77

3CA D

CA_14+2C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.77	23.81	0.04
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	25.24	25.28	0.14
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.12	23.25	0.13
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	25.28	25.31	0.03
	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	23.36	23.46	0.10
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	25.24	25.27	0.09
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	23.12	23.25	0.13
	Band 42	Ant4	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	24.67	24.77	0.10
	Band 42	Ant7	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	23.47	23.55	0.08
	Band 42	Ant8	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	23.74	23.81	0.07
CA_1C+42A	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	25.24	25.28	0.14
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	23.12	23.25	0.13
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	25.22	25.31	0.08
	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.34	23.46	0.12
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	24.66	24.77	0.09
	Band 42	Ant6	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	24.59	24.70	0.18
	Band 42	Ant7	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.47	23.55	0.08
	Band 42	Ant8	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.74	23.81	0.07

4CA DI

CA_41C-42C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.85	23.81	-0.04
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.38	23.38	0.00
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.83	23.82	-0.01
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	Band 42	20M	3500	42590	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	23.83	23.82	-0.01
	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.39	23.46	0.07
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 42	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	24.36	23.05	-1.31
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	24.69	24.77	0.12
	Band 42	Ant4	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.61	23.71	0.14
	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.61	23.71	0.14
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.61	23.71	0.14
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.61	23.71	0.14
	Band 42	Ant4	20M	3500	42590	QPSK	1	0	4X4 MIMO	Band 42	20M	3519.8	42788	4X4 MIMO	Band 41	20M	2593	40620	4X4 MIMO	Band 41	20M	2612.8	40818	4X4 MIMO	23.61	23.71	0.14



Default Uplink CA Power

CA_41C Ant4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.8	25.70	
40165	40363	QPSK	1	99	1	0	24.77	25.70	
40600	40818	QPSK	1	99	1	0	24.85	25.70	
41055	41253	QPSK	1	99	1	0	24.79	25.70	
41490	41292	QPSK	1	0	1	99	24.76	25.70	

CA_41C Ant2									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.75	25.50	
40165	40363	QPSK	1	99	1	0	24.62	25.50	
40600	40818	QPSK	1	99	1	0	24.91	25.50	
41055	41253	QPSK	1	99	1	0	24.79	25.50	
41490	41292	QPSK	1	0	1	99	24.88	25.50	

CA_41C Ant1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.32	24.50	
40165	40363	QPSK	1	99	1	0	23.36	24.50	
40600	40818	QPSK	1	99	1	0	23.45	24.50	
41055	41253	QPSK	1	99	1	0	23.41	24.50	
41490	41292	QPSK	1	0	1	99	23.34	24.50	

CA_41C Ant3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.57	24.50	
40165	40363	QPSK	1	99	1	0	22.64	24.50	
40600	40818	QPSK	1	99	1	0	22.67	24.50	
41055	41253	QPSK	1	99	1	0	22.62	24.50	
41490	41292	QPSK	1	0	1	99	22.59	24.50	

CA_42C Ant5									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	24.03	25.50	
42590	42788	QPSK	1	99	1	0	24.12	25.50	
42990	42792	QPSK	1	0	1	99	24.09	25.50	

CA_42C Ant1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	22.89	24.50	
42590	42788	QPSK	1	99	1	0	22.74	24.50	
42990	42792	QPSK	1	0	1	99	22.62	24.50	

CA_42C Ant6									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	23.82	25.00	
42590	42788	QPSK	1	99	1	0	23.94	25.00	
42990	42792	QPSK	1	0	1	99	23.91	25.00	

CA_42C Ant7									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	22.76	24.00	
42590	42788	QPSK	1	99	1	0	22.84	24.00	
42990	42792	QPSK	1	0	1	99	22.81	24.00	



DSI0 Uplink CA Power

CA_41C Ant4 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	21.71	22.70	
40165	40363	QPSK	1	99	1	0	21.67	22.70	
40600	40818	QPSK	1	99	1	0	21.8	22.70	
41055	41253	QPSK	1	99	1	0	21.74	22.70	
41490	41292	QPSK	1	0	1	99	21.69	22.70	

CA_41C Ant2 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.75	25.50	
40165	40363	QPSK	1	99	1	0	24.62	25.50	
40600	40818	QPSK	1	99	1	0	24.91	25.50	
41055	41253	QPSK	1	99	1	0	24.79	25.50	
41490	41292	QPSK	1	0	1	99	24.86	25.50	

CA_41C Ant1 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	19.13	20.50	
40165	40363	QPSK	1	99	1	0	19.16	20.50	
40600	40818	QPSK	1	99	1	0	19.22	20.50	
41055	41253	QPSK	1	99	1	0	19.16	20.50	
41490	41292	QPSK	1	0	1	99	19.09	20.50	

CA_41C Ant3 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	20.03	22.00	
40165	40363	QPSK	1	99	1	0	20.16	22.00	
40600	40818	QPSK	1	99	1	0	20.11	22.00	
41055	41253	QPSK	1	99	1	0	20.09	22.00	
41490	41292	QPSK	1	0	1	99	20.05	22.00	

CA_42C Ant5 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	18.92	20.50	
42590	42788	QPSK	1	99	1	0	19.05	20.50	
42990	42792	QPSK	1	0	1	99	18.97	20.50	

CA_42C Ant1 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	18.96	20.50	
42590	42788	QPSK	1	99	1	0	18.61	20.50	
42990	42792	QPSK	1	0	1	99	18.54	20.50	

CA_42C Ant6 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	16.63	18.00	
42590	42788	QPSK	1	99	1	0	16.72	18.00	
42990	42792	QPSK	1	0	1	99	16.66	18.00	

CA_42C Ant7 DSI0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	22.76	24.00	
42590	42788	QPSK	1	99	1	0	22.84	24.00	
42990	42792	QPSK	1	0	1	99	22.81	24.00	



DSI1 Uplink CA Power

CA_41C Ant4 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.2	25.20	
40165	40363	QPSK	1	99	1	0	24.29	25.20	
40600	40818	QPSK	1	99	1	0	24.34	25.20	
41055	41253	QPSK	1	99	1	0	24.31	25.20	
41490	41292	QPSK	1	0	1	99	24.22	25.20	

CA_41C Ant2 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.67	23.50	
40165	40363	QPSK	1	99	1	0	22.71	23.50	
40600	40818	QPSK	1	99	1	0	22.74	23.50	
41055	41253	QPSK	1	99	1	0	22.66	23.50	
41490	41292	QPSK	1	0	1	99	22.63	23.50	

CA_41C Ant1 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	21.22	22.50	
40165	40363	QPSK	1	99	1	0	21.25	22.50	
40600	40818	QPSK	1	99	1	0	21.33	22.50	
41055	41253	QPSK	1	99	1	0	21.21	22.50	
41490	41292	QPSK	1	0	1	99	21.27	22.50	

CA_41C Ant3 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.57	24.50	
40165	40363	QPSK	1	99	1	0	22.64	24.50	
40600	40818	QPSK	1	99	1	0	22.67	24.50	
41055	41253	QPSK	1	99	1	0	22.62	24.50	
41490	41292	QPSK	1	0	1	99	22.59	24.50	

CA_42C Ant5 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	20.87	22.50	
42590	42788	QPSK	1	99	1	0	20.98	22.50	
42990	42792	QPSK	1	0	1	99	20.92	22.50	

CA_42C Ant1 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	19.06	21.00	
42590	42788	QPSK	1	99	1	0	19.11	21.00	
42990	42792	QPSK	1	0	1	99	19.03	21.00	

CA_42C Ant6 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	20.18	21.50	
42590	42788	QPSK	1	99	1	0	20.26	21.50	
42990	42792	QPSK	1	0	1	99	20.21	21.50	

CA_42C Ant7 DSI1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	18.05	19.50	
42590	42788	QPSK	1	99	1	0	18.18	19.50	
42990	42792	QPSK	1	0	1	99	18.11	19.50	



DSI3 Uplink CA Power

CA_41C Ant4 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.2	25.20	
40165	40363	QPSK	1	99	1	0	24.29	25.20	
40600	40818	QPSK	1	99	1	0	24.34	25.20	
41055	41253	QPSK	1	99	1	0	24.31	25.20	
41490	41292	QPSK	1	0	1	99	24.22	25.20	

CA_41C Ant2 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	24.75	25.50	
40165	40363	QPSK	1	99	1	0	24.62	25.50	
40600	40818	QPSK	1	99	1	0	24.91	25.50	
41055	41253	QPSK	1	99	1	0	24.79	25.50	
41490	41292	QPSK	1	0	1	99	24.86	25.50	

CA_41C Ant1 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.32	24.50	
40165	40363	QPSK	1	99	1	0	23.36	24.50	
40600	40818	QPSK	1	99	1	0	23.45	24.50	
41055	41253	QPSK	1	99	1	0	23.41	24.50	
41490	41292	QPSK	1	0	1	99	23.34	24.50	

CA_41C Ant3 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.57	24.50	
40165	40363	QPSK	1	99	1	0	22.64	24.50	
40600	40818	QPSK	1	99	1	0	22.67	24.50	
41055	41253	QPSK	1	99	1	0	22.62	24.50	
41490	41292	QPSK	1	0	1	99	22.59	24.50	

CA_42C Ant5 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	20.87	22.50	
42590	42788	QPSK	1	99	1	0	20.98	22.50	
42990	42792	QPSK	1	0	1	99	20.92	22.50	

CA_42C Ant1 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	21.55	23.00	
42590	42788	QPSK	1	99	1	0	21.59	23.00	
42990	42792	QPSK	1	0	1	99	21.52	23.00	

CA_42C Ant6 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	20.18	21.50	
42590	42788	QPSK	1	99	1	0	20.26	21.50	
42990	42792	QPSK	1	0	1	99	20.21	21.50	

CA_42C Ant7 DSI3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	22.76	24.00	
42590	42788	QPSK	1	99	1	0	22.84	24.00	
42990	42792	QPSK	1	0	1	99	22.81	24.00	



DSI4 Uplink CA Power

CA_41C Ant4 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	21.71	22.70	
40165	40363	QPSK	1	99	1	0	21.67	22.70	
40620	40818	QPSK	1	99	1	0	21.8	22.70	
41055	41253	QPSK	1	99	1	0	21.74	22.70	
41490	41292	QPSK	1	0	1	99	21.69	22.70	

CA_41C Ant2 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.67	23.50	
40165	40363	QPSK	1	99	1	0	22.71	23.50	
40620	40818	QPSK	1	99	1	0	22.74	23.50	
41055	41253	QPSK	1	99	1	0	22.66	23.50	
41490	41292	QPSK	1	0	1	99	22.63	23.50	

CA_41C Ant1 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	19.13	20.50	
40165	40363	QPSK	1	99	1	0	19.16	20.50	
40620	40818	QPSK	1	99	1	0	19.22	20.50	
41055	41253	QPSK	1	99	1	0	19.16	20.50	
41490	41292	QPSK	1	0	1	99	19.09	20.50	

CA_41C Ant3 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	20.03	22.00	
40165	40363	QPSK	1	99	1	0	20.16	22.00	
40620	40818	QPSK	1	99	1	0	20.11	22.00	
41055	41253	QPSK	1	99	1	0	20.09	22.00	
41490	41292	QPSK	1	0	1	99	20.05	22.00	

CA_42C Ant5 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	18.92	20.50	
42590	42788	QPSK	1	99	1	0	19.05	20.50	
42990	42792	QPSK	1	0	1	99	18.97	20.50	

CA_42C Ant1 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	18.96	20.50	
42590	42788	QPSK	1	99	1	0	18.61	20.50	
42990	42792	QPSK	1	0	1	99	18.54	20.50	

CA_42C Ant6 DSI4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	99	1	0	16.63	18.00	
42590	42788	QPSK	1	99	1	0	16.72	18.00	
42990	42792	QPSK	1	0	1	99	16.66	18.00	



CA_42C Ant7 DS4							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
42190	42388	QPSK	1	99	1	0	17.21
42590	42788	QPSK	1	99	1	0	17.28
42990	42792	QPSK	1	0	1	99	17.17



Default Power for FR1 Main PA

n41 Main PA Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	23.93	23.96	23.89	25.0	0.0	
100	QPSK	1	137	23.84	23.93	23.87			
100	QPSK	1	271	23.75	23.88	23.75			
100	QPSK	135	0	22.87	22.98	22.97			
100	QPSK	135	69	23.78	23.92	23.85	25.0	0.0	
100	QPSK	135	138	22.88	22.97	22.90	24.0	1.0	
100	QPSK	270	0	22.94	23.07	23.01			
100	16QAM	1	1	22.80	22.95	22.91	24.0	1.0	
100	64QAM	1	1	21.28	21.34	21.30	22.5	2.5	
100	256QAM	1	1	19.43	19.55	19.49	20.5	4.5	
Channel				508200	518598	528099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2941	2992.99	2644.98	25.0	0.0	
90	QPSK	1	1	23.82	23.92	23.80			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2640.99	25.0	0.0	
80	QPSK	1	1	23.84	23.95	23.79			
Channel				509200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	25.0	0.0	
60	QPSK	1	1	23.91	23.96	23.82			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	25.0	0.0	
50	QPSK	1	1	23.80	23.85	23.81			
Channel				502002	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.0	0.0	
40	QPSK	1	1	23.86	23.92	23.75			
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	25.0	0.0	
30	QPSK	1	1	23.81	23.90	23.84			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	25.0	0.0	
20	QPSK	1	1	23.81	23.86	23.83			

Part270 n77 Main PA Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	25.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	QPSK	1	1	23.21	23.31	23.26	25.0	0.0	
100	QPSK	1	137	23.12	23.22	23.20			
100	QPSK	1	271	23.09	23.20	23.07			
100	QPSK	135	0	22.11	22.37	22.14			
100	QPSK	135	69	23.11	23.27	23.14	25.0	0.0	
100	QPSK	135	138	22.17	22.26	22.19	24.0	1.0	
100	QPSK	270	0	22.25	22.30	22.22			
100	16QAM	1	1	22.12	22.21	22.21	24.0	1.0	
100	64QAM	1	1	20.59	20.64	20.58	22.5	2.5	
100	256QAM	1	1	18.76	18.92	18.71	20.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	25.0	0.0	
90	QPSK	1	1	23.15	23.20	23.20			
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	25.0	0.0	
80	QPSK	1	1	23.10	23.19	23.15			
Channel				648998	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	25.0	0.0	
60	QPSK	1	1	23.10	23.20	23.15			
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	25.0	0.0	
50	QPSK	1	1	23.13	23.21	23.16			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	25.0	0.0	
40	QPSK	1	1	23.14	23.24	23.16			
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	25.0	0.0	
30	QPSK	1	1	23.14	23.24	23.14			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	25.0	0.0	
20	QPSK	1	1	23.16	23.26	23.15			

Part27Q n77 Main PA Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	3500.01	25.0	0.0
Frequency (MHz)				23.33				
100	QPSK	1	1		23.26			
100	QPSK	1	137		23.12			
100	QPSK	1	271		22.32		24.0	1.0
100	QPSK	135	0				25.0	0.0
100	QPSK	135	69		23.31			
100	QPSK	135	138		22.26		24.0	1.0
100	QPSK	270	0		22.39			
100	16QAM	1	1		22.19		24.0	1.0
100	64QAM	1	1		20.65		22.5	2.5
100	256QAM	1	1		18.87		20.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.20	23.25	23.13	25.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.13	23.19	23.03	25.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.14	23.16	23.08	25.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.08	23.16	22.99	25.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.10	23.17	23.05	25.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.10	23.20	23.10	25.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.16	23.11	23.08	25.0	0.0

Part27O n78 Main PA Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	25.0	0.0
Frequency (MHz)				3750	3750	3750		
100	QPSK	1	1		23.35			
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.06		24.0	1.0
100	QPSK	135	0		22.18		25.0	0.0
100	QPSK	135	69		23.31			
100	QPSK	135	138		22.19		24.0	1.0
100	QPSK	270	0		22.30			
100	16QAM	1	1		22.16		24.0	1.0
100	64QAM	1	1		20.61		22.5	2.5
100	256QAM	1	1		18.77		20.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	23.07	23.18	23.11	25.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	23.05	23.22	23.15	25.0	0.0
Channel				648968	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	23.09	23.22	23.15	25.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	23.03	23.11	23.02	25.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.05	23.07	23.01	25.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	23.04	23.11	23.03	25.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	23.02	23.10	23.06	25.0	0.0

