

Full&Default Power Mode Main PA

GSM850 Ant0 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	126	189	251	Limit	161	189	251	
Frequency (MHz)		854.2	858.4	868.8		854.2	858.4	868.8	
GSM 1 Tx slot		33.17	33.19	33.08	34.00	24.17	24.19	24.08	25.00
GPRS 1 Tx slot		33.15	33.18	33.07	34.00	24.15	24.18	24.07	25.00
GPRS 2 Tx slots		32.12	32.23	32.07	33.50	26.12	26.23	26.07	27.50
GPRS 3 Tx slots		30.32	30.44	30.43	31.50	26.06	26.18	26.17	27.24
GPRS 4 Tx slots		29.26	29.32	29.12	30.50	26.26	26.32	26.12	27.50
EDGE 1 Tx slot		27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50
EDGE 2 Tx slots		26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00
EDGE 3 Tx slots		23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74
EDGE 4 Tx slots		22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50
GSM1900 Ant0 Default									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661	810	Limit	512	661	810	
Frequency (MHz)		1500.2	1500	1500.8		1500.2	1500	1500.8	
GSM 1 Tx slot		29.55	29.58	29.48	30.50	20.55	20.58	20.48	21.50
GPRS 1 Tx slot		29.53	29.56	29.45	30.50	20.53	20.56	20.45	21.50
GPRS 2 Tx slots		28.48	28.61	28.44	29.50	22.48	22.61	22.44	23.50
GPRS 3 Tx slots		26.40	26.45	26.30	27.50	22.14	22.19	22.04	23.24
GPRS 4 Tx slots		25.26	25.33	25.13	26.50	22.26	22.33	22.13	23.50
EDGE 1 Tx slot		25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50
EDGE 2 Tx slots		24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00
EDGE 3 Tx slots		22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74
EDGE 4 Tx slots		20.92	20.80	20.75	22.00	17.92	17.80	17.78	19.00
WCDMA B Ant0 Default									
Band	WCDMA B			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400	9538	Limit	4132	4162	4233	
Frequency (MHz)		9602	9600	9608		4367	4407	4458	
3GPP Rel 99	AMR 12.2Kbps	22.54	22.61	22.52	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99	AMR 12.2Kbps	22.57	22.65	22.62	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-1	21.56	21.71	21.59	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	21.56	21.57	21.54	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6	HSDPA Subtest-3	21.08	21.19	21.11	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.06	21.06	22.50	21.13	21.28	21.24	22.50
3GPP Rel 6	DCHSDPA Subtest-1	21.55	21.65	21.57	23.00	21.81	21.80	21.82	23.00
3GPP Rel 6	DCHSDPA Subtest-2	21.44	21.63	21.47	23.00	21.72	21.89	21.73	23.00
3GPP Rel 6	DCHSDPA Subtest-3	20.99	21.17	21.06	22.50	21.25	21.38	21.30	22.50
3GPP Rel 6	DCHSDPA Subtest-4	20.97	21.07	20.98	22.50	21.16	21.22	21.11	22.50
3GPP Rel 6	HSPA Subtest-1	21.44	21.55	21.54	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6	HSPA Subtest-2	19.57	19.69	19.58	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6	HSPA Subtest-3	20.70	20.73	20.68	22.00	20.96	20.86	20.95	22.00
3GPP Rel 6	HSPA Subtest-4	19.48	19.60	19.47	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6	HSPA Subtest-5	21.47	21.64	21.52	23.00	21.66	21.69	21.62	23.00