Part27Q n78 Main PA Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	QPSK	1	1		23.41		25.0	0.0
100	QPSK	1	137		23.34			
100	QPSK	1	271		23.23		24.0	1.0
100	QPSK	135	0		22.46			
100	QPSK	135	69		23.34		25.0	0.0
100	QPSK	135	138		22.36		24.0	1.0
100	QPSK	270	0		22.41			
100	16QAM	1	1		22.25		24.0	1.0
100	64QAM	1	1		20.80		22.5	2.5
100	256QAM	1	1		19.01		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.21	23.35	23.28	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.15	23.22	23.25	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.19	23.32	23.15	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.19	23.32	23.16	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.18	23.30	23.20	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.18	23.24	23.18	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.13	23.33	23.21	25.0	0.0

n41 Main PA Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	535200	25.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	25.27	25.38	25.36			
100	QPSK	1	137	25.24	25.37	25.28	25.7	0.0	
100	QPSK	1	271	25.18	25.26	25.18			
100	QPSK	135	0	24.46	24.43	24.41			
100	QPSK	135	69	25.20	25.35	25.22	24.7	1.0	
100	QPSK	135	138	24.37	24.35	24.21			
100	QPSK	270	0	24.42	24.45	24.44			
100	16QAM	1	1	24.21	24.31	24.14	24.7	1.0	
100	64QAM	1	1	22.64	22.80	22.72	23.2	2.5	
100	256QAM	1	1	20.80	21.00	20.83	21.2	4.5	
Channel				508200	518598	535200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.17	25.28	25.29		0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.24	25.30	25.25		0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	25.18	25.25	25.28		0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.21	25.25	25.33		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.23	25.25	25.22		0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.14	25.25	25.32		0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	25.22	25.31	25.29		0.0	

n41 Main PA Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	23.14	23.19	23.08		
100	QPSK	1	137	23.09	23.14	23.04	24.5	0.0
100	QPSK	1	271	23.00	23.10	23.05		
100	QPSK	135	0	22.23	22.28	22.13		
100	QPSK	135	69	22.99	23.14	23.09	24.5	0.0
100	QPSK	135	138	21.95	22.05	21.92		
100	QPSK	270	0	22.10	22.21	21.98		
100	16QAM	1	1	22.03	22.17	22.05	23.5	1.0
100	64QAM	1	1	20.50	20.58	20.55	22.0	2.5
100	256QAM	1	1	18.79	18.86	18.80	20.0	4.5
Channel				508200	518598	529998	24.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.04	23.14	23.02		
Channel				507204	518598	529998	24.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.09	23.06	23.02		
Channel				505200	518598	531998	24.5	0.0
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	23.10	23.17	23.02		
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.03	23.08	22.97		
Channel				503202	518598	534000	24.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.00	23.05	22.98		
Channel				502200	518598	534998	24.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.11	23.16	23.01		
Channel				501204	518598	535998	24.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.10	23.11	23.02		

n41 Main PA Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	25.7	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	25.42	25.54	25.47	25.7	0.0
100	QPSK	1	137	25.36	25.51	25.40		
100	QPSK	1	271	25.28	25.43	25.26	24.7	1.0
100	QPSK	135	0	24.47	24.55	24.43		
100	QPSK	135	69	25.36	25.47	25.31	24.7	1.0
100	QPSK	135	138	24.36	24.50	24.31		
100	QPSK	270	0	24.39	24.52	24.30	24.7	1.0
100	16QAM	1	1	24.42	24.41	24.33		
100	64QAM	1	1	22.75	22.89	22.81	23.2	2.5
100	256QAM	1	1	21.03	21.09	21.01		
Channel				508200	518598	532998	25.7	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.35	25.49	25.40	25.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0
80	QPSK	1	1	25.35	25.52	25.36		
Channel				505200	518598	531998	25.7	0.0
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	25.36	25.46	25.40	25.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	25.7	0.0
50	QPSK	1	1	25.35	25.50	25.36		
Channel				503202	518598	534000	25.7	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.33	25.39	25.37	25.7	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	25.7	0.0
30	QPSK	1	1	25.34	25.49	25.36		
Channel				501204	518598	535998	25.7	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.36	25.45	25.35	25.7	0.0
Channel				500200	518598	536998		
Frequency (MHz)				2496.02	2592.99	2684.99		

Part27O n77 Main PA Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	25.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	24.72	24.77	24.70	25.5	0.0
100	QPSK	1	137	24.65	24.62	24.65		
100	QPSK	1	271	24.50	24.62	24.46	24.5	1.0
100	QPSK	135	0	23.52	23.74	23.60		
100	QPSK	135	69	24.56	24.72	24.52	25.5	0.0
100	QPSK	135	138	23.53	23.62	23.57	24.5	1.0
100	QPSK	270	0	23.64	23.67	23.60		
100	16QAM	1	1	23.47	23.62	23.63	24.5	1.0
100	64QAM	1	1	22.05	22.10	21.94	23.0	2.5
100	256QAM	1	1	20.20	20.38	20.10	21.0	4.5
Channel				616850	626000	622334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.40	24.65	24.46	25.5	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.64	24.68	24.58	25.5	0.0
Channel				616850	626000	622334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.64	24.70	24.65	25.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.46	24.60	24.39	25.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.71	24.68	24.67	25.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.68	24.66	24.56	25.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.71	24.71	24.60	25.5	0.0

Part27Q n77 Main PA Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel						633334	25.5	0.0
Frequency (MHz)						3500.01		
100	QPSK	1	1		24.72		25.5	0.0
100	QPSK	1	137		24.53			
100	QPSK	1	271		24.55		24.5	1.0
100	QPSK	135	0		23.65			
100	QPSK	135	69		24.66		25.5	0.0
100	QPSK	135	138		23.49		24.5	1.0
100	QPSK	270	0		23.63			
100	16QAM	1	1		23.48		24.5	1.0
100	64QAM	1	1		21.96		23.0	2.5
100	256QAM	1	1		20.28		21.0	4.5
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.41	24.65	24.45	25.5	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.53	24.69	24.52	25.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.53	24.57	24.54	25.5	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.48	24.60	24.44	25.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.61	24.66	24.48	25.5	0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.55	24.59	24.57	25.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.61	24.62	24.54	25.5	0.0



Part270 n78 Main PA Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		24.80		25.5	0.0
100	QPSK	1	137		24.54			
100	QPSK	1	271		24.64			
100	QPSK	135	0		23.76		24.5	1.0
100	QPSK	135	69		24.73		25.5	0.0
100	QPSK	135	138		23.51		24.5	1.0
100	QPSK	270	0		23.65			
100	16QAM	1	1		23.59		24.5	1.0
100	64QAM	1	1		22.01		23.0	2.5
100	256QAM	1	1		20.34		21.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.90	24.68	23.61	25.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.61	24.73	23.62	25.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.61	24.66	23.57	25.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.63	24.72	23.64	25.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.60	24.70	23.63	25.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.66	24.64	23.61	25.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	24.59	24.67	23.64	25.5	0.0

Part27Q n78 Main PA Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	QPSK	1	1		24.74		25.5	0.0
100	QPSK	1	137		24.44			
100	QPSK	1	271		24.57			
100	QPSK	135	0		23.67		24.5	1.0
100	QPSK	135	69		24.66		25.5	0.0
100	QPSK	135	138		23.46		24.5	1.0
100	QPSK	270	0		23.51			
100	16QAM	1	1		23.47		24.5	1.0
100	64QAM	1	1		21.94		23.0	2.5
100	256QAM	1	1		20.21		21.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.58	24.66	24.58	25.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.57	24.60	24.62	25.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.65	24.65	24.59	25.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.65	24.70	24.61	25.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.62	24.69	24.53	25.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.62	24.67	24.59	25.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.63	24.62	24.62	25.5	0.0



Part27O n77 Main PA Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000	26.0	0.0
Frequency (MHz)				3750	3840	3830		
100	QPSK	1	1	24.39	24.47	24.34		
100	QPSK	1	137	24.23	24.34	24.27	25.0	1.0
100	QPSK	1	271	24.24	24.33	24.19		
100	QPSK	135	0	23.21	23.54	23.28		
100	QPSK	135	69	24.16	24.35	24.24	26.0	0.0
100	QPSK	135	138	23.24	23.29	23.20	25.0	1.0
100	QPSK	270	0	23.30	23.37	23.28		
100	16QAM	1	1	23.18	23.31	23.34		
100	64QAM	1	1	21.75	21.73	21.68	23.5	2.5
100	256QAM	1	1	19.88	20.06	19.77	21.5	4.5
Channel				656850	662000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	24.19	24.29	24.11	26.0	0.0
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3840.02		
80	QPSK	1	1	24.28	24.34	24.25	26.0	0.0
Channel				656850	666000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	24.26	24.43	24.23	26.0	0.0
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	24.15	24.30	24.19	26.0	0.0
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	24.35	24.44	24.20	26.0	0.0
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3865.01		
30	QPSK	1	1	24.31	24.38	24.21	26.0	0.0
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	24.35	24.40	24.26	26.0	0.0

Part27Q n77 Main PA Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			26.0	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		24.65			
100	QPSK	1	137		24.46		25.0	1.0
100	QPSK	1	271		24.48			
100	QPSK	135	0		23.66			
100	QPSK	135	69		24.56		26.0	0.0
100	QPSK	135	138		23.45		25.0	1.0
100	QPSK	270	0		23.54			
100	16QAM	1	1		23.38			
100	64QAM	1	1		21.81		23.5	2.5
100	256QAM	1	1		20.23		21.5	4.5
Channel				633000	633334	632668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3495.02		
90	QPSK	1	1	24.22	24.26	24.18	26.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.54	24.57	24.50	26.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.59	24.59	24.48	26.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.15	24.21	24.14	26.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.49	24.55	24.42	26.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.48	24.52	24.51	26.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.59	24.58	24.52	26.0	0.0



Part270 n78 Main PA Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	26.0	0.0
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		24.57			
100	QPSK	1	137		24.46			
100	QPSK	1	271		24.45		25.0	1.0
100	QPSK	135	0		23.60			
100	QPSK	135	69		24.48			
100	QPSK	135	138		23.35			
100	QPSK	270	0		23.46		25.0	1.0
100	16QAM	1	1		23.44			
100	64QAM	1	1		21.84			
100	256QAM	1	1		20.15			
Channel				649668	650000	650334	21.5	4.5
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.44	24.47	24.40		
Channel				649334	650000	650668	26.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.51	24.54	24.39		
Channel				648968	650000	651334	26.0	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.40	24.53	24.44		
Channel				648334	650000	651668	26.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.41	24.49	24.44		
Channel				648000	650000	652000	26.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.51	24.45	24.38		
Channel				647668	650000	652334	26.0	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.42	24.44	24.39		
Channel				647334	650000	652668	26.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	24.47	24.51	24.42		

Part27Q n78 Main PA Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	26.0	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		24.74			
100	QPSK	1	137		24.54		25.0	1.0
100	QPSK	1	271		24.58			
100	QPSK	135	0		23.79			
100	QPSK	135	69		24.68			
100	QPSK	135	138		23.57		25.0	1.0
100	QPSK	270	0		23.69			
100	16QAM	1	1		23.47			
100	64QAM	1	1		21.91			
100	256QAM	1	1		20.32		21.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.54	24.61	24.57	26.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.56	24.62	24.56		
Channel				632000	633334	634668	26.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.63	24.59	24.56		
Channel				631668	633334	635000	26.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.59	24.65	24.52		
Channel				631334	633334	635334	26.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.55	24.66	24.58		
Channel				631000	633334	635668	26.0	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.57	24.63	24.54		
Channel				630668	633334	636000	26.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.59	24.69	24.48		

Part27O n77 Main PA Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	25.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	23.21	23.28	23.19		
100	QPSK	1	137	23.09	23.18	23.15	24.0	1.0
100	QPSK	1	271	23.05	23.09	23.04		
100	QPSK	135	0	22.04	22.32	22.11		
100	QPSK	135	69	23.06	23.14	23.10	25.0	0.0
100	QPSK	135	138	22.08	22.16	22.07	24.0	1.0
100	QPSK	270	0	22.12	22.19	22.08		
100	16QAM	1	1	22.09	22.11	22.16	24.0	1.0
100	64QAM	1	1	20.55	20.61	20.67	22.5	2.5
100	256QAM	1	1	18.88	18.82	18.72	20.5	4.5
Channel				658688	659000	662234	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	23.25	23.14	23.11	25.0	0.0
Channel				648334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	23.12	23.18	23.08	25.0	0.0
Channel				648688	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3720.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	23.16	23.16	23.05	25.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	23.23	23.16	23.18	25.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3950	(dBm)	(dB)
40	QPSK	1	1	23.16	23.24	23.13	25.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	23.13	23.22	23.07	25.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	23.15	23.14	23.11	25.0	0.0

Part27Q n77 Main PA Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			25.0	0.0
Frequency (MHz)				3600.01				
100	QPSK	1	1	23.60				
100	QPSK	1	137	23.45			24.0	1.0
100	QPSK	1	271	23.38				
100	QPSK	135	0	22.63				
100	QPSK	135	69	23.56			25.0	0.0
100	QPSK	135	138	22.42			24.0	1.0
100	QPSK	270	0	22.50				
100	16QAM	1	1	22.45			24.0	1.0
100	64QAM	1	1	20.93			22.5	2.5
100	256QAM	1	1	18.10			20.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3465	3600.01	3605.02	(dBm)	(dB)
90	QPSK	1	1	23.41	23.43	23.32	25.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.34	23.43	23.27	25.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3460	3600.01	3620.02	(dBm)	(dB)
60	QPSK	1	1	23.42	23.42	23.32	25.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.38	23.37	23.30	25.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3630.01	(dBm)	(dB)
40	QPSK	1	1	23.42	23.42	23.32	25.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3635.02	(dBm)	(dB)
30	QPSK	1	1	23.36	23.42	23.28	25.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3600.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.38	23.43	23.32	25.0	0.0

Part270 n78 Main PA Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3760	3760		
100	QPSK	1	1		23.39		25.0	0.0
100	QPSK	1	137		23.23			
100	QPSK	1	271		23.14			
100	QPSK	135	0		22.44		24.0	1.0
100	QPSK	135	69		23.32		25.0	0.0
100	QPSK	135	138		22.29		24.0	1.0
100	QPSK	270	0		22.31			
100	16QAM	1	1		22.26		24.0	1.0
100	64QAM	1	1		20.67		22.5	2.5
100	256QAM	1	1		18.90		20.5	4.5
Channel				649668	650000	650384	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3760	3765.01		
90	QPSK	1	1	23.14	23.26	23.13	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	23.18	23.30	23.17	25.0	0.0
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.02	3760	3770.01		
60	QPSK	1	1	23.11	23.33	23.22	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	23.20	23.31	23.22	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	23.16	23.27	23.20	25.0	0.0
Channel				647868	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	23.15	23.25	23.15	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	23.11	23.36	23.20	25.0	0.0

Part27Q n78 Main PA Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	630001		
Frequency (MHz)					23.56			
100	QPSK	1	1		23.34		25.0	0.0
100	QPSK	1	137		23.25			
100	QPSK	1	271		22.53			
100	QPSK	135	0		23.48		24.0	1.0
100	QPSK	135	69		22.34		25.0	0.0
100	QPSK	135	138		22.37		24.0	1.0
100	QPSK	270	0		22.31		24.0	1.0
100	16QAM	1	1		20.84		22.5	2.5
100	64QAM	1	1		18.98		20.5	4.5
100	256QAM	1	1		632000	633334	633668	Tune-up limit (dBm)
Channel				3465	3500.01	3536.02	MPR (dB)	
Frequency (MHz)					23.42	23.47		
90	QPSK	1	1	23.42	23.47	23.52	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.02	3500.01	3510		
80	QPSK	1	1	23.50	23.44	23.51	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3440	3500.01	3520.02		
60	QPSK	1	1	23.42	23.51	23.43	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.42	23.43	23.53	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3430.01	3500.01	3530.01		
40	QPSK	1	1	23.40	23.50	23.42	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.39	23.48	23.43	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.46	23.47	23.51	25.0	0.0

DSI 0 Power for FR1 Main PA

n41 Main PA Ant1 DSI0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	17.91	17.97	17.70	19.0	0.0
100	QPSK	1	137	17.78	17.88	17.67		
100	QPSK	1	271	17.70	17.86	17.66	19.0	0.0
100	QPSK	135	0	17.82	17.83	17.84		
100	QPSK	135	89	17.77	17.93	17.76	19.0	0.0
100	QPSK	135	138	17.79	17.74	17.85		
100	QPSK	270	0	17.80	17.86	17.78	19.0	0.0
100	16QAM	1	1	17.69	17.88	17.83		
100	64QAM	1	1	17.82	17.72	17.58	19.0	0.0
100	256QAM	1	1	17.85	17.50	17.39		
Channel				508200	518598	528098	19.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.35	17.52	17.19	19.0	0.0
Channel				507204	518598	529598		
Frequency (MHz)				2536.02	2592.99	2640.99	19.0	0.0
80	QPSK	1	1	17.44	17.49	17.17		
Channel				505200	518598	531598	19.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.45	17.43	17.16	19.0	0.0
Channel				504204	518598	532598		
Frequency (MHz)				2521.02	2592.99	2684.99	19.0	0.0
50	QPSK	1	1	17.48	17.51	17.21		
Channel				503202	518598	534000	19.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.42	17.51	17.24	19.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	19.0	0.0
30	QPSK	1	1	17.41	17.42	17.24		
Channel				501204	518598	535998	19.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.44	17.50	17.19	19.0	0.0