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	19.11	19.31	19.13	20.50	19.35	19.52	19.37	20.50

Band 7 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				20650	21100	21550			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.93	23.04	22.97	24	0	
20	QPSK	1	49	22.91	22.96	22.86			
20	QPSK	1	99	22.76	22.91	22.77			
20	QPSK	50	0	21.91	22.01	21.87	23	1	
20	QPSK	50	24	21.85	21.95	21.85			
20	QPSK	50	50	21.80	21.90	21.77			
20	QPSK	100	0	21.86	21.96	21.90	23	1	
20	16QAM	1	0	21.99	22.07	21.98			
20	16QAM	1	49	21.94	22.01	21.94			
20	16QAM	1	99	21.85	21.97	21.93	22	2	
20	16QAM	50	0	21.03	21.09	21.03			
20	16QAM	50	24	20.98	21.01	20.93			
20	16QAM	50	50	21.01	21.05	21.02	22	2	
20	16QAM	100	0	20.87	21.01	20.89			
20	64QAM	1	0	20.08	21.03	20.93	22	2	
20	64QAM	1	49	20.91	20.97	20.88			
20	64QAM	1	99	20.86	20.93	20.80			
20	64QAM	50	0	19.96	20.04	19.96	21	3	
20	64QAM	50	24	19.91	19.95	19.83			
20	64QAM	50	50	19.97	20.00	19.91			
20	64QAM	100	0	19.93	19.98	19.89			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.82	22.93	22.89	24	0	
15	QPSK	1	37	22.80	22.82	22.77			
15	QPSK	1	74	22.62	22.76	22.64			
15	QPSK	36	0	21.80	21.86	21.77	23	1	
15	QPSK	36	20	21.78	21.91	21.76			
15	QPSK	36	39	21.71	21.79	21.67			
15	QPSK	75	0	21.72	21.82	21.77	23	1	
15	16QAM	1	0	21.95	21.98	21.89			
15	16QAM	1	37	21.87	21.87	21.85			
15	16QAM	1	74	21.81	21.91	21.82	22	2	
15	16QAM	36	0	20.91	21.03	20.91			
15	16QAM	36	20	20.89	20.91	20.89			
15	16QAM	36	39	20.89	21.01	20.95	22	2	
15	16QAM	75	0	20.75	20.95	20.83			
15	64QAM	1	0	20.99	20.91	20.88			
15	64QAM	1	37	20.83	20.90	20.82	22	2	
15	64QAM	1	74	20.78	20.79	20.72			
15	64QAM	36	0	19.85	19.90	19.82			
15	64QAM	36	20	19.83	19.91	19.73	21	3	
15	64QAM	36	39	19.90	19.96	19.83			
15	64QAM	75	0	19.79	19.95	19.81			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.94	22.92	24	0	
10	QPSK	1	25	22.77	22.93	22.74			
10	QPSK	1	49	22.64	22.77	22.67			
10	QPSK	25	0	21.86	21.92	21.76	23	1	
10	QPSK	25	12	21.73	21.90	21.81			
10	QPSK	25	25	21.71	21.77	21.70			
10	QPSK	50	0	21.74	21.91	21.84	23	1	
10	16QAM	1	0	21.92	22.01	21.92			
10	16QAM	1	25	21.86	21.98	21.80			
10	16QAM	1	49	21.77	21.87	21.86	22	2	
10	16QAM	25	0	20.95	21.01	20.95			
10	16QAM	25	12	20.89	20.88	20.86			
10	16QAM	25	25	20.97	20.93	20.97	22	2	
10	16QAM	50	0	20.74	20.93	20.80			
10	64QAM	1	0	20.92	20.94	20.83			
10	64QAM	1	25	20.84	20.91	20.76	22	2	
10	64QAM	1	49	20.83	20.96	20.75			
10	64QAM	25	0	19.91	19.93	19.83			
10	64QAM	25	12	19.84	19.83	19.78	21	3	
10	64QAM	25	25	19.83	19.87	19.85			
10	64QAM	50	0	19.81	19.84	19.78			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.85	22.96	22.93	24	0	
5	QPSK	1	12	22.87	22.92	22.76			
5	QPSK	1	24	22.68	22.86	22.73			
5	QPSK	12	0	21.82	21.91	21.75	23	1	
5	QPSK	12	7	21.81	21.83	21.74			
5	QPSK	12	13	21.71	21.78	21.63			
5	QPSK	25	0	21.72	21.85	21.86	23	1	