Part27O n78 Main PA Ant1 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750	18.5	0.0
Frequency (MHz)					16.81			
100	QPSK	1	1		16.81		18.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.81		18.5	0.0
100	QPSK	135	0		16.81			
100	QPSK	135	89		16.74		18.5	0.0
100	QPSK	135	138		16.59			
100	QPSK	270	0		16.70		18.5	0.0
100	16QAM	1	1		16.59			
100	64QAM	1	1		16.75		18.5	0.0
100	256QAM	1	1		16.58			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
80	QPSK	1	1	16.56	16.77	16.75	18.5	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.75	16.73	16.75		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
80	QPSK	1	1	16.55	16.78	16.58	18.5	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.75	16.70	16.57		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.59	16.69	16.51	18.5	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.59	16.78	16.51		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.75	16.73	16.54	18.5	0.0
Channel								

Part27Q n78 Main PA Ant1 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3800.01			
100	QPSK	1	1		16.93			
100	QPSK	1	137		16.65		18.5	0.0
100	QPSK	1	271		16.99			
100	QPSK	135	0		16.74		18.5	0.0
100	QPSK	135	69		16.87		18.5	0.0
100	QPSK	135	138		16.83		18.5	0.0
100	QPSK	270	0		16.74			
100	16QAM	1	1		16.68		18.5	0.0
100	64QAM	1	1		16.84		18.5	0.0
100	256QAM	1	1		16.64		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3800.01	3505.02		
90	QPSK	1	1	16.66	16.90	16.87	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1	16.61	16.84	16.85	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3800.01	3520.02		
60	QPSK	1	1	16.66	16.80	16.88	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.58	16.85	16.79	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3800.01	3530.01		
40	QPSK	1	1	16.59	16.89	16.81	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.67	16.86	16.82	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3800.01	3540		
20	QPSK	1	1	16.64	16.80	16.87	18.5	0.0

n41 Main PA Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508202	518598	530000	25.7	0.0
Frequency (MHz)				2546.01	2592.99	2640.		
100	QPSK	1	1	25.27	25.38	25.36		
100	QPSK	1	137	25.24	25.37	25.28	25.7	0.0
100	QPSK	1	271	25.18	25.26	25.18		
100	QPSK	135	0	24.46	24.43	24.41		
100	QPSK	135	69	25.20	25.35	25.22	24.7	1.0
100	QPSK	135	138	24.37	24.39	24.21		
100	QPSK	270	0	24.42	24.48	24.44		
100	16QAM	1	1	24.21	24.31	24.14	23.2	2.5
100	64QAM	1	1	22.64	22.80	22.72		
100	256QAM	1	1	20.80	21.00	20.83		
Channel				508200	518598	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541.	2592.99	2644.98		
90	QPSK	1	1	25.17	25.28	25.29	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.24	25.30	25.25	25.7	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526.	2592.99	2659.99		
60	QPSK	1	1	25.18	25.25	25.28	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.21	25.25	25.33	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670.		
40	QPSK	1	1	25.23	25.25	25.22	25.7	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.14	25.25	25.32	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.22	25.31	25.29	25.7	0.0

n41 Main PA Ant3 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	19.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	17.70	18.07	17.86		
100	QPSK	1	137	17.71	17.78	17.76		
100	QPSK	1	271	17.70	17.81	17.79	19.5	0.0
100	QPSK	135	0	17.70	17.93	17.70		
100	QPSK	135	69	17.91	17.94	17.75		
100	QPSK	135	138	17.69	17.76	17.59		
100	QPSK	270	0	17.69	17.87	17.71	19.5	0.0
100	16QAM	1	1	17.59	17.98	17.86		
100	64QAM	1	1	17.74	17.82	17.80		
100	256QAM	1	1	17.75	17.95	17.99		
Channel				508200	518598	532998	19.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.52	17.90	17.68		
Channel				507204	518598	529998	19.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.64	17.96	17.76		
Channel				505200	518598	531998	19.5	0.0
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	17.64	17.93	17.82		
Channel				504204	518598	532998	19.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.52	17.93	17.81		
Channel				503202	518598	534000	19.5	0.0
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	17.56	17.89	17.80		
Channel				502200	518598	534996	19.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.59	17.94	17.66		
Channel				501204	518598	535998	19.5	0.0
Frequency (MHz)				2506.02	2592.99	2678.99		
20	QPSK	1	1	17.60	18.01	17.77		

n41 Main PA Ant4 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	19.37	19.49	19.24	19.7	0.0
100	QPSK	1	137	19.36	19.28	19.24		
100	QPSK	1	271	19.19	19.32	19.11	19.7	0.0
100	QPSK	135	0	19.23	19.28	19.26		
100	QPSK	135	69	19.25	19.46	19.15	19.7	0.0
100	QPSK	135	138	19.18	19.35	19.22		
100	QPSK	270	0	19.28	19.38	19.30	19.7	0.0
100	16QAM	1	1	19.33	19.23	19.17		
100	64QAM	1	1	19.11	19.35	19.23	19.7	0.0
100	256QAM	1	1	19.36	19.34	19.29		
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.37	19.39	19.20	19.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.34	19.29	19.19		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508	2592.99	2659.98		
60	QPSK	1	1	19.32	19.34	19.15	19.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.38	19.38	19.12		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2610		
40	QPSK	1	1	19.40	19.32	19.19	19.7	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.30	19.32	19.12		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2678.99		
20	QPSK	1	1	19.37	19.38	19.17	19.7	0.0

Part270 n77 Main PA Ant5 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3830		
100	QPSK	1	1	17.72	17.78	17.72		
100	QPSK	1	137	17.62	17.57	17.62	18.5	0.0
100	QPSK	1	271	17.51	17.57	17.43		
100	QPSK	135	0	17.63	17.45	17.60		
100	QPSK	135	69	17.58	17.69	17.55	18.5	0.0
100	QPSK	135	138	17.49	17.47	17.33	18.5	0.0
100	QPSK	270	0	17.63	17.65	17.61	18.5	0.0
100	16QAM	1	1	17.63	17.69	17.67		
100	64QAM	1	1	17.58	17.46	17.58		
100	256QAM	1	1	17.40	17.46	17.33	18.5	0.0
Channel				656850	666000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	17.54	17.59	17.54	18.5	0.0
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3840.02		
80	QPSK	1	1	17.60	17.67	17.61	18.5	0.0
Channel				656850	666000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	17.50	17.54	17.53	0.0	0.0
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	17.62	17.69	17.63	18.5	0.0
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	17.66	17.72	17.68	18.5	0.0
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3865.01		
30	QPSK	1	1	17.62	17.74	17.66	18.5	0.0
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	17.66	17.64	17.66	18.5	0.0

Part27Q n77 Main PA Ant5 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.76				
100	QPSK	1	137	17.47			18.5	0.0
100	QPSK	1	271	17.47				
100	QPSK	135	0	17.44				
100	QPSK	135	69	17.59			18.5	0.0
100	QPSK	135	138	17.33			18.5	0.0
100	QPSK	270	0	17.55			18.5	0.0
100	16QAM	1	1	17.61				
100	64QAM	1	1	17.36				
100	256QAM	1	1	17.34			18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.49	17.45	17.43	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.54	17.54	17.55	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.48	17.58	17.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.41	17.47	17.47	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.49	17.62	17.49	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.49	17.64	17.56	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.52	17.64	17.48	18.5	0.0

Part270 n78 Main PA Ant5 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		17.34		18.0	0.0
100	QPSK	1	137		17.05			
100	QPSK	1	271		17.04		18.0	0.0
100	QPSK	135	0		17.06			
100	QPSK	135	69		17.23		18.0	0.0
100	QPSK	135	138		16.99			
100	QPSK	270	0		17.18		18.0	0.0
100	16QAM	1	1		17.17			
100	64QAM	1	1		16.99		18.0	0.0
100	256QAM	1	1		16.96			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.20	17.09	17.17	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.26	17.13	17.10	18.0	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.21	17.10	17.14	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.19	17.19	17.12	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.22	17.11	17.16	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.19	17.17	17.12	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.24	17.11	17.07	18.0	0.0

Part27Q n78 Main PA Ant5 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)					3500.01			
100	QPSK	1	1		17.26		18.0	0.0
100	QPSK	1	137		16.83			
100	QPSK	1	271		16.89		18.0	0.0
100	QPSK	135	0		16.91			
100	QPSK	135	69		17.18		18.0	0.0
100	QPSK	135	138		16.91			
100	QPSK	270	0		17.05		18.0	0.0
100	16QAM	1	1		17.05			
100	64QAM	1	1		16.85		18.0	0.0
100	256QAM	1	1		16.80			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.06	16.98	17.10	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.15	16.96	17.04	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.10	16.93	17.07	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.14	17.03	17.09	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.05	17.01	17.10	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.04	16.97	17.03	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.13	17.02	17.07	18.0	0.0



Part270 n77 Main PA Ant6 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	17.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	15.92	16.02	15.92		
100	QPSK	1	137	15.84	15.77	15.92	17.5	0.0
100	QPSK	1	271	15.78	15.79	15.68		
100	QPSK	135	0	15.84	15.68	15.85		
100	QPSK	135	69	15.80	15.95	15.79	17.5	0.0
100	QPSK	135	138	15.73	15.74	15.55	17.5	0.0
100	QPSK	270	0	15.86	15.89	15.81		
100	16QAM	1	1	15.84	15.90	15.92		
100	64QAM	1	1	15.82	15.73	15.79	17.5	0.0
100	256QAM	1	1	15.66	15.74	15.63	17.5	0.0
Channel				616850	626000	627334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.76	15.81	15.73	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.83	15.93	15.79	17.5	0.0
Channel				646850	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.80	15.96	15.78	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.75	15.87	15.73	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.85	15.98	15.84	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.80	15.88	15.89	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.78	15.97	15.84	17.5	0.0

Part27Q n77 Main PA Ant6 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	16.28				
100	QPSK	1	137	16.03			17.5	0.0
100	QPSK	1	271	15.97				
100	QPSK	135	0	15.83				
100	QPSK	135	69	16.21			17.5	0.0
100	QPSK	135	138	15.88			17.5	0.0
100	QPSK	270	0	16.06				
100	16QAM	1	1	16.10				
100	64QAM	1	1	15.89			17.5	0.0
100	256QAM	1	1	15.94			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.77	15.85	15.75	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.92	16.08	15.87	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.99	16.01	15.86	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.70	15.90	15.72	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.87	15.97	15.84	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.87	15.97	15.84	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.92	16.08	15.88	17.5	0.0

Part270 n78 Main PA Ant6 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)								
100	QPSK	1	1		16.73		18.0	0.0
100	QPSK	1	137		16.42			
100	QPSK	1	271		16.42			
100	QPSK	135	0		16.25		18.0	0.0
100	QPSK	135	69		16.55		18.0	0.0
100	QPSK	135	138		16.30		18.0	0.0
100	QPSK	270	0		16.41			
100	16QAM	1	1		16.46		18.0	0.0
100	64QAM	1	1		16.31		18.0	0.0
100	256QAM	1	1		16.37		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.47	16.57	16.34	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.43	16.59	16.36	18.0	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.43	16.63	16.34	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.39	16.56	16.36	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.38	16.61	16.36	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.47	16.60	16.42	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.38	16.54	16.37	18.0	0.0

Part27Q n78 Main PA Ant6 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3500.01				
100	QPSK	1	1		16.93		18.0	0.0
100	QPSK	1	137		16.66			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.49		18.0	0.0
100	QPSK	135	69		16.68		18.0	0.0
100	QPSK	135	138		16.55		18.0	0.0
100	QPSK	270	0		16.62			
100	16QAM	1	1		16.61		18.0	0.0
100	64QAM	1	1		16.52		18.0	0.0
100	256QAM	1	1		16.57		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.65	16.82	16.52	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.68	16.74	16.51	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.68	16.81	16.49	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.69	16.76	16.50	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.63	16.80	16.59	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.68	16.63	16.57	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.70	16.72	16.49	18.0	0.0



Part270 n77 Main PA Ant7 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	25.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	23.21	23.28	23.19	25.0	0.0
100	QPSK	1	137	23.09	23.18	23.15		
100	QPSK	1	271	23.05	23.09	23.04	24.0	1.0
100	QPSK	135	0	22.04	22.32	22.11		
100	QPSK	135	69	23.06	23.14	23.10	25.0	0.0
100	QPSK	135	138	22.08	22.16	22.07	24.0	1.0
100	QPSK	270	0	22.12	22.19	22.08		
100	16QAM	1	1	22.09	22.11	22.16	24.0	1.0
100	64QAM	1	1	20.55	20.61	20.67	22.5	2.5
100	256QAM	1	1	18.68	18.82	18.72	20.5	4.5
Channel				658955	659000	662233	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.25	23.14	23.11	25.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.12	23.18	23.08	25.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	23.16	23.16	23.05	25.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.23	23.16	23.18	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.16	23.24	23.13	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.13	23.22	23.07	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.15	23.14	23.11	25.0	0.0

Part27Q n77 Main PA Ant7 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			25.0	0.0
Frequency (MHz)				3600.01				
100	QPSK	1	1		23.60		25.0	0.0
100	QPSK	1	137		23.45			
100	QPSK	1	271		23.38		24.0	1.0
100	QPSK	135	0		22.63			
100	QPSK	135	69		23.56		25.0	0.0
100	QPSK	135	138		22.42		24.0	1.0
100	QPSK	270	0		22.50			
100	16QAM	1	1		22.45		24.0	1.0
100	64QAM	1	1		20.93		22.5	2.5
100	256QAM	1	1		18.10		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3600.01	3605.02		
90	QPSK	1	1	23.41	23.43	23.32	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.34	23.43	23.27	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3600.01	3620.02		
60	QPSK	1	1	23.42	23.42	23.32	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.38	23.37	23.30	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.42	23.42	23.32	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.36	23.42	23.28	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.38	23.43	23.32	25.0	0.0

DSI 0 Power for FR1 Main PA

Part270 n77 Main PA Ant1 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	17.12	17.28	17.20	19.0	0.0
100	QPSK	1	137	17.05	17.07	17.10		
100	QPSK	1	271	17.02	17.01	17.04		
100	QPSK	135	0	17.08	17.04	17.01		
100	QPSK	135	69	17.05	17.20	17.03	19.0	0.0
100	QPSK	135	138	17.02	17.05	17.02	19.0	0.0
100	QPSK	270	0	17.03	17.12	17.09	19.0	0.0
100	16QAM	1	1	17.08	17.10	17.15		
100	64QAM	1	1	17.04	17.04	17.05		
100	256QAM	1	1	17.07	17.03	17.03		
Channel				648668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	17.01	17.16	17.10	19.0	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	17.05	17.10	17.14	19.0	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	17.07	17.22	17.13	19.0	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	17.08	17.10	17.09	19.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.09	17.16	17.08	19.0	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	17.01	17.17	17.09	19.0	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	17.09	17.19	17.08	19.0	0.0

Part27Q n77 Main PA Ant1 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			19.0	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		17.34		19.0	0.0
100	QPSK	1	137		17.17			
100	QPSK	1	271		17.07		19.0	0.0
100	QPSK	135	0		17.13			
100	QPSK	135	69		17.27		19.0	0.0
100	QPSK	135	138		17.17			
100	QPSK	270	0		17.16		19.0	0.0
100	16QAM	1	1		17.16			
100	64QAM	1	1		17.11		19.0	0.0
100	256QAM	1	1		17.10			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.12	17.26	17.20	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.03	17.18	17.09	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.08	17.16	17.10	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.01	17.23	17.16	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.08	17.22	17.09	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.04	17.20	17.17	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.01	17.14	17.11	19.0	0.0

Part270 n78 Main PA Ant7 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3760		
100	QPSK	1	1		19.51		21.0	0.0
100	QPSK	1	137		19.31			
100	QPSK	1	271		19.13			
100	QPSK	135	0		19.13		21.0	0.0
100	QPSK	135	69		19.37		21.0	0.0
100	QPSK	135	138		19.20		21.0	0.0
100	QPSK	270	0		19.26			
100	16QAM	1	1		19.37		21.0	0.0
100	64QAM	1	1		19.10		21.0	0.0
100	256QAM	1	1		18.90		20.5	0.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dB)	(dB)
90	QPSK	1	1	19.13	19.16	19.07	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.20	19.18	19.13	21.0	0.0
Channel				649668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.11	19.14	19.15	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.16	19.13	19.60	21.0	0.0
Channel				649000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.11	19.19	19.11	21.0	0.0
Channel				647868	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.13	19.17	19.14	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.13	19.16	19.17	21.0	0.0

Part27Q n78 Main PA Ant7 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	QPSK	1	1		19.57		21.0	0.0
100	QPSK	1	137		19.05			
100	QPSK	1	271		19.06			
100	QPSK	135	0		19.08		21.0	0.0
100	QPSK	135	69		19.45		21.0	0.0
100	QPSK	135	138		19.01		21.0	0.0
100	QPSK	270	0		19.37			
100	16QAM	1	1		19.15		21.0	0.0
100	64QAM	1	1		19.11		21.0	0.0
100	256QAM	1	1		18.98		20.5	0.5
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.17	19.32	19.03	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.25	19.35	19.06	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.14	19.31	19.04	21.0	0.0
Channel				631667	633333	634999	Tune-up limit	MPR
Frequency (MHz)				3475.0119	3500.0019	3524.9919	(dBm)	(dB)
50	QPSK	1	1	19.18	19.36	19.01	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3480.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.15	19.32	19.05	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.22	19.27	19.01	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.16	19.26	19.03	21.0	0.0



DSI 1 Power for FR1 Main PA

n41 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528996	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	19.91	19.96	19.76	21.0	0.0	
100	QPSK	1	137	19.81	19.88	19.72			
100	QPSK	1	271	19.74	19.81	19.59	21.0	0.0	
100	QPSK	135	0	19.81	19.87	19.63			
100	QPSK	135	69	19.79	19.94	19.74	21.0	0.0	
100	QPSK	135	138	19.86	19.76	19.87			
100	QPSK	270	0	19.78	19.90	19.72	21.0	0.0	
100	16QAM	1	1	19.71	19.88	19.90			
100	64QAM	1	1	19.82	19.74	19.52	21.0	0.0	
100	256QAM	1	1	19.43	19.56	19.49			
Channel				508200	518598	529996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.88	(dBm)	(dB)	
90	QPSK	1	1	19.88	19.86	19.52	21.0	0.0	
Channel				507204	518598	529996			
Frequency (MHz)				2536.02	2592.99	2649.89	(dBm)	(dB)	
80	QPSK	1	1	19.69	19.91	19.65	21.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	19.76	19.90	19.67	21.0	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	19.71	19.89	19.67	21.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	19.72	19.90	19.54	21.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	19.83	19.84	19.54	21.0	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	19.82	19.87	19.69	21.0	0.0	
Channel									

Part270 n77 Main PA Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	QPSK	1	1	18.17	18.33	18.25	20.0	0.0	
100	QPSK	1	137	18.10	18.12	18.15			
100	QPSK	1	271	18.03	18.02	18.05	20.0	0.0	
100	QPSK	135	0	18.11	18.05	18.06			
100	QPSK	135	69	18.10	18.25	18.08	20.0	0.0	
100	QPSK	135	138	18.03	18.10	18.03			
100	QPSK	270	0	18.08	18.17	18.14	20.0	0.0	
100	16QAM	1	1	18.13	18.15	18.20			
100	64QAM	1	1	18.09	18.05	18.10	20.0	0.0	
100	256QAM	1	1	18.12	18.08	18.08			
Channel				648688	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	20.0	0.0	
90	QPSK	1	1	18.06	18.21	18.15			
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	20.0	0.0	
80	QPSK	1	1	18.10	18.23	18.19			
Channel				648688	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	20.0	0.0	
60	QPSK	1	1	18.12	18.27	18.18			
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	20.0	0.0	
50	QPSK	1	1	18.11	18.23	18.14			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	20.0	0.0	
40	QPSK	1	1	18.14	18.21	18.13			
Channel				647688	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	20.0	0.0	
30	QPSK	1	1	18.04	18.22	18.14			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	20.0	0.0	
20	QPSK	1	1	18.14	18.24	18.13			

Part27Q n77 Main PA Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							20.0	0.0
Frequency (MHz)								
100	QPSK	1	1		18.39			
100	QPSK	1	137		18.23			
100	QPSK	1	271		18.12		20.0	0.0
100	QPSK	135	0		18.18		20.0	0.0
100	QPSK	135	69		18.32		20.0	0.0
100	QPSK	135	138		18.22		20.0	0.0
100	QPSK	270	0		18.21		20.0	0.0
100	16QAM	1	1		18.21		20.0	0.0
100	64QAM	1	1		18.16		20.0	0.0
100	256QAM	1	1		18.15		20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
90	QPSK	1	1	18.17	18.31	18.25	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
80	QPSK	1	1	18.08	18.23	18.13	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
60	QPSK	1	1	18.13	18.21	18.15	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
50	QPSK	1	1	18.06	18.28	18.21	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
40	QPSK	1	1	18.13	18.27	18.14	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
30	QPSK	1	1	18.09	18.25	18.22	20.0	0.0
Channel							20.0	0.0
Frequency (MHz)								
20	QPSK	1	1	18.03	18.19	18.16	20.0	0.0

Part27O n78 Main PA Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750 3750 3750				
100	QPSK	1	1		17.81		19.5	0.0
100	QPSK	1	137		17.61			
100	QPSK	1	271		17.61		19.5	0.0
100	QPSK	135	0		17.61		19.5	0.0
100	QPSK	135	69		17.74			
100	QPSK	135	138		17.59		19.5	0.0
100	QPSK	270	0		17.70			
100	16QAM	1	1		17.59		19.5	0.0
100	64QAM	1	1		17.75		19.5	0.0
100	256QAM	1	1		17.58		19.5	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.65	17.69	17.71	19.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.51	17.69	17.67	19.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	17.65	17.72	17.61	19.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.65	17.67	17.68	19.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	17.65	17.72	17.62	19.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	17.51	17.64	17.71	19.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.65	17.73	17.68	19.5	0.0

Part27Q n78 Main PA Ant1 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			19.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.63			19.5	0.0
100	QPSK	1	137	17.65				
100	QPSK	1	271	17.59				
100	QPSK	135	0	17.74			19.5	0.0
100	QPSK	135	69	17.87			19.5	0.0
100	QPSK	135	138	17.63			19.5	0.0
100	QPSK	270	0	17.74			19.5	0.0
100	16QAM	1	1	17.68			19.5	0.0
100	64QAM	1	1	17.84			19.5	0.0
100	256QAM	1	1	17.64			19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.56	17.68	17.66	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.66	17.71	17.67	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.68	17.67	17.71	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.66	17.65	17.70	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.56	17.72	17.69	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.58	17.63	17.65	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.66	17.69	17.62	19.5	0.0

n41 Main PA Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508202	518598	535200	22.2	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.68	21.77	21.74		
100	QPSK	1	137	21.58	21.65	21.62	22.2	0.0
100	QPSK	1	271	21.62	21.65	21.60		
100	QPSK	135	0	21.54	21.72	21.61		
100	QPSK	135	69	21.60	21.67	21.61	22.2	0.0
100	QPSK	135	138	21.59	21.64	21.61		
100	QPSK	270	0	21.55	21.69	21.59		
100	16QAM	1	1	21.57	21.66	21.66	22.2	0.0
100	64QAM	1	1	21.58	21.67	21.65	22.2	0.0
100	256QAM	1	1	20.69	20.79	20.70	21.2	1.0
Channel				508200	518598	535200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.51	21.62	21.69		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.61	21.57	21.59		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	21.54	21.65	21.61		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.56	21.68	21.61		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.60	21.72	21.63		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.51	21.68	21.60		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.99		
20	QPSK	1	1	21.53	21.61	21.62		

n41 Main PA Ant3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	23.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	21.38	21.68	21.41		
100	QPSK	1	137	21.34	21.40	21.29	23.0	0.0
100	QPSK	1	271	21.38	21.42	21.37		
100	QPSK	135	0	21.19	21.45	21.37		
100	QPSK	135	69	21.43	21.47	21.44	23.0	0.0
100	QPSK	135	138	21.41	21.44	21.24		
100	QPSK	270	0	21.33	21.50	21.23		
100	16QAM	1	1	21.22	21.67	21.50	23.0	0.0
100	64QAM	1	1	20.50	20.58	20.65	22.0	1.0
100	256QAM	1	1	18.79	18.86	18.80	20.0	3.0
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541.	2592.99	2644.98		
90	QPSK	1	1	21.14	21.54	21.20		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.19	21.42	21.37		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.27	21.61	21.24		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.12	21.65	21.26		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670.		
40	QPSK	1	1	21.10	21.62	21.19		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.30	21.44	21.38		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.18	21.43	21.16		

n41 Main PA Ant4 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	23.2	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	22.69	22.76	22.71		
100	QPSK	1	137	22.60	22.63	22.56	23.2	0.0
100	QPSK	1	271	22.56	22.62	22.63		
100	QPSK	135	0	22.63	22.64	22.70		
100	QPSK	135	69	22.62	22.74	22.56	23.2	0.0
100	QPSK	135	138	22.67	22.69	22.68		
100	QPSK	270	0	22.67	22.70	22.63		
100	16QAM	1	1	22.61	22.65	22.65	23.2	0.0
100	64QAM	1	1	22.65	22.63	22.68	23.2	0.0
100	256QAM	1	1	20.70	20.73	20.81	21.2	2.0
Channel				508200	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.45	22.63	22.55		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.47	22.66	22.61		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.46	22.57	22.55		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.61	22.73	22.45		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.42	22.60	22.64		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.49	22.60	22.57		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.57	22.63	22.53		

Part270 n77 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3830		
100	QPSK	1	1	17.72	17.78	17.72		
100	QPSK	1	137	17.62	17.57	17.62		
100	QPSK	1	271	17.51	17.57	17.43	18.5	0.0
100	QPSK	135	0	17.63	17.45	17.60		
100	QPSK	135	69	17.58	17.69	17.55		
100	QPSK	135	138	17.49	17.47	17.33		
100	QPSK	270	0	17.63	17.55	17.61	18.5	0.0
100	16QAM	1	1	17.63	17.69	17.67		
100	64QAM	1	1	17.58	17.46	17.58		
100	256QAM	1	1	17.40	17.46	17.33		
Channel				656850	666000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3835.01	(dBm)	(dB)
90	QPSK	1	1	17.47	17.47	17.50	18.5	0.0
Channel				648334	666000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3840.02	(dBm)	(dB)
80	QPSK	1	1	17.60	17.67	17.61	18.5	0.0
Channel				656850	666000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3850.01	(dBm)	(dB)
60	QPSK	1	1	17.62	17.69	17.63	18.5	0.0
Channel				648334	666000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3855.02	(dBm)	(dB)
50	QPSK	1	1	17.47	17.44	17.49	18.5	0.0
Channel				648000	666000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3860	(dBm)	(dB)
40	QPSK	1	1	17.66	17.72	17.68	18.5	0.0
Channel				647668	666000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3865.01	(dBm)	(dB)
30	QPSK	1	1	17.62	17.74	17.66	18.5	0.0
Channel				647334	666000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3870.02	(dBm)	(dB)
20	QPSK	1	1	17.66	17.64	17.66	18.5	0.0

Part27Q n77 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel						633334	18.5	0.0
Frequency (MHz)						3500.01		
100	QPSK	1	1			17.76		
100	QPSK	1	137			17.47		
100	QPSK	1	271			17.47	18.5	0.0
100	QPSK	135	0			17.44		
100	QPSK	135	69			17.59		
100	QPSK	135	138			17.33		
100	QPSK	270	0			17.55	18.5	0.0
100	16QAM	1	1			17.61		
100	64QAM	1	1			17.36		
100	256QAM	1	1			17.34		
Channel				633000	633334	632668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	17.49	17.48	17.50	18.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	17.54	17.54	17.55	18.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3530.02	(dBm)	(dB)
60	QPSK	1	1	17.48	17.58	17.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.42	17.42	17.45	18.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	17.49	17.62	17.49	18.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	17.49	17.64	17.56	18.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	17.52	17.64	17.48	18.5	0.0

Part270 n78 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		18.84		19.5	0.0
100	QPSK	1	137		18.55			
100	QPSK	1	271		18.54			
100	QPSK	135	0		18.56		19.5	0.0
100	QPSK	135	69		18.73		19.5	0.0
100	QPSK	135	138		18.49		19.5	0.0
100	QPSK	270	0		18.68			
100	16QAM	1	1		18.67		19.5	0.0
100	64QAM	1	1		18.49		19.5	0.0
100	256QAM	1	1		18.46		19.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.61	18.49	18.67	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.59	18.56	18.66	19.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.61	18.54	18.63	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.64	18.48	18.59	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.60	18.57	18.65	19.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.63	18.51	18.59	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.64	18.52	18.65	19.5	0.0

Part27Q n78 Main PA Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	QPSK	1	1		18.76		19.5	0.0
100	QPSK	1	137		18.43			
100	QPSK	1	271		18.39			
100	QPSK	135	0		18.41		19.5	0.0
100	QPSK	135	69		18.68		19.5	0.0
100	QPSK	135	138		18.41		19.5	0.0
100	QPSK	270	0		18.55			
100	16QAM	1	1		18.55		19.5	0.0
100	64QAM	1	1		18.35		19.5	0.0
100	256QAM	1	1		18.30		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.46	18.46	18.60	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.51	18.41	18.51	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.46	18.48	18.57	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.55	18.48	18.53	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.53	18.49	18.57	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.54	18.42	18.50	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.45	18.47	18.59	19.5	0.0

Part270 n77 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	18.94	19.08	18.84	20.5	0.0
100	QPSK	1	137	18.73	18.83	18.83		
100	QPSK	1	271	18.66	18.72	18.64	20.5	0.0
100	QPSK	135	0	18.92	18.63	18.90		
100	QPSK	135	69	18.77	19.07	18.70	20.5	0.0
100	QPSK	135	138	18.78	18.64	18.61		
100	QPSK	270	0	18.85	18.98	18.90	20.5	0.0
100	16QAM	1	1	18.73	18.87	19.00		
100	64QAM	1	1	18.90	18.73	18.80	20.5	0.0
100	256QAM	1	1	18.68	18.77	18.64		
Channel				616850	620000	622334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.90	18.84	18.91	20.5	0.0
Channel				649334	650000	652668		
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.72	18.83	18.74		
Channel				616850	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.84	19.00	18.61	20.5	0.0
Channel				648334	650000	653668		
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.82	18.98	18.90		
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.83	18.83	18.89	20.5	0.0
Channel				647668	650000	654334		
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.87	19.01	18.75		
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.84	18.82	18.83	20.5	0.0

Part27Q n77 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)
Channel				633334			20.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		19.18		20.5	0.0
100	QPSK	1	137		18.87			
100	QPSK	1	271		18.88		20.5	0.0
100	QPSK	135	0		18.63			
100	QPSK	135	69		19.14		20.5	0.0
100	QPSK	135	138		18.69			
100	QPSK	270	0		18.88		20.5	0.0
100	16QAM	1	1		19.06			
100	64QAM	1	1		18.70		20.5	0.0
100	256QAM	1	1		18.89			
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.83	18.86	18.81	20.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dbm)	MPR (dB)
80	QPSK	1	1	18.84	19.05	18.95		
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.81	18.81	18.80	20.5	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dbm)	MPR (dB)
50	QPSK	1	1	18.83	18.99	18.91		
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.72	18.99	18.84	20.5	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dbm)	MPR (dB)
30	QPSK	1	1	18.85	18.79	18.82		
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.81	18.93	18.89	20.5	0.0

Part270 n78 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.0	0.0
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		18.80			
100	QPSK	1	137		18.40			
100	QPSK	1	271		18.39		20.0	0.0
100	QPSK	135	0		18.32			
100	QPSK	135	69		18.62			
100	QPSK	135	138		18.25			
100	QPSK	270	0		18.43		20.0	0.0
100	16QAM	1	1		18.42			
100	64QAM	1	1		18.36			
100	256QAM	1	1		18.37			
Channel				649868	650000	650384	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.44	18.46	18.31	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.39	18.26	18.17	20.0	0.0
Channel				648986	650000	651354	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.20	18.32	18.24	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.33	18.25	18.06	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.18	18.42	18.05	20.0	0.0
Channel				647868	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.22	18.31	18.07	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.20	18.32	18.25	20.0	0.0

Part27Q n78 Main PA Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		20.0	0.0
Frequency (MHz)					3500.01			
100	QPSK	1	1		18.96			
100	QPSK	1	137		18.59			
100	QPSK	1	271		18.78		20.0	0.0
100	QPSK	135	0		18.55			
100	QPSK	135	69		18.92			
100	QPSK	135	138		18.55			
100	QPSK	270	0		18.73		20.0	0.0
100	16QAM	1	1		18.61			
100	64QAM	1	1		18.44			
100	256QAM	1	1		18.57			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.56	18.90	18.61	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.38	18.86	18.56	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.50	18.78	18.51	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.31	18.67	18.43	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.46	18.82	18.56	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.32	18.79	18.44	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.33	18.75	18.46	20.0	0.0