5	16QAM	1	0	21.94	21.97	21.89			
5	16QAM	1	12	21.84	21.87	21.86			
5	16QAM	1	24	21.72	21.91	21.85	22	2	
5	16QAM	12	0	20.93	21.01	20.90			
5	16QAM	12	7	20.93	20.96	20.78			
5	16QAM	12	13	20.90	20.91	20.96	22	2	
5	16QAM	25	0	20.73	20.94	20.83			
5	64QAM	1	0	20.86	20.92	20.85			
5	64QAM	1	12	20.87	20.94	20.78	22	2	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.90	19.94	19.81			
5	64QAM	12	7	19.82	19.82	19.73	21	3	
5	64QAM	12	13	19.82	19.92	19.82			
5	64QAM	25	0	19.86	19.87	19.79			

Band 42 FCC Part27Q Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.26	22.33	22.21	24	0	
20	QPSK	1	49	22.21	22.25	22.14			
20	QPSK	1	99	22.10	22.20	22.06			
20	QPSK	50	0	21.35	21.35	21.25	23	1	
20	QPSK	50	24	21.29	21.32	21.17			
20	QPSK	50	50	21.23	21.27	21.13			
20	QPSK	100	0	21.24	21.33	21.28	23	1	
20	16QAM	1	0	21.15	21.30	21.24			
20	16QAM	1	49	21.10	21.24	21.15			
20	16QAM	1	99	21.07	21.20	21.14	22	2	
20	16QAM	50	0	20.31	20.37	20.32			
20	16QAM	50	24	20.22	20.29	20.17			
20	16QAM	50	50	20.25	20.33	20.29	22	2	
20	16QAM	100	0	20.23	20.34	20.29			
20	64QAM	1	0	20.06	20.13	20.01			
20	64QAM	1	49	20.01	20.07	20.00	22	2	
20	64QAM	1	99	20.05	20.13	20.09			
20	64QAM	50	0	19.22	19.33	19.23			
20	64QAM	50	24	19.14	19.24	19.13	21	3	
20	64QAM	50	50	19.15	19.20	19.13			
20	64QAM	100	0	19.16	19.29	19.23			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.20	22.28	22.18	24	0	
15	QPSK	1	37	22.13	22.12	22.00			
15	QPSK	1	74	22.02	22.05	22.06			
15	QPSK	36	0	21.26	21.35	21.18	23	1	
15	QPSK	36	20	21.16	21.22	21.09			
15	QPSK	36	39	21.18	21.20	21.03			
15	QPSK	75	0	21.20	21.20	21.16	23	1	
15	16QAM	1	0	21.10	21.21	21.14			
15	16QAM	1	37	21.00	21.20	21.07			
15	16QAM	1	74	21.01	21.07	21.01	22	2	
15	16QAM	36	0	20.26	20.30	20.20			
15	16QAM	36	20	20.13	20.19	20.03			
15	16QAM	36	39	20.14	20.19	20.15	22	2	
15	16QAM	75	0	20.11	20.28	20.18			
15	64QAM	1	0	20.15	20.27	20.11			
15	64QAM	1	37	20.10	20.22	20.07	22	2	
15	64QAM	1	74	20.15	20.19	20.08			
15	64QAM	36	0	19.10	19.23	19.11			
15	64QAM	36	20	19.10	19.15	19.09	21	3	
15	64QAM	36	39	19.03	19.15	19.06			
15	64QAM	75	0	19.11	19.24	19.09			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	22.19	22.21	22.14	24	0	
10	QPSK	1	25	22.11	22.15	22.02			
10	QPSK	1	49	22.01	22.14	22.02			
10	QPSK	25	0	21.22	21.26	21.13	23	1	
10	QPSK	25	12	21.24	21.21	21.04			
10	QPSK	25	25	21.15	21.19	21.05			
10	QPSK	50	0	21.15	21.19	21.16	23	1	
10	16QAM	1	0	21.03	21.26	21.18			
10	16QAM	1	25	21.04	21.16	21.11			
10	16QAM	1	49	21.03	21.13	21.04	22	2	
10	16QAM	25	0	20.17	20.29	20.26			
10	16QAM	25	12	20.12	20.22	20.08			
10	16QAM	25	25	20.15	20.20	20.22	22	2	
10	16QAM	50	0	20.15	20.21	20.20			
10	64QAM	1	0	20.18	20.28	20.10			
10	64QAM	1	25	20.06	20.02	20.06	22	2	
10	64QAM	1	49	20.07	20.26	20.06			
10	64QAM	25	0	19.16	19.27	19.13			
10	64QAM	25	12	19.02	19.18	19.09	21	3	
10	64QAM	25	25	19.07	19.12	19.08			
10	64QAM	50	0	19.12	19.18	19.15			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3472.5	3500	3527.5			
5	QPSK	1	0	22.14	22.29	22.09	24	0	
5	QPSK	1	12	22.12	22.16	22.04			
5	QPSK	1	24	22.14	22.17	22.07			
5	QPSK	12	0	21.29	21.33	21.20	23	1	
5	QPSK	12	7	21.23	21.19	21.06			
5	QPSK	12	13	21.08	21.13	21.09			
5	QPSK	25	0	21.13	21.20	21.14	23	1	
5	16QAM	1	0	21.08	21.21	21.18			
5	16QAM	1	12	21.06	21.30	21.19			
5	16QAM	1	24	21.03	21.11	21.04	22	2	
5	16QAM	12	0	20.23	20.27	20.24			
5	16QAM	12	7	20.08	20.23	20.04			
5	16QAM	12	13	20.16	20.22	20.24	22	2	
5	16QAM	25	0	20.11	20.29	20.20			
5	64QAM	1	0	20.08	20.18	20.07			
5	64QAM	1	12	20.14	20.16	20.06	22	2	
5	64QAM	1	24	20.06	20.20	20.02			
5	64QAM	12	0	19.18	19.28	19.08			
5	64QAM	12	7	19.09	19.11	19.09	21	3	
5	64QAM	12	13	19.09	19.17	19.07			
5	64QAM	25	0	19.01	19.26	19.10			

Reduced Power Mode for Main PA EC12

GSM850 AnH0 EC12									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	126	189	251	Limit	161	189	251	
	Frequency (MHz)	854.2	858.4	862.6		854.2	858.4	862.6	
GSM 1 Tx slot		33.17	33.19	33.08	34.00	24.17	24.19	24.08	25.00
GPRS 1 Tx slot		33.15	33.18	33.07	34.00	24.15	24.18	24.07	25.00
GPRS 2 Tx slots		32.12	32.23	32.07	33.50	26.12	26.23	26.07	27.50
GPRS 3 Tx slots		30.32	30.44	30.43	31.50	26.06	26.18	26.17	27.24
GPRS 4 Tx slots		29.26	29.32	29.12	30.50	26.26	26.32	26.12	27.50
EDGE 1 Tx slot		27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50
EDGE 2 Tx slots		26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00
EDGE 3 Tx slots		23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74
EDGE 4 Tx slots		22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50
GSM1900 AnH0 EC12									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661	810	Limit	512	661	810	
	Frequency (MHz)	1500.2	1500	1500.8		1500.2	1500	1500.8	
GSM 1 Tx slot		29.55	29.59	29.46	30.50	20.55	20.58	20.46	21.50
GPRS 1 Tx slot		29.53	29.56	29.45	30.50	20.53	20.56	20.45	21.50
GPRS 2 Tx slots		28.48	28.61	28.44	29.50	22.48	22.61	22.44	23.50
GPRS 3 Tx slots		26.40	26.45	26.30	27.50	22.14	22.19	22.04	23.24
GPRS 4 Tx slots		25.26	25.33	25.13	26.50	22.26	22.33	22.13	23.50
EDGE 1 Tx slot		25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50
EDGE 2 Tx slots		24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00
EDGE 3 Tx slots		22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74
EDGE 4 Tx slots		20.92	20.80	20.75	22.00	17.92	17.80	17.78	18.00
WCDMA # AnH0 EC12									
WCDMA #					WCDMA V				
Band	WCDMA #			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400	9538	4132	4162	4233		
	Rx Channel	9662	9800	9938	4367	4407	4458		
	Frequency (MHz)	1852.4	1860	1867.6	2414.4	2414	2414.6		
3GPP Rel 99	AMR 12.2Kbps	22.54	22.61	22.52	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99	AMR 12.2Kbps	22.57	22.65	22.62	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-1	21.56	21.71	21.59	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	21.56	21.57	21.54	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6	HSDPA Subtest-3	21.08	21.19	21.11	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.06	21.06	22.50	21.13	21.28	21.24	22.50