Part270 n77 Main PA Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	16.85	16.88	16.79	18.5	0.0
100	QPSK	1	137	16.70	16.81	16.72		
100	QPSK	1	271	16.75	16.68	16.80	18.5	0.0
100	QPSK	135	0	16.68	16.63	16.64		
100	QPSK	135	69	16.66	16.77	16.71	18.5	0.0
100	QPSK	135	138	16.70	16.67	16.73		
100	QPSK	270	0	16.64	16.74	16.68	18.5	0.0
100	16QAM	1	1	16.57	16.70	16.58		
100	64QAM	1	1	16.58	16.67	16.59	18.5	0.0
100	256QAM	1	1	16.55	16.67	16.56		
Channel				650668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.50	16.57	16.46	18.5	0.0
Channel				648334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.62	16.63	16.54		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	16.55	16.71	16.66	18.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.55	16.71	16.66		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.58	16.69	16.66	18.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.55	16.74	16.67		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.56	16.63	16.67	18.5	0.0

Part27Q n77 Main PA Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.08			18.5	0.0
100	QPSK	1	137	16.84				
100	QPSK	1	271	16.74			18.5	0.0
100	QPSK	135	0	16.74				
100	QPSK	135	69	16.94			18.5	0.0
100	QPSK	135	138	16.67				
100	QPSK	270	0	16.89			18.5	0.0
100	16QAM	1	1	16.91				
100	64QAM	1	1	16.70			18.5	0.0
100	256QAM	1	1	16.61				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.52	16.52	16.48	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.83	16.74	16.77	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.84	16.78	16.71	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.59	16.60	16.45	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.81	16.82	16.68	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.77	16.79	16.70	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.77	16.75	16.78	18.5	0.0

Part270 n78 Main PA Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3760	3760		
100	QPSK	1	1		16.96		18.5	0.0
100	QPSK	1	137		16.71			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.57		18.5	0.0
100	QPSK	135	69		16.76		18.5	0.0
100	QPSK	135	138		16.70		18.5	0.0
100	QPSK	270	0		16.86			
100	16QAM	1	1		16.73		18.5	0.0
100	64QAM	1	1		16.54		18.5	0.0
100	256QAM	1	1		16.54		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3760	3765.01		
90	QPSK	1	1	16.63	16.57	16.61	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	16.60	16.57	16.53	18.5	0.0
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3760	3770.01		
60	QPSK	1	1	16.75	16.65	16.59	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	16.74	16.69	16.63	18.5	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	16.54	16.58	16.55	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	16.63	16.68	16.61	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	16.67	16.76	16.60	18.5	0.0

Part27Q n78 Main PA Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	QPSK	1	1		17.07		18.5	0.0
100	QPSK	1	137		16.61			
100	QPSK	1	271		16.65			
100	QPSK	135	0		16.60		18.5	0.0
100	QPSK	135	69		17.03		18.5	0.0
100	QPSK	135	138		16.55		18.5	0.0
100	QPSK	270	0		16.84			
100	16QAM	1	1		16.74		18.5	0.0
100	64QAM	1	1		16.51		18.5	0.0
100	256QAM	1	1		16.73		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.68	16.69	16.69	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.71	16.66	16.51	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.76	16.67	16.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.74	16.68	16.68	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.86	16.96	16.55	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.73	16.83	16.68	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.76	16.82	16.53	18.5	0.0



DSI 3 Power for FR1 Main PA

n41 Main PA Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2546.01	2592.99	2640			
Frequency (MHz)				19.81	19.96	19.76			
100	QPSK	1	1	19.81	19.96	19.76	21.0	0.0	
100	QPSK	1	137	19.81	19.88	19.72			
100	QPSK	1	271	19.74	19.81	19.59			
100	QPSK	135	0	19.81	19.87	19.63	21.0	0.0	
100	QPSK	135	69	19.79	19.94	19.74			
100	QPSK	135	138	19.86	19.76	19.87			
100	QPSK	270	0	19.78	19.90	19.72	21.0	0.0	
100	16QAM	1	1	19.71	19.88	19.90			
100	64QAM	1	1	19.82	19.74	19.52			
100	256QAM	1	1	19.43	19.56	19.49	20.5	0.5	
Channel				508200	518598	528996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	19.88	19.86	19.52			
Channel				507204	518598	529998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.89			
80	QPSK	1	1	19.69	19.91	19.65			
Channel				506200	518598	531996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	19.76	19.90	19.67			
Channel				504204	518598	532998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.71	19.89	19.67			
Channel				503202	518598	534000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.72	19.90	19.54			
Channel				502200	518598	534998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.83	19.84	19.54			
Channel				501204	518598	535998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.82	19.87	19.69			

Part270 n77 Main PA Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	QPSK	1	1	23.21	23.31	23.26	25.0	0.0	
100	QPSK	1	137	23.12	23.22	23.20			
100	QPSK	1	271	23.09	23.20	23.07			
100	QPSK	135	0	22.11	22.37	22.14	24.0	1.0	
100	QPSK	135	69	23.11	23.27	23.14			
100	QPSK	135	138	22.17	22.26	22.19			
100	QPSK	270	0	22.25	22.30	22.22	24.0	1.0	
100	16QAM	1	1	22.12	22.21	22.21			
100	64QAM	1	1	20.59	20.64	20.58			
100	256QAM	1	1	18.76	18.92	18.71	20.5	4.5	
Channel				648668	656000	662334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	25.0	0.0	
90	QPSK	1	1	23.15	23.20	23.20			
Channel				649334	656000	662668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	25.0	0.0	
80	QPSK	1	1	23.10	23.19	23.15			
Channel				648668	656000	663334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	25.0	0.0	
60	QPSK	1	1	23.10	23.20	23.15			
Channel				648334	656000	663668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	25.0	0.0	
50	QPSK	1	1	23.13	23.21	23.18			
Channel				648000	656000	664000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	25.0	0.0	
40	QPSK	1	1	23.14	23.24	23.16			
Channel				647668	656000	664334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	25.0	0.0	
30	QPSK	1	1	23.14	23.24	23.14			
Channel				647334	656000	664668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	25.0	0.0	
20	QPSK	1	1	23.16	23.26	23.15			

Part27Q n77 Main PA Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)				23.33				
100	QPSK	1	1		23.33			
100	QPSK	1	137		23.26		25.0	0.0
100	QPSK	1	271		23.12		24.0	1.0
100	QPSK	135	0		22.32			
100	QPSK	135	69		23.31		25.0	0.0
100	QPSK	135	138		22.26		24.0	1.0
100	QPSK	270	0		22.39			
100	16QAM	1	1		22.19		24.0	1.0
100	64QAM	1	1		20.65		22.5	2.5
100	256QAM	1	1		18.87		20.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.20	23.25	23.13	25.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.13	23.19	23.03	25.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.14	23.16	23.08	25.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.08	23.16	22.99	25.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.10	23.17	23.05	25.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.10	23.20	23.10	25.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.16	23.11	23.08	25.0	0.0

Part27O n78 Main PA Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	QPSK	1	1		23.35			
100	QPSK	1	137		23.19		25.0	0.0
100	QPSK	1	271		23.06		24.0	1.0
100	QPSK	135	0		22.18		25.0	0.0
100	QPSK	135	69		23.31		24.0	1.0
100	QPSK	135	138		22.19		24.0	1.0
100	QPSK	270	0		22.30		24.0	1.0
100	16QAM	1	1		22.16		22.5	2.5
100	64QAM	1	1		20.61		20.5	4.5
100	256QAM	1	1		18.77			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	23.07	23.18	23.11	25.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	23.05	23.22	23.15	25.0	0.0
Channel				648968	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	23.09	23.22	23.15	25.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	23.03	23.11	23.02	25.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.05	23.07	23.01	25.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	23.04	23.11	23.03	25.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	23.02	23.10	23.06	25.0	0.0

Part27Q n78 Main PA Ant1 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3800.01			
100	QPSK	1	1		23.41			
100	QPSK	1	137		23.34		25.0	0.0
100	QPSK	1	271		23.23			
100	QPSK	135	0		22.46		24.0	1.0
100	QPSK	135	69		23.34		25.0	0.0
100	QPSK	135	138		22.36		24.0	1.0
100	QPSK	270	0		22.41			
100	16QAM	1	1		22.25		24.0	1.0
100	64QAM	1	1		20.80		22.5	2.5
100	256QAM	1	1		19.01		20.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3800.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.21	23.35	23.28	25.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.15	23.22	23.25	25.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3800.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.19	23.32	23.15	25.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.19	23.32	23.16	25.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3800.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.18	23.30	23.20	25.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.18	23.34	23.18	25.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3800.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.13	23.33	23.21	25.0	0.0

n41 Main PA Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	535200			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	25.27	25.38	25.36	25.7	0.0	
100	QPSK	1	137	25.24	25.37	25.28			
100	QPSK	1	271	25.18	25.26	25.18			
100	QPSK	135	0	24.46	24.43	24.41			
100	QPSK	135	69	25.20	25.35	25.22	25.7	0.0	
100	QPSK	135	138	24.37	24.35	24.21	24.7	1.0	
100	QPSK	270	0	24.42	24.45	24.44			
100	16QAM	1	1	24.21	24.31	24.14	24.7	1.0	
100	64QAM	1	1	22.64	22.80	22.72	23.2	2.5	
100	256QAM	1	1	20.80	21.00	20.83	21.2	4.5	
Channel				508200	518598	535200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.17	25.28	25.29	25.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.24	25.30	25.25	25.7	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	25.18	25.25	25.28	25.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.21	25.25	25.33	25.7	0.0	
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.23	25.25	25.22	25.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.14	25.25	25.32	25.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	25.22	25.31	25.29	25.7	0.0	

n41 Main PA Ant3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	23.14	23.19	23.08		
100	QPSK	1	137	23.09	23.14	23.04	24.5	0.0
100	QPSK	1	271	23.00	23.10	23.05		
100	QPSK	135	0	22.23	22.28	22.13		
100	QPSK	135	69	22.99	23.14	23.09	24.5	0.0
100	QPSK	135	138	21.95	22.05	21.92		
100	QPSK	270	0	22.10	22.21	21.98		
100	16QAM	1	1	22.03	22.17	22.05	23.5	1.0
100	64QAM	1	1	20.50	20.58	20.55	22.0	2.5
100	256QAM	1	1	18.79	18.86	18.80	20.0	4.5
Channel				508200	518598	529998	24.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.04	23.14	23.02		
Channel				507204	518598	529998	24.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.09	23.06	23.02		
Channel				505200	518598	531998	24.5	0.0
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	23.10	23.17	23.02		
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.03	23.08	22.97		
Channel				503202	518598	534000	24.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.00	23.05	22.98		
Channel				502200	518598	534998	24.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.11	23.16	23.01		
Channel				501204	518598	535998	24.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.10	23.11	23.02		

n41 Main PA Ant4 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	23.2	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	22.69	22.76	22.71		
100	QPSK	1	137	22.60	22.63	22.56	23.2	0.0
100	QPSK	1	271	22.56	22.62	22.63		
100	QPSK	135	0	22.63	22.64	22.70		
100	QPSK	135	69	22.62	22.74	22.56	23.2	0.0
100	QPSK	135	138	22.67	22.69	22.68		
100	QPSK	270	0	22.67	22.70	22.63		
100	16QAM	1	1	22.61	22.65	22.65	23.2	0.0
100	64QAM	1	1	22.65	22.63	22.68	23.2	0.0
100	256QAM	1	1	20.70	20.73	20.81	21.2	2.0
Channel				508200	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.45	22.63	22.55		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.47	22.66	22.61		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.46	22.57	22.55		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.61	22.73	22.45		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.42	22.60	22.64		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.49	22.60	22.57		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.57	22.63	22.53		

Part270 n77 Main PA Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3830		
100	QPSK	1	1	17.72	17.78	17.72		
100	QPSK	1	137	17.62	17.57	17.62	18.5	0.0
100	QPSK	1	271	17.51	17.57	17.43		
100	QPSK	135	0	17.63	17.45	17.60		
100	QPSK	135	69	17.58	17.69	17.55	18.5	0.0
100	QPSK	135	138	17.49	17.47	17.33	18.5	0.0
100	QPSK	270	0	17.63	17.55	17.61		
100	16QAM	1	1	17.63	17.69	17.67	18.5	0.0
100	64QAM	1	1	17.58	17.46	17.58	18.5	0.0
100	256QAM	1	1	17.40	17.46	17.33	18.5	0.0
Channel				656850	666000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	17.47	17.47	17.50	18.5	0.0
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3840.02		
80	QPSK	1	1	17.60	17.67	17.61	18.5	0.0
Channel				656850	666000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	17.62	17.69	17.63	18.5	0.0
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	17.47	17.44	17.49	18.5	0.0
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	17.66	17.72	17.68	18.5	0.0
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3865.01		
30	QPSK	1	1	17.62	17.74	17.66	18.5	0.0
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	17.66	17.64	17.66	18.5	0.0

Part27Q n77 Main PA Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.76				
100	QPSK	1	137	17.47			18.5	0.0
100	QPSK	1	271	17.47				
100	QPSK	135	0	17.44				
100	QPSK	135	69	17.59			18.5	0.0
100	QPSK	135	138	17.33			18.5	0.0
100	QPSK	270	0	17.55				
100	16QAM	1	1	17.61			18.5	0.0
100	64QAM	1	1	17.36			18.5	0.0
100	256QAM	1	1	17.34			18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.49	17.48	17.50	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.54	17.54	17.55	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.48	17.58	17.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.42	17.42	17.45	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.49	17.62	17.49	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.49	17.64	17.56	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.52	17.64	17.48	18.5	0.0

Part270 n78 Main PA Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		18.84		19.5	0.0
100	QPSK	1	137		18.55			
100	QPSK	1	271		18.54			
100	QPSK	135	0		18.56		19.5	0.0
100	QPSK	135	69		18.73		19.5	0.0
100	QPSK	135	138		18.49		19.5	0.0
100	QPSK	270	0		18.68			
100	16QAM	1	1		18.67		19.5	0.0
100	64QAM	1	1		18.49		19.5	0.0
100	256QAM	1	1		18.46		19.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.61	18.49	18.67	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.59	18.56	18.66	19.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.61	18.54	18.63	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.64	18.48	18.59	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.60	18.57	18.65	19.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.63	18.51	18.59	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.64	18.52	18.65	19.5	0.0

Part27Q n78 Main PA Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	QPSK	1	1		18.76		19.5	0.0
100	QPSK	1	137		18.43			
100	QPSK	1	271		18.39			
100	QPSK	135	0		18.41		19.5	0.0
100	QPSK	135	69		18.68		19.5	0.0
100	QPSK	135	138		18.41		19.5	0.0
100	QPSK	270	0		18.55			
100	16QAM	1	1		18.55		19.5	0.0
100	64QAM	1	1		18.35		19.5	0.0
100	256QAM	1	1		18.30		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.46	18.46	18.60	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.51	18.41	18.51	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.46	18.48	18.57	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.55	18.48	18.53	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.53	18.49	18.57	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.54	18.42	18.50	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.45	18.47	18.59	19.5	0.0

Part270 n77 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	20.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	18.94	19.08	18.84		
100	QPSK	1	137	18.73	18.83	18.83	20.5	0.0
100	QPSK	1	271	18.66	18.72	18.64		
100	QPSK	135	0	18.92	18.63	18.90		
100	QPSK	135	69	18.77	19.07	18.70	20.5	0.0
100	QPSK	135	138	18.78	18.64	18.61		
100	QPSK	270	0	18.85	18.98	18.90		
100	16QAM	1	1	18.73	18.87	19.00	20.5	0.0
100	64QAM	1	1	18.90	18.73	18.80	20.5	0.0
100	256QAM	1	1	18.68	18.77	18.64	20.5	0.0
Channel				616850	626000	622334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	18.90	18.84	18.91	20.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	18.72	18.83	18.74	20.5	0.0
Channel				646450	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	18.84	19.00	18.61	20.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	18.82	18.98	18.90	20.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.83	18.83	18.69	20.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	18.87	19.01	18.75	20.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	18.84	18.82	18.83	20.5	0.0

Part27Q n77 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			20.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	19.18				
100	QPSK	1	137	18.87			20.5	0.0
100	QPSK	1	271	18.88				
100	QPSK	135	0	18.63				
100	QPSK	135	69	19.14			20.5	0.0
100	QPSK	135	138	18.69				
100	QPSK	270	0	18.88				
100	16QAM	1	1	19.06			20.5	0.0
100	64QAM	1	1	18.70			20.5	0.0
100	256QAM	1	1	18.89			20.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.83	18.96	18.81	20.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	18.94	19.05	18.95	20.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.81	18.81	18.80	20.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.83	18.99	18.91	20.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.72	18.99	18.84	20.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.85	18.79	18.82	20.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.81	18.93	18.89	20.5	0.0

Part270 n78 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.0	0.0
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		18.80			
100	QPSK	1	137		18.40			
100	QPSK	1	271		18.39		20.0	0.0
100	QPSK	135	0		18.32			
100	QPSK	135	69		18.62			
100	QPSK	135	138		18.25			
100	QPSK	270	0		18.43		20.0	0.0
100	16QAM	1	1		18.42			
100	64QAM	1	1		18.36			
100	256QAM	1	1		18.37			
Channel				649868	650000	650384	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.44	18.46	18.31		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.39	18.26	18.17		
Channel				648986	650000	651354	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.20	18.32	18.24		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.33	18.25	18.06		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.18	18.42	18.05		
Channel				647868	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.22	18.31	18.07		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.20	18.32	18.25		

Part27Q n78 Main PA Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	20.0	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		18.96			
100	QPSK	1	137		18.59		20.0	0.0
100	QPSK	1	271		18.78			
100	QPSK	135	0		18.55			
100	QPSK	135	69		18.92			
100	QPSK	135	138		18.55		20.0	0.0
100	QPSK	270	0		18.73			
100	16QAM	1	1		18.61			
100	64QAM	1	1		18.44			
100	256QAM	1	1		18.57		Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.56	18.90	18.61	Tune-up limit (dBm)	MPR (dB)
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.38	18.86	18.56		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.50	18.78	18.51		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.31	18.67	18.43		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.46	18.82	18.56		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.32	18.79	18.44		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.33	18.75	18.46		

Part270 n77 Main PA Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	22.23	22.34	22.22		
100	QPSK	1	137	22.04	22.19	22.13	24.0	0.0
100	QPSK	1	271	22.02	22.04	22.05		
100	QPSK	135	0	22.04	22.32	22.11		
100	QPSK	135	69	22.16	22.33	22.11	24.0	0.0
100	QPSK	135	138	22.08	22.16	22.07	24.0	0.0
100	QPSK	270	0	22.12	22.19	22.08	24.0	0.0
100	16QAM	1	1	22.09	22.11	22.16	24.0	0.0
100	64QAM	1	1	20.55	20.61	20.67	22.5	1.5
100	256QAM	1	1	18.88	18.82	18.72	20.5	3.5
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.06	22.14	22.11	24.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.19	22.27	22.19	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	22.12	22.29	22.10	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.07	22.24	22.16	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.14	22.26	22.10	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.09	22.23	22.17	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.21	22.23	22.10	24.0	0.0

Part27Q n77 Main PA Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			24.0	0.0
Frequency (MHz)				3600.01				
100	QPSK	1	1		22.67			
100	QPSK	1	137		22.51		24.0	0.0
100	QPSK	1	271		22.40			
100	QPSK	135	0		22.64			
100	QPSK	135	69		22.85		24.0	0.0
100	QPSK	135	138		22.57		24.0	0.0
100	QPSK	270	0		22.56		24.0	0.0
100	16QAM	1	1		22.42		24.0	0.0
100	64QAM	1	1		20.93		22.5	1.5
100	256QAM	1	1		18.10		20.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3600.01	3605.02		
90	QPSK	1	1	22.07	22.26	22.13	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3600.01	3510		
80	QPSK	1	1	22.37	22.45	22.38	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3600.01	3600.02		
60	QPSK	1	1	22.39	22.46	22.32	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3600.01	3525		
50	QPSK	1	1	22.06	22.15	22.07	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3600.01	3600.01		
40	QPSK	1	1	22.36	22.42	22.32	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3600.01	3605.02		
30	QPSK	1	1	22.30	22.43	22.36	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3600.01	3540		
20	QPSK	1	1	22.37	22.45	22.33	24.0	0.0

Part27O n78 Main PA Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3760	3760		
100	QPSK	1	1		21.91		23.5	0.0
100	QPSK	1	137		21.66			
100	QPSK	1	271		21.82		23.5	0.0
100	QPSK	135	0		21.57			
100	QPSK	135	69		21.86		23.5	0.0
100	QPSK	135	138		21.59			
100	QPSK	270	0		21.85		23.5	0.0
100	16QAM	1	1		21.77			
100	64QAM	1	1		20.67		22.5	1.0
100	256QAM	1	1		18.90		20.5	3.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3760	3765.01		
90	QPSK	1	1	21.85	21.76	21.61	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	21.55	21.66	21.59	23.5	0.0
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.02	3760	3770.01		
60	QPSK	1	1	21.58	21.62	21.52	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	21.54	21.68	21.52	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	21.58	21.71	21.56	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	21.59	21.57	21.51	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	21.59	21.63	21.54	23.5	0.0

Part27Q n78 Main PA Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	QPSK	1	1		22.11		23.5	0.0
100	QPSK	1	137		21.59			
100	QPSK	1	271		21.73		23.5	0.0
100	QPSK	135	0		21.53			
100	QPSK	135	69		22.10		23.5	0.0
100	QPSK	135	138		21.59			
100	QPSK	270	0		21.94		23.5	0.0
100	16QAM	1	1		21.85			
100	64QAM	1	1		20.84		22.5	1.0
100	256QAM	1	1		18.96		20.5	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.68	22.00	21.61	23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.54	21.63	21.56	23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.60	21.77	21.54	23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.60	21.87	21.56	23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.53	21.89	21.59	23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.56	21.96	21.58	23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.54	21.85	21.58	23.5	0.0

DSI 4 Power for FR1 Main PA

n41 Main PA Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up limit (dBm)	MPS (dB)
Channel				569202	518598	528000		
Frequency (MHz)				2648.02	2648.00	2648.00		
150	QPSK	1	1	17.91	17.91	17.91		
150	QPSK	1	137	17.78	17.88	17.87	19.0	0.0
150	QPSK	1	271	17.70	17.89	17.86		
150	QPSK	135	0	17.82	17.83	17.84	19.0	0.0
150	QPSK	135	45	17.77	17.83	17.76	19.0	0.0
150	QPSK	135	135	17.78	17.74	17.82		
150	QPSK	270	0	17.80	17.85	17.78		
150	64QAM	1	1	17.80	17.88	17.85	19.0	0.0
150	64QAM	1	1	17.82	17.73	17.88	19.0	0.0
150	256QAM	1	1	17.85	17.80	17.89	19.0	0.0
Channel				521103	518598	528000		
Frequency (MHz)				2241	2222.02	2241.02		
90	QPSK	1	1	17.85	17.82	17.89	19.0	0.0
Channel				522004	518598	528000	Tune-up limit	MPS
Frequency (MHz)				2236.02	2222.00	2242.00	(dBm)	(dB)
90	QPSK	1	1	17.44	17.42	17.50	19.0	0.0
Channel				525000	518598	521998	Tune-up limit	MPS
Frequency (MHz)				2250	2222.02	2242.00	(dBm)	(dB)
90	QPSK	1	1	17.45	17.43	17.46	19.0	0.0
Channel				524004	518598	523598	Tune-up limit	MPS
Frequency (MHz)				2240.02	2222.00	2242.00	(dBm)	(dB)
50	QPSK	1	1	17.46	17.51	17.21	19.0	0.0
Channel				523002	518598	524000	Tune-up limit	MPS
Frequency (MHz)				2230.02	2222.00	2230	(dBm)	(dB)
40	QPSK	1	1	17.42	17.51	17.24	19.0	0.0
Channel				522000	518598	524000	Tune-up limit	MPS
Frequency (MHz)				2211	2222.00	2214.00	(dBm)	(dB)
30	QPSK	1	1	17.41	17.42	17.24	19.0	0.0
Channel				264001	264000	264000	Tune-up limit	MPS
Frequency (MHz)				2638.02	2632.00	2639.00	(dBm)	(dB)
20	QPSK	1	1	17.44	17.50	17.19	19.0	0.0

Part270 n78 Main PA Ant1 DS14								
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				846000	846000	846000		
Frequency (MHz)				3750	3750	3750		
100	DPSK	1	1		18.81			
100	DPSK	1	127		18.81		18.5	0.0
100	DPSK	1	271		18.51			
100	DPSK	135	0		18.81		18.5	0.0
100	DPSK	135	69		18.75		18.5	0.0
100	DPSK	135	135		18.59		18.5	0.0
100	DPSK	279	0		18.75			
100	16QAM	1	1		18.59		18.5	0.0
100	16QAM	1	1		18.75		18.5	0.0
100	16QAM	1	1		18.59		18.5	0.0
Channel				846688	850000	850334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3752.02	3750	3750.98		
90	DPSK	1	1	18.59	18.75	18.75	18.5	0.0
Channel				848334	850000	850668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3748.01	3750	3750.02		
80	DPSK	1	1	18.75	18.75	18.75	18.5	0.0
Channel				848688	850000	851334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3750	3750.01		
80	DPSK	1	1	18.59	18.75	18.59	18.5	0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3752.01	3750	3750.02		
50	DPSK	1	1	18.75	18.75	18.57	18.5	0.0
Channel				849688	850000	850334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
40	DPSK	1	1	18.75	18.80	18.53	18.5	0.0
Channel				847668	848000	848334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3745.01		
30	DPSK	1	1	18.75	18.75	18.57	18.5	0.0
Channel				847334	848000	848668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3752.01	3750	3747.02		
20	DPSK	1	1	18.75	18.75	18.54	18.5	0.0

Part27Q n78 Main PA Ant1 DS14								
SR (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (min)	MPH (dB)
Channel								
Frequency (MHz)								
100	DPSK	1	1		15.93			
100	DPSK	1	137		15.85		15.5	0.0
100	DPSK	1	271		15.90			
100	DPSK	135	0		15.74		15.5	0.0
100	DPSK	135	65		15.81		15.5	0.0
100	DPSK	135	135		15.83		15.5	0.0
100	DPSK	270	0		15.73			
100	16QAM	1	1		15.68		15.0	0.0
100	16QAM	1	1		15.84		15.5	0.0
100	16QAM	1	1		15.84		15.5	0.0
Channel								
Frequency (MHz)								
90	DPSK	1	1	15.88	15.90	15.87	15.5	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	15.81	15.84	15.85	15.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	15.88	15.80	15.88	15.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	15.58	15.85	15.78	15.0	0.0
Channel								
Frequency (MHz)								
40	DPSK	1	1	15.59	15.80	15.81	15.0	0.0
Channel								
Frequency (MHz)								
30	DPSK	1	1	15.17	15.80	15.80	15.0	0.0
Channel								
Frequency (MHz)								
20	DPSK	1	1	15.14	15.80	15.82	15.0	0.0

n41 Main PA Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508202	518598	535200	22.2	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.68	21.77	21.74		
100	QPSK	1	137	21.58	21.65	21.62	22.2	0.0
100	QPSK	1	271	21.62	21.65	21.60		
100	QPSK	135	0	21.54	21.72	21.61		
100	QPSK	135	69	21.60	21.67	21.61	22.2	0.0
100	QPSK	135	138	21.59	21.64	21.61		
100	QPSK	270	0	21.55	21.69	21.59		
100	16QAM	1	1	21.57	21.66	21.66	22.2	0.0
100	64QAM	1	1	21.58	21.67	21.65	22.2	0.0
100	256QAM	1	1	20.69	20.79	20.70	21.2	1.0
Channel				508200	518598	535200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.51	21.62	21.69		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.61	21.57	21.59		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	21.54	21.65	21.61		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.56	21.68	21.61		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.60	21.72	21.63		
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.51	21.68	21.60		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.99		
20	QPSK	1	1	21.53	21.61	21.62		

n41 Main PA Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	19.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	17.70	18.07	17.86		
100	QPSK	1	137	17.71	17.78	17.76		
100	QPSK	1	271	17.70	17.81	17.79	19.5	0.0
100	QPSK	135	0	17.70	17.93	17.70		
100	QPSK	135	69	17.91	17.94	17.75		
100	QPSK	135	138	17.89	17.76	17.59		
100	QPSK	270	0	17.69	17.87	17.71	19.5	0.0
100	16QAM	1	1	17.59	17.98	17.86		
100	64QAM	1	1	17.74	17.82	17.80		
100	256QAM	1	1	17.75	17.95	17.99		
Channel				508200	518598	529998	19.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.52	17.90	17.68		
Channel				507204	518598	529998	19.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.64	17.96	17.76		
Channel				505200	518598	531998	19.5	0.0
Frequency (MHz)				2508	2592.99	2658.99		
60	QPSK	1	1	17.64	17.93	17.82		
Channel				504204	518598	532998	19.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.52	17.93	17.81		
Channel				503202	518598	534000	19.5	0.0
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	17.56	17.89	17.80		
Channel				502200	518598	534998	19.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.59	17.94	17.66		
Channel				501204	518598	535998	19.5	0.0
Frequency (MHz)				2508.02	2592.99	2678.99		
20	QPSK	1	1	17.60	18.01	17.77		

n41 Main PA Ant4 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
100	QPSK	1	1	19.37	19.49	19.24	19.7	0.0
100	QPSK	1	137	19.36	19.28	19.24		
100	QPSK	1	271	19.19	19.32	19.11	19.7	0.0
100	QPSK	135	0	19.23	19.28	19.26		
100	QPSK	135	69	19.25	19.46	19.15	19.7	0.0
100	QPSK	135	138	19.18	19.35	19.22		
100	QPSK	270	0	19.28	19.38	19.30	19.7	0.0
100	16QAM	1	1	19.33	19.23	19.17		
100	64QAM	1	1	19.11	19.35	19.23	19.7	0.0
100	256QAM	1	1	19.36	19.34	19.29		
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.37	19.39	19.20	19.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.34	19.29	19.19		
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508	2592.99	2659.99		
60	QPSK	1	1	19.32	19.34	19.15	19.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.38	19.38	19.12		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2610		
40	QPSK	1	1	19.40	19.32	19.19	19.7	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.30	19.32	19.12		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2678.99		
20	QPSK	1	1	19.37	19.38	19.17	19.7	0.0

Part270 n77 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	666000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3830		
100	QPSK	1	1	17.72	17.78	17.72		
100	QPSK	1	137	17.62	17.57	17.62	18.5	0.0
100	QPSK	1	271	17.51	17.57	17.43		
100	QPSK	135	0	17.63	17.45	17.60		
100	QPSK	135	69	17.58	17.69	17.55	18.5	0.0
100	QPSK	135	138	17.49	17.47	17.33	18.5	0.0
100	QPSK	270	0	17.63	17.55	17.61		
100	16QAM	1	1	17.63	17.69	17.67	18.5	0.0
100	64QAM	1	1	17.58	17.46	17.58	18.5	0.0
100	256QAM	1	1	17.40	17.46	17.33	18.5	0.0
Channel				656850	666000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	17.54	17.59	17.54	18.5	0.0
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3840.02		
80	QPSK	1	1	17.60	17.67	17.61	18.5	0.0
Channel				656850	666000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	17.62	17.69	17.63	18.5	0.0
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	17.62	17.69	17.63	18.5	0.0
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	17.66	17.72	17.68	18.5	0.0
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3865.01		
30	QPSK	1	1	17.62	17.74	17.66	18.5	0.0
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	17.66	17.64	17.66	18.5	0.0

Part27Q n77 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.76				
100	QPSK	1	137	17.47			18.5	0.0
100	QPSK	1	271	17.47				
100	QPSK	135	0	17.44				
100	QPSK	135	69	17.59			18.5	0.0
100	QPSK	135	138	17.33			18.5	0.0
100	QPSK	270	0	17.55				
100	16QAM	1	1	17.61			18.5	0.0
100	64QAM	1	1	17.36			18.5	0.0
100	256QAM	1	1	17.34			18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.49	17.45	17.43	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.54	17.54	17.55	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.48	17.58	17.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.41	17.47	17.47	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.49	17.62	17.49	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.49	17.64	17.56	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.52	17.64	17.48	18.5	0.0



Part270 n78 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3750	3750		
100	QPSK	1	1		17.34		18.0	0.0
100	QPSK	1	137		17.05			
100	QPSK	1	271		17.04		18.0	0.0
100	QPSK	135	0		17.06			
100	QPSK	135	69		17.23		18.0	0.0
100	QPSK	135	138		16.99			
100	QPSK	270	0		17.18		18.0	0.0
100	16QAM	1	1		17.17			
100	64QAM	1	1		16.99		18.0	0.0
100	256QAM	1	1		16.96			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.20	17.09	17.17	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.26	17.13	17.10	18.0	0.0
Channel				649000	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.21	17.10	17.14	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.19	17.19	17.12	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.22	17.11	17.16	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.19	17.17	17.12	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.24	17.11	17.07	18.0	0.0

Part27Q n78 Main PA Ant5 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)					3500.01			
100	QPSK	1	1		17.26		18.0	0.0
100	QPSK	1	137		16.83			
100	QPSK	1	271		16.89		18.0	0.0
100	QPSK	135	0		16.91			
100	QPSK	135	69		17.18		18.0	0.0
100	QPSK	135	138		16.91			
100	QPSK	270	0		17.05		18.0	0.0
100	16QAM	1	1		17.05			
100	64QAM	1	1		16.85		18.0	0.0
100	256QAM	1	1		16.80			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.06	16.98	17.10	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.15	16.96	17.04	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.10	16.93	17.07	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.14	17.03	17.09	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.05	17.01	17.10	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.04	16.97	17.03	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.13	17.02	17.07	18.0	0.0