3GPP Rel 6	DCHSDPA Subtest-1	21.55	21.65	21.57	23.00	21.81	21.80	21.82	23.00
3GPP Rel 6	DCHSDPA Subtest-2	21.44	21.63	21.47	23.00	21.72	21.89	21.73	23.00
3GPP Rel 6	DCHSDPA Subtest-3	20.99	21.17	21.06	22.50	21.25	21.38	21.30	22.50
3GPP Rel 6	DCHSDPA Subtest-4	20.97	21.07	20.98	22.50	21.16	21.22	21.11	22.50
3GPP Rel 6	HSUPA Subtest-1	21.44	21.55	21.54	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6	HSUPA Subtest-2	19.57	19.69	19.58	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6	HSUPA Subtest-3	20.70	20.73	20.68	22.00	20.96	20.86	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	19.48	19.60	19.47	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6	HSUPA Subtest-5	21.47	21.64	21.52	23.00	21.66	21.69	21.62	23.00
3GPP Rel 7	HSPA+ (L2GAM) Subtest-1	19.11	19.31	19.13	20.50	19.35	19.52	19.37	20.50

Band 42 FCC Part27Q EC12									
BW [MHz]	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	17.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	15.87	15.99	15.81	17.5	0	
20	QPSK	1	49	15.86	15.91	15.79			
20	QPSK	1	99	15.87	15.92	15.81			
20	QPSK	50	0	15.87	15.93	15.81	17.5	0	
20	QPSK	50	24	15.84	15.92	15.82			
20	QPSK	50	50	15.83	15.92	15.82			
20	QPSK	100	0	15.87	15.92	15.82	17.5	0	
20	16QAM	1	0	15.85	15.96	15.78			
20	16QAM	1	49	15.83	15.92	15.79			
20	16QAM	1	99	15.85	15.92	15.82	17.5	0	
20	16QAM	50	0	15.84	15.96	15.82			
20	16QAM	50	24	15.86	15.95	15.81			
20	16QAM	50	50	15.88	15.90	15.82	17.5	0	
20	16QAM	100	0	15.85	15.96	15.80			
20	64QAM	1	0	15.84	15.90	15.82			
20	64QAM	1	49	15.83	15.94	15.83	17.5	0	
20	64QAM	1	99	15.85	15.92	15.82			
20	64QAM	50	0	15.88	15.95	15.82			
20	64QAM	50	24	15.84	15.91	15.81	17.5	0	
20	64QAM	50	50	15.89	15.94	15.78			
20	64QAM	100	0	15.86	15.95	15.81			
Channel				42165	42590	43015	17.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	15.78	15.82	15.70	17.5	0	
15	QPSK	1	37	15.75	15.86	15.71			
15	QPSK	1	74	15.75	15.85	15.70			
15	QPSK	36	0	15.74	15.80	15.68	17.5	0	
15	QPSK	36	20	15.77	15.88	15.68			
15	QPSK	36	39	15.78	15.82	15.73			
15	QPSK	75	0	15.75	15.85	15.71	17.5	0	
15	16QAM	1	0	15.77	15.80	15.71			
15	16QAM	1	37	15.77	15.85	15.69			
15	16QAM	1	74	15.74	15.82	15.73	17.5	0	
15	16QAM	36	0	15.77	15.83	15.71			
15	16QAM	36	20	15.76	15.80	15.72			
15	16QAM	36	39	15.73	15.81	15.70	17.5	0	
15	16QAM	75	0	15.78	15.86	15.70			
15	64QAM	1	0	15.74	15.86	15.74			
15	64QAM	1	37	15.74	15.83	15.72	17.5	0	
15	64QAM	1	74	15.74	15.86	15.71			
15	64QAM	36	0	15.77	15.82	15.72			
15	64QAM	36	20	15.78	15.86	15.68	17.5	0	
15	64QAM	36	39	15.73	15.81	15.73			
15	64QAM	75	0	15.75	15.82	15.72			
Channel				42140	42590	43040	17.5	0	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	15.77	15.86	15.68	17.5	0	