Part270 n77 Main PA Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	17.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	15.92	16.02	15.92		
100	QPSK	1	137	15.84	15.77	15.92	17.5	0.0
100	QPSK	1	271	15.78	15.79	15.68		
100	QPSK	135	0	15.84	15.68	15.85		
100	QPSK	135	69	15.80	15.95	15.79	17.5	0.0
100	QPSK	135	138	15.73	15.74	15.55	17.5	0.0
100	QPSK	270	0	15.86	15.89	15.81		
100	16QAM	1	1	15.84	15.90	15.92		
100	64QAM	1	1	15.82	15.73	15.79	17.5	0.0
100	256QAM	1	1	15.66	15.74	15.63	17.5	0.0
Channel				616850	626000	627334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.76	15.81	15.73	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.83	15.93	15.79	17.5	0.0
Channel				646850	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.80	15.96	15.78	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.75	15.87	15.73	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.85	15.98	15.84	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.80	15.88	15.89	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.78	15.97	15.84	17.5	0.0

Part27Q n77 Main PA Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		16.28			
100	QPSK	1	137		16.03		17.5	0.0
100	QPSK	1	271		15.97			
100	QPSK	135	0		15.83			
100	QPSK	135	69		16.21		17.5	0.0
100	QPSK	135	138		15.88		17.5	0.0
100	QPSK	270	0		16.06			
100	16QAM	1	1		16.10			
100	64QAM	1	1		15.89		17.5	0.0
100	256QAM	1	1		15.94		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.77	15.85	15.75	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.92	16.08	15.87	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.99	16.01	15.86	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.70	15.90	15.72	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.87	15.97	15.84	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.87	15.97	15.84	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.92	16.08	15.88	17.5	0.0



Part270 n78 Main PA Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	QPSK	1	1		16.73			
100	QPSK	1	137		16.42		18.0	0.0
100	QPSK	1	271		16.42			
100	QPSK	135	0		16.25			
100	QPSK	135	69		16.55		18.0	0.0
100	QPSK	135	138		16.30		18.0	0.0
100	QPSK	270	0		16.41			
100	16QAM	1	1		16.46			
100	64QAM	1	1		16.31		18.0	0.0
100	256QAM	1	1		16.37		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.47	16.57	16.34	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.43	16.59	16.36	18.0	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.43	16.63	16.34	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.39	16.56	16.36	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.38	16.61	16.36	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.47	16.60	16.42	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.38	16.54	16.37	18.0	0.0

Part27Q n78 Main PA Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633300	633334	633668	18.0	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1		16.93			
100	QPSK	1	137		16.66		18.0	0.0
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.49			
100	QPSK	135	69		16.68		18.0	0.0
100	QPSK	135	138		16.55		18.0	0.0
100	QPSK	270	0		16.62			
100	16QAM	1	1		16.61			
100	64QAM	1	1		16.52		18.0	0.0
100	256QAM	1	1		16.57		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.65	16.82	16.52	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.68	16.74	16.51	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.68	16.81	16.49	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.69	16.76	16.50	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.63	16.80	16.59	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.68	16.63	16.57	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.70	16.72	16.49	18.0	0.0

Part270 n77 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	18.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	16.85	16.88	16.79		
100	QPSK	1	137	16.70	16.81	16.72		
100	QPSK	1	271	16.75	16.68	16.80	18.5	0.0
100	QPSK	135	0	16.68	16.63	16.64		
100	QPSK	135	69	16.86	16.77	16.71		
100	QPSK	135	138	16.70	16.67	16.73		
100	QPSK	270	0	16.64	16.74	16.68	18.5	0.0
100	16QAM	1	1	16.57	16.70	16.58		
100	64QAM	1	1	16.58	16.67	16.59		
100	256QAM	1	1	16.55	16.67	16.56		
Channel				658500	660000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.50	16.57	16.46	18.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.62	16.63	16.54	18.5	0.0
Channel				646950	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.54	16.54	16.48	0.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.55	16.71	16.66	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.58	16.69	16.66	18.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.55	16.74	16.67	18.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.56	16.63	16.67	18.5	0.0

Part27Q n77 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.5	0.0
Frequency (MHz)				3500.01				
100	QPSK	1	1	17.08				
100	QPSK	1	137	16.84				
100	QPSK	1	271	16.74			18.5	0.0
100	QPSK	135	0	16.74				
100	QPSK	135	69	16.94				
100	QPSK	135	138	16.67				
100	QPSK	270	0	16.89			18.5	0.0
100	16QAM	1	1	16.91				
100	64QAM	1	1	16.70				
100	256QAM	1	1	16.61				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.52	16.52	16.48	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.83	16.74	16.77	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.84	16.78	16.71	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.59	16.60	16.45	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.81	16.82	16.68	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.77	16.79	16.70	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.77	16.75	16.78	18.5	0.0

Part270 n78 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	QPSK	1	1		16.96		18.5	0.0
100	QPSK	1	137		16.71			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.57		18.5	0.0
100	QPSK	135	69		16.78		18.5	0.0
100	QPSK	135	138		16.70		18.5	0.0
100	QPSK	270	0		16.66			
100	16QAM	1	1		16.73		18.5	0.0
100	64QAM	1	1		16.54		18.5	0.0
100	256QAM	1	1		16.54		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.63	16.57	16.61	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.60	16.57	16.53	18.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.75	16.65	16.59	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.74	16.69	16.63	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.54	16.58	16.55	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.63	16.68	16.61	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.67	16.76	16.60	18.5	0.0

Part27Q n78 Main PA Ant7 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	QPSK	1	1		17.07		18.5	0.0
100	QPSK	1	137		16.61			
100	QPSK	1	271		16.65			
100	QPSK	135	0		16.60		18.5	0.0
100	QPSK	135	69		17.03		18.5	0.0
100	QPSK	135	138		16.55		18.5	0.0
100	QPSK	270	0		16.84			
100	16QAM	1	1		16.74		18.5	0.0
100	64QAM	1	1		16.51		18.5	0.0
100	256QAM	1	1		16.73		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.68	16.89	16.89	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.71	16.96	16.51	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.76	16.87	16.54	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.74	16.98	16.68	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.86	16.96	16.55	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.73	16.63	16.68	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.76	16.82	16.53	18.5	0.0

DSI 4 Power for FR1 Main PA

Part270 n77 Main PA Ant1 DSI4									
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPE (dB)	
Channel				856000	860000	864000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	QPSK	1	1	17.12	17.20	17.28			
100	QPSK	1	137	17.05	17.07	17.10	19.0	0.0	
100	QPSK	1	271	17.02	17.01	17.04			
100	QPSK	156	0	17.08	17.04	17.01			
100	QPSK	156	80	17.05	17.05	17.05	19.0	0.0	
100	QPSK	156	138	17.02	17.05	17.02			
100	QPSK	276	0	17.03	17.03	17.00			
100	16QAM	1	1	17.08	17.10	17.12	19.0	0.0	
100	16QAM	1	1	17.04	17.04	17.05			
100	16QAM	1	1	17.07	17.05	17.03			
Channel				849680	856000	862320	19.0	MPE	
Frequency (MHz)				3742.00	3840	3937.92			
90	QPSK	1	1	17.01	17.10	17.18			
Channel				849334	856000	862666	19.0	MPE	
Frequency (MHz)				3744.00	3840	3940.00			
80	QPSK	1	1	17.05	17.18	17.14		19.0	
Channel				849680	856000	863034			
Frequency (MHz)				3739.00	3840	3940.00			
80	QPSK	1	1	17.07	17.22	17.13	19.0	0.0	
Channel				849444	856000	863000			
Frequency (MHz)				3725.00	3840	3940.00			
50	QPSK	1	1	17.08	17.18	17.09	19.0	0.0	
Channel				849100	856000	863000			
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1	17.09	17.10	17.08	19.0	0.0	
Channel				847968	856000	863000			
Frequency (MHz)				3715.00	3840	3940.00			
30	QPSK	1	1	17.01	17.10	17.00	19.0	0.0	
Channel				847334	856000	863666			
Frequency (MHz)				3710.00	3840	3940.00			
20	QPSK	1	1	17.09	17.10	17.08	19.0	0.0	

Part27Q n77 Main PA Ant1 DS14								
Blk (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. / Freq.	Power Mdn Ch. / Freq.	Power Tgt Ch. / Freq.	Time-up Int. (min)	MPR (dB)
Channel				83000	83000		10.0	0.0
Frequency (MHz)				3500.01				
150	QPSK	1	1	17.04				
150	QPSK	1	137	17.18				
150	QPSK	1	271	17.07				
150	QPSK	135	0	17.13			10.0	0.0
150	QPSK	135	66	17.27			10.0	0.0
150	QPSK	135	138	17.17			10.0	0.0
150	QPSK	270	0	17.26				
150	16QAM	1	1	17.06			10.0	0.0
150	16QAM	1	1	17.11			10.0	0.0
150	16QAM	1	1	17.10			10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				8400	8400	8400		
50	QPSK	1	1	17.12	17.20	17.20	10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				340.000	350.01	350.01		
80	QPSK	1	1	17.03	17.06	17.06	10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				8400	8300.01	8300.00		
80	QPSK	1	1	17.08	17.10	17.10	10.0	0.0
Channel				3400.00	3500.01	3500.00	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				3400.00	3500.01	3500.00		
50	QPSK	1	1	17.01	17.23	17.16	10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				3400.01	3500.01	3500.01		
40	QPSK	1	1	17.08	17.22	17.09	10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				8400	8300.01	8300.00		
30	QPSK	1	1	17.04	17.20	17.17	10.0	0.0
Channel				83000	83000	83000	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				3400.00	3500.01	3500.00		
20	QPSK	1	1	17.05	17.14	17.11	10.0	0.0

Bluetooth®v4.0 LE																
2.4GHz WLAN Ad 17				Full Power		Transceiver for IEEE 802.11n		Simultaneous OES only for Head		Simultaneous OES for Hsp/Ag		Simultaneous OES for DECT for Head		Simultaneous OES for Body		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Side Tx
2.4GHz WLAN	802.11b HTS	1	2412	17.00	10.00	17.00	17.00	14.31	15.00	13.57	10.00	9.51	10.00	13.50	10.00	95.30
		6	2437	17.30	10.00	15.46	17.00	14.05	15.10	13.00	14.50	9.00	10.00	14.77	10.00	
		11	2462	17.60	10.00	15.71	17.00	14.36	15.00	13.25	14.50	9.10	10.00	15.10	10.00	
		1	2412	17.00	10.00	17.00	17.00	14.31	15.00	13.57	10.00	9.51	10.00	13.50	10.00	
	802.11g HTS	6	2437	17.60	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	95.50
		11	2462	17.90	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
		1	2412	17.10	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
		6	2437	17.30	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
	802.11n HTS MCS0	1	2412	17.00	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	95.30
		6	2437	17.30	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
		11	2462	17.60	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
		3	2402	16.60	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	
802.11n HTS MCS3	6	2437	16.60	10.00	Not Required	17.00	Not Required	Not Required	10.00	Not Required	10.00	Not Required	10.00	Not Required	91.40	
	9	2402	15.30	10.00	16.50	16.50	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		
	1	2412	17.00	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		
	6	2437	17.30	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		
802.11n HTS MCS0	11	2462	16.60	10.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00	94.30	
	3	2402	16.00	17.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		
	6	2437	16.30	17.00	17.00	17.00	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		
	9	2402	15.60	16.50	16.50	16.50	15.00	15.00	14.50	10.00	10.00	10.00	10.00	10.00		

[illegible]

	5 GHz (5.850 to 5.9)		2.4 GHz		Unlicensed 5 GHz		Unlicensed 5 GHz only (5.850 to 5.9)		Unlicensed 5 GHz (5.850 to 5.9)		Unlicensed 5 GHz for Gaming		Unlicensed 5 GHz for Streaming		Daily Cycle %	
	Mode	Channel	Frequency (MHz)	Average power (mW)	Time-to-Lock (s)	Average power (mW)	Time-to-Lock (s)	Average power (mW)	Time-to-Lock (s)	Average power (mW)	Time-to-Lock (s)	Average power (mW)	Time-to-Lock (s)			
	802.11a-DFS	52	5260	16.68	17.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	95.93		
		54	5300	16.67	17.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00			
	802.11a-DFS-MCS0	52	5260	16.67	17.30	Not Required	Not Required	15.00	15.00	15.00	8.00	17.30	15.00	95.96		
		54	5300	16.68	17.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00			
5 GHz	802.11a-DFS-MCS0	52	5270	17.27	16.30	15.00	15.00	12.48	15.00	8.00	16.33	17.30	15.10	15.00	91.43	
		54	5310	16.66	16.30	15.00	15.00	15.00	8.00	7.30	16.60	16.30	16.60	15.00		
	802.11a-DFS-MCS0	52	5300	16.68	16.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	17.30	95.93	
		54	5320	16.62	16.30	15.00	15.00	15.00	8.00	16.30	15.00	16.30	15.00	15.00		
	802.11a-DFS-MCS0	52	5270	17.11	16.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	17.30	93.88	
		54	5310	16.93	15.30	15.00	15.00	15.00	8.00	15.00	15.00	15.00	15.00	15.00		
	802.11a-DFS-MCS0	52	5300	16.68	16.30	15.00	15.00	14.76	7.30	16.30	15.00	16.30	15.00	16.30	96.71	
		54	5320	17.34	12.30	12.30	12.30	12.30	8.00	15.00	15.00	15.00	15.00	15.00		
	802.11a-DFS-MCS0	52	5260	17.16	16.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	17.30	94.34	
		54	5300	17.20	16.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	17.30		15.00
	802.11a-DFS-MCS0	54	5270	17.38	16.30	15.00	15.00	15.00	8.00	17.30	15.00	17.30	15.00	17.30	15.00	91.38
		52	5310	16.60	15.00	15.00	15.00	15.00	8.00	15.00	15.00	15.00	15.00	15.00	15.00	
	802.11a-DFS-MCS0	58	5600	15.00	16.30	14.00	14.00	15.00	7.50	16.00	16.00	16.00	16.00	16.00	92.81	

1 GHz POLARIS 4.2			F-0 Parameters			Performance on CSD8002 for Test		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up (s)	Average power (dBm)	Time-Up (s)	Duty Cycle %	
802.11a-802.11g	100	5500	12.03	13.51		9.52	95.51	
	110	5500	12.00	13.50		9.50		
	140	5700	12.01	13.50		9.50		
	140	5700	12.03	13.50		9.50		
	144	5500	12.77	13.50	Not Reported	9.50		
802.11a-802.11n MCS20	110	5500	12.00	13.50		9.50	95.50	
	140	5700	12.74	13.50		9.50		
	144	5700	12.74	13.50		9.50		
	144	5700	12.74	13.50		9.50		
	144	5700	12.74	13.50		9.50		
802.11a-802.11n MCS25	102	5510	12.00	14.00	9.21	9.50	91.43	
	110	5502	12.71	14.00	9.36	9.50		
	134	5670	12.40	14.00	9.07	9.50		
	142	5710	12.36	14.00	9.44	9.50		
	142	5710	12.36	14.00	9.44	9.50		
802.11a-802.11n MCS30	100	5500	12.05	13.50		9.50	95.50	
	116	5586	12.48	13.50		9.50		
	140	5700	12.62	13.50		9.50		
	144	5700	12.62	13.50		9.50		
	144	5700	12.62	13.50		9.50		
802.11a-802.11n MCS35	110	5500	12.58	13.50		9.50	92.88	
	134	5670	12.33	13.50		9.50		
	142	5710	12.23	13.50		9.50		
	142	5710	12.23	13.50		9.50		
	142	5710	12.23	13.50		9.50		
802.11a-802.11n MCS40	122	5610	12.22	13.50		9.49	94.21	
	136	5690	12.32	13.50		9.50		
	136	5690	12.32	13.50		9.50		
	136	5690	12.32	13.50		9.50		
	136	5690	12.32	13.50		9.50		
802.11a-802.11n MCS45	114	5570	11.98	14.00	Not Reported	9.50	75.00	
	116	5580	11.91	14.00		9.50		
	116	5580	12.75	14.00		9.50		
	116	5580	12.75	14.00		9.50		
	116	5580	12.75	14.00		9.50		
802.11a-802.11n MCS50	140	5700	12.00	15.00		9.50	94.34	
	144	5722	12.70	15.00		9.50		
	132	5610	12.67	15.00		9.50		
	116	5500	12.00	15.00		9.50		
	134	5670	12.70	15.00		9.50		
802.11a-802.11n MCS55	140	5710	12.00	15.00		9.50	91.38	
	140	5710	12.00	15.00		9.50		
	138	5500	12.81	15.00		9.50		
	138	5500	12.81	15.00		9.50		
	138	5500	12.81	15.00		9.50		
802.11a-802.11n MCS60	138	5500	12.80	15.00		9.50	82.35	
	138	5500	12.80	15.00		9.50		
	138	5500	12.80	15.00		9.50		
802.11a-802.11n MCS65	114	5570	11.18	16.00		9.50	77.27	
	114	5570	11.18	16.00		9.50		

1.5GHz (Band 5)			Full Power		Simultaneous on 150MHz for 1MHz			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Loss (dBm)	Average power (dBm)	Time-Loss (dBm)	Duty Cycle %
1.5GHz WLAN	802.11a-RTTaps	146	5755	10.29	11.00	9.50		
		157	5755	10.31	11.00	9.50		95.01
		168	5855	10.30	11.00	9.50		
		178	5755	10.44	11.00	9.50	Not Required	
	802.11a-OFDM MCS0	146	5755	10.30	11.00	9.50		95.06
		166	5825	10.32	11.00			
		151	5755	10.44	11.00	9.50		
		168	5755	10.57	11.00	9.48		91.43
	802.11a-OFDM MCS2	157	5755	10.32	11.00	9.50		96.30
		166	5825	10.26	11.00	9.50		
		151	5755	10.57	11.00	9.50		
		146	5755	10.52	11.00	9.50		92.88
1.5GHz HSPA	802.11a-OFDM MCS0	150	5745	10.23	11.00	9.50		99.21
		148	5745	10.49	11.00	9.50	Not Required	
	802.11a-OFDM MCS2	157	5755	10.45	11.00	9.50		94.34
		160	5825	10.38	11.00	9.50		
	802.11a-OFDM MCS0	151	5755	10.46	11.00	9.50		91.38
		158	5755	10.48	11.00	9.50		
1.5GHz LTE	802.11a-OFDM MCS0	155	5775	10.36	11.00	9.50		82.00

Ant 6			Full Power		Standards for In-Band Simultaneous Use for In-Band		Simultaneous OOB for In-Band		Simultaneous OOB for Out-Band		Simultaneous Use Out-Band for In-Band		Simultaneous Use for Out-Band			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock (ms)	Average power (dBm)	Time-to-Lock (ms)	Average power (dBm)	Time-to-Lock (ms)	Average power (dBm)	Time-to-Lock (ms)	Average power (dBm)	Time-to-Lock (ms)	Average power (dBm)	Time-to-Lock (ms)	Sub. Chn. %
2.4GHz WLAN	802.11n 18Mbps	1	2412	17.70	16.90	15.83	17.00	14.31	15.50	13.32	14.50	9.38	15.50	15.15	16.50	98.47
		6	2437	18.00	16.50	15.00	17.00	14.40	15.50	13.10	14.50	9.54	15.50	15.40	16.50	
		11	2462	17.80	16.00	15.00	17.00	14.41	15.50	13.40	14.50	9.37	15.50	15.24	16.50	
		1	2412	17.50	16.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50		
	802.11g 18Mbps	6	2437	18.00	16.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		11	2462	17.80	16.00	15.00	17.00	15.50	15.50	14.40	14.50	14.50	14.50	16.50	16.50	
		1	2412	17.00	16.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		6	2437	17.40	16.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
	802.11n/FD-MCS10	1	2412	17.00	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		6	2437	17.40	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		11	2462	17.00	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		3	2442	16.80	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
	802.11n/FD-MCS10	6	2437	17.40	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		9	2462	16.70	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		1	2412	17.10	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		6	2437	17.30	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
5GHz WLAN	802.11n 40Mbps	111	5412	16.50	16.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		3	2442	16.50	17.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		3	2442	16.50	17.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		6	2437	17.10	17.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
	802.11n/40-MCS10	9	2462	16.80	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		111	5412	16.50	16.50	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	
		3	2442	16.50	17.00	15.00	17.00	15.50	15.50	14.50	14.50	14.50	14.50	16.50	16.50	

[illegible]

	Ant 1		Ant 2		Ant 3		Ant 4		Ant 5		Ant 6		Ant 7		Ant 8		Ant 9		Ant 10		Ant 11		Ant 12		Ant 13		Ant 14		Ant 15		Ant 16		Ant 17		Ant 18		Ant 19		Ant 20		Ant 21		Ant 22		Ant 23		Ant 24		Ant 25		Ant 26		Ant 27		Ant 28		Ant 29		Ant 30		Ant 31		Ant 32		Ant 33		Ant 34		Ant 35		Ant 36		Ant 37		Ant 38		Ant 39		Ant 40		Ant 41		Ant 42		Ant 43		Ant 44		Ant 45		Ant 46		Ant 47		Ant 48		Ant 49		Ant 50		Ant 51		Ant 52		Ant 53		Ant 54		Ant 55		Ant 56		Ant 57		Ant 58		Ant 59		Ant 60		Ant 61		Ant 62		Ant 63		Ant 64		Ant 65		Ant 66		Ant 67		Ant 68		Ant 69		Ant 70		Ant 71		Ant 72		Ant 73		Ant 74		Ant 75		Ant 76		Ant 77		Ant 78		Ant 79		Ant 80		Ant 81		Ant 82		Ant 83		Ant 84		Ant 85		Ant 86		Ant 87		Ant 88		Ant 89		Ant 90		Ant 91		Ant 92		Ant 93		Ant 94		Ant 95		Ant 96		Ant 97		Ant 98		Ant 99		Ant 100		Ant 101		Ant 102		Ant 103		Ant 104		Ant 105		Ant 106		Ant 107		Ant 108		Ant 109		Ant 110		Ant 111		Ant 112		Ant 113		Ant 114		Ant 115		Ant 116		Ant 117		Ant 118		Ant 119		Ant 120		Ant 121		Ant 122		Ant 123		Ant 124		Ant 125		Ant 126		Ant 127		Ant 128		Ant 129		Ant 130		Ant 131		Ant 132		Ant 133		Ant 134		Ant 135		Ant 136		Ant 137		Ant 138		Ant 139		Ant 140		Ant 141		Ant 142		Ant 143		Ant 144		Ant 145		Ant 146		Ant 147		Ant 148		Ant 149		
--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	---------	--	--

Add to		P-Channel		Depletion-Mode MOSFETs Head			
Model	Channel	Frequency (kHz)	Average power (dBm)	Turn-On (ns)	Average power (dBm)	Turn-On (ns)	Day Cycle %
BS211a-80pA	102	3500	12.30	13.50	0.50	95.0	
	116	3500	12.60	13.50	0.50		
	140	3500	12.90	13.50	0.50		
	144	3700	12.75	13.50	0.50		
	160	3500	12.40	13.50	0.50		
	176	3500	12.41	13.50	0.50		
BS211a-100VDS MOS20	116	3500	12.41	13.50	0.50	95.50	
	140	3700	12.75	13.50	0.50		
	144	3700	12.60	13.50	0.50		
	160	3500	12.40	13.50	0.50		
	176	3500	12.41	13.50	0.50		
	192	3500	12.30	14.00	0.50		
BS211a-100VDS MOS20	192	3500	12.60	13.50	0.50	91.43	
	134	3500	12.37	14.00	7.00		0.50
	140	3700	12.60	13.50	0.50		0.50
	160	3500	12.24	13.50	0.50		0.50
	176	3500	12.45	13.50	0.50		0.50
	192	3500	12.23	14.00	0.50		0.50
BS211a-100VDS MOS20	116	3500	12.45	13.50	0.50	96.50	
	140	3700	12.60	13.50	0.50		0.50
	160	3500	12.23	14.00	0.50		0.50
	192	3500	12.17	14.00	0.50		0.50
	192	3500	12.30	13.50	0.50		0.50
	192	3500	12.23	14.00	0.50		0.50
BS211a-100VDS MOS20	134	3500	12.23	14.00	0.50	92.86	
	140	3700	12.60	13.50	0.50		0.50
	160	3500	11.90	14.00	0.50		0.50
	176	3500	11.86	13.50	0.50		0.50
	192	3500	12.00	13.50	0.50		0.50
	192	3500	11.86	13.50	0.50		0.50
BS211a-100VDS MOS20	114	3500	11.90	14.00	0.50	75.00	
	116	3500	12.16	13.50	0.50		0.50
	140	3700	12.60	13.50	0.50		0.50
	160	3500	12.00	13.50	0.50		0.50
	184	3700	12.57	13.50	0.50		0.50
	192	3500	12.34	13.50	0.50		0.50
BS211a-100VDS MOS20	140	3700	12.60	13.50	0.50	92.28	
	160	3500	12.00	13.50	0.50		0.50
	184	3700	12.57	13.50	0.50		0.50
	192	3500	12.34	13.50	0.50		0.50
	192	3500	12.00	13.50	0.50		0.50
	192	3500	12.34	13.50	0.50		0.50
BS211a-100VDS MOS20	134	3500	12.26	13.50	0.50	91.28	
	140	3700	12.60	13.50	0.50		0.50
	160	3500	12.00	13.50	0.50		0.50
	184	3700	12.57	13.50	0.50		0.50
	192	3500	12.34	13.50	0.50		0.50
	192	3500	12.00	13.50	0.50		0.50
BS211a-100VDS MOS20	114	3500	11.90	14.00	0.50	77.0	
	116	3500	12.16	13.50	0.50		0.50

Ant		Fid/Fiber		Reduction on CDRS for the Year		
	Mode	Channel	Frequency (GHz)	Average power (dBm)	Turn-on Time (s)	Day Cycle %
S-Band W/L	ISD T1a-FRPs	148	1545	10.13	11.50	9.50
		157	1585	10.43	11.50	95.90
		165	1625	10.29	11.50	9.50
		149	1545	10.23	10.50	9.50
		157	1585	10.27	11.50	95.90
		165	1625	10.39	11.50	9.50
	ISD T1a-FRHS-MCIS	151	1735	10.16	9.50	91.43
		159	1755	10.27	9.50	9.50
		149	1545	10.23	9.50	9.50
		157	1585	10.27	9.50	95.90
		165	1625	10.31	9.50	9.50
		151	1735	10.29	9.50	92.80
	ISD T1a-FRHS-MCIS2	159	1755	10.16	9.50	9.50
		149	1545	10.23	9.50	9.50
		157	1585	10.27	9.50	95.90
		165	1625	10.31	9.50	9.50
		151	1735	10.29	9.50	92.80
		159	1755	10.16	9.50	9.50
L-Band W/L	ISD T1a-FRHS-MCIS	159	1755	10.26	9.50	9.50
		149	1545	10.33	9.50	9.50
		157	1585	10.29	9.50	95.28
		165	1625	10.41	9.50	9.50
		151	1735	10.39	9.50	91.18
		159	1755	10.26	9.50	9.50
	ISD T1a-FRHS-MCIS2	159	1755	10.26	9.50	9.50
		149	1545	10.33	9.50	9.50
		157	1585	10.29	9.50	95.28
		165	1625	10.41	9.50	9.50
		151	1735	10.39	9.50	91.18
		159	1755	10.26	9.50	9.50

Act 17-6			Full Power		Standalone for Head Standalone CDS for Head		Standalone CDS only for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
2.4GHz Wi-Fi	802.11a Mbps	1	2412	20.01	20.00	18.00	20.00	17.41	18.00	18.40	17.00	14.40	13.00	18.00	18.00	18.00	98.47
		5	2437	20.07	20.00	18.77	20.00	17.28	18.00	18.29	17.00	12.29	13.00	18.00	18.00	18.00	
		11	2462	20.71	20.00	18.62	20.00	17.36	18.00	18.34	17.00	12.36	13.00	18.00	18.00	18.00	
		1	2412	20.01	20.00	18.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11g Mbps	6	2437	21.22	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	95.53
		11	2462	20.81	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		1	2412	20.11	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		6	2437	20.29	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT20 MCS0	11	2462	19.90	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	90.30
		3	2432	19.41	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		5	2437	19.72	21.00	Not Required	20.00	Not Required	18.00	Not Required	17.00	Not Required	Not Required	18.00	18.00	18.00	
		9	2452	19.51	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT20 MCS9	1	2412	20.04	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	92.86
		6	2437	20.03	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		11	2462	20.09	21.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		3	2432	19.51	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT40 MCS0	6	2437	19.92	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	91.53
		11	2462	19.91	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		3	2432	19.51	20.00	20.00	20.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		9	2452	19.51	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	

Act 17-6			Full Power		Standalone for Head Standalone CDS for Head		Standalone CDS only for Head Standalone CDS for Head		Standalone for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
2.4GHz Wi-Fi	802.11a Mbps	35	5190	20.30	20.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	95.55
		44	5240	20.00	20.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		49	5260	20.40	20.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		36	5190	18.80	21.00	Not Required	18.00	Not Required	18.00	Not Required	17.00	Not Required	Not Required	18.00	18.00	18.00	
	802.11n HT20 MCS0	44	5240	20.04	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	95.56
		49	5260	19.90	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		36	5190	18.10	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		49	5260	20.70	21.00	18.02	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
	802.11n HT20 MCS9	36	5190	18.77	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	91.43
		44	5240	19.90	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		49	5260	19.91	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		36	5190	18.01	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
	802.11n HT40 MCS0	44	5240	19.94	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	92.86
		49	5260	19.93	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		36	5190	18.00	21.00	Not Required	18.00	Not Required	18.00	Not Required	17.00	Not Required	Not Required	18.00	18.00	18.00	
		49	5260	20.02	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
	802.11n HT40 MCS9	44	5240	20.04	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	92.30
		49	5260	20.02	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		36	5190	18.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
		49	5260	20.01	21.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	
	802.11n HT80 MCS0	42	5270	19.51	18.00	18.00	18.00	18.00	18.00	18.00	17.00	17.00	13.00	13.00	18.00	18.00	92.86

Act 17-6			Full Power		Standalone for Head Standalone CDS for Head		Standalone CDS only for Head Standalone CDS for Head		Standalone for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Standalone CDS for Head Standalone CDS for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
2.4GHz Wi-Fi	802.11a Mbps	52	5380	19.87	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	95.55
		60	5390	20.27	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		64	5400	19.79	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		52	5380	20.06	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT20 MCS0	60	5390	20.22	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	95.56
		64	5400	19.83	20.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		54	5370	19.92	20.00	17.11	18.00	18.00	17.00	18.00	18.00	13.00	13.00	18.00	18.00	18.00	
		62	5390	17.62	18.00	18.00	18.00	18.00	18.00	18.00	18.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT20 MCS9	52	5380	20.00	21.00	18.00	18.00	18.00	18.00	18.00	18.00	13.00	13.00	18.00	18.00	18.00	91.43
		60	5390	20.10	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		64	5400	18.72	18.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
		54	5370	19.74	20.00	18.00	18.00	18.00	18.00	18.00	18.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT40 MCS0	62	5390	17.40	18.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	92.86
		56	5380	17.94	18.00	18.00	18.00	18.00	18.00	18.00	18.00	13.00	13.00	18.00	18.00	18.00	
		50	5370	14.52	15.00	Not Required	15.00	Not Required	15.00	Not Required	15.00	Not Required	Not Required	15.00	15.00	15.00	
		60	5390	20.02	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	
	802.11n HT40 MCS9	60	5390	20.26	21.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	92.30
		64	5400	19.08	20.00	18.00	18.00	17.00	17.00	17.00	17.00	13.00	13.00	18.00	18.00	18.00	

BT BR/EDR Ant17			Full Power			Simultaneous for Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.37	13.20	13.27	9.41	6.14	6.12
	CH 39	2441	16.55	13.27	13.39	9.55	6.07	6.34
	CH 78	2480	16.28	13.13	13.09	9.36	5.98	5.89
Tune-up Limit			17.50	14.50	14.50	10.50	7.50	7.50

BLE_1M ANT17

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.55
	CH 19	2440	6.87
	CH 39	2480	6.85
Tune-up Limit			8.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.59
	CH 19	2440	6.92
	CH 39	2480	6.85
Tune-up Limit			8.00

BLE-125K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.61
	CH 19	2440	6.94
	CH 39	2480	6.88
Tune-up Limit			8.00

BLE-500K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.56
	CH 19	2440	6.89
	CH 39	2480	6.84
Tune-up Limit			8.00

BT BR/EDR Ant6			Full Power			Simultaneous for Head		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.18	13.15	13.19	8.75	5.70	5.76
	CH 39	2441	16.31	13.22	13.36	8.89	5.78	5.85
	CH 78	2480	15.84	12.78	12.87	8.40	5.20	5.44
Tune-up Limit			17.50	14.50	14.50	10.00	7.00	7.00

BLE_1M			Full Power
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	7.60
	CH 39	2480	7.11
Tune-up Limit			8.50

BLE_2M			Full Power
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	7.63
	CH 39	2480	7.07
Tune-up Limit			8.50

BLE-125K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.22
	CH 19	2440	7.67
	CH 39	2480	7.16
Tune-up Limit			8.50

BLE-500K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.21
	CH 19	2440	7.61
	CH 39	2480	7.06
Tune-up Limit			8.50