10	QPSK	1	25	15.73	15.81	15.70			
10	QPSK	1	49	15.77	15.83	15.74			
10	QPSK	25	0	15.76	15.82	15.72	17.5	0	
10	QPSK	25	12	15.77	15.83	15.72			
10	QPSK	25	25	15.75	15.84	15.70			
10	QPSK	50	0	15.74	15.83	15.73	17.5	0	
10	16QAM	1	0	15.79	15.85	15.70			
10	16QAM	1	25	15.77	15.82	15.70			
10	16QAM	1	49	15.77	15.85	15.72	17.5	0	
10	16QAM	25	0	15.74	15.83	15.72			
10	16QAM	25	12	15.79	15.84	15.74			
10	16QAM	25	25	15.73	15.86	15.68	17.5	0	
10	16QAM	50	0	15.74	15.81	15.69			
10	64QAM	1	0	15.78	15.81	15.72			
10	64QAM	1	25	15.78	15.86	15.74	17.5	0	
10	64QAM	1	49	15.76	15.85	15.68			
10	64QAM	25	0	15.78	15.84	15.68			
10	64QAM	25	12	15.79	15.83	15.70	17.5	0	
10	64QAM	25	25	15.76	15.85	15.70			
10	64QAM	50	0	15.78	15.83	15.71			
Channel				42115	42590	43065	17.5	0	
Frequency (MHz)				3472.5	3500	3527.5			
5	QPSK	1	0	15.79	15.86	15.70	17.5	0	
5	QPSK	1	12	15.75	15.81	15.71			
5	QPSK	1	24	15.76	15.83	15.69			
5	QPSK	12	0	15.78	15.83	15.70	17.5	0	
5	QPSK	12	7	15.79	15.82	15.73			
5	QPSK	12	13	15.74	15.85	15.71			
5	QPSK	25	0	15.76	15.84	15.70	17.5	0	
5	16QAM	1	0	15.74	15.84	15.68			
5	16QAM	1	12	15.73	15.86	15.73			
5	16QAM	1	24	15.73	15.83	15.69	17.5	0	
5	16QAM	12	0	15.76	15.82	15.73			
5	16QAM	12	7	15.73	15.84	15.71			
5	16QAM	12	13	15.75	15.82	15.74	17.5	0	
5	16QAM	25	0	15.76	15.83	15.70			
5	64QAM	1	0	15.77	15.83	15.72			
5	64QAM	1	12	15.74	15.84	15.74	17.5	0	
5	64QAM	1	24	15.76	15.84	15.71			
5	64QAM	12	0	15.79	15.81	15.73			
5	64QAM	12	7	15.73	15.81	15.72	17.5	0	
5	64QAM	12	13	15.78	15.81	15.69			
5	64QAM	25	0	15.75	15.85	15.70			

Reduced Power Mode for Main PA ECI3

GSM850 AnH0 ECIO									
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	129	189	251		324.2	336.4	348.8		
GSM 1 Tx slot	30.14	30.16	30.05	31.00	21.14	21.16	21.05	22.00	
GPRS 1 Tx slot	30.12	30.15	30.04	31.00	21.12	21.15	21.04	22.00	
GPRS 2 Tx slots	29.09	29.20	29.04	30.50	23.09	23.20	23.04	24.50	
GPRS 3 Tx slots	27.29	27.41	27.40	28.50	23.03	23.15	23.14	24.24	
GPRS 4 Tx slots	26.23	26.29	26.09	27.50	23.23	23.29	23.09	24.50	
EDGE 1 Tx slot	24.29	24.39	24.40	25.50	15.29	15.39	15.40	16.50	
EDGE 2 Tx slots	23.14	23.09	23.26	24.00	17.14	17.09	17.26	18.00	
EDGE 3 Tx slots	20.83	20.89	20.85	22.00	16.57	16.63	16.59	17.74	
EDGE 4 Tx slots	19.37	19.47	19.49	20.50	16.37	16.47	16.49	17.50	
GSM1900 AnH0 ECIO									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
GSM 1 Tx slot	12.02	13.00	15.03	23.50	13.02	13.00	15.03	14.50	
GPRS 1 Tx slot	22.64	22.67	22.56	23.50	13.64	13.67	13.56	14.50	
GPRS 2 Tx slots	21.59	21.72	21.55	22.50	15.59	15.72	15.55	16.50	
GPRS 3 Tx slots	19.51	19.56	19.41	20.50	15.25	15.30	15.15	16.24	
GPRS 4 Tx slots	19.40	18.44	18.24	19.50	15.40	15.44	15.50	16.50	
EDGE 1 Tx slot	18.53	18.42	18.35	19.50	9.53	9.42	9.35	10.50	
EDGE 2 Tx slots	17.38	17.00	17.02	18.00	11.38	11.00	11.02	12.00	
EDGE 3 Tx slots	15.37	14.94	14.95	16.00	11.11	10.68	10.69	11.74	
EDGE 4 Tx slots	14.03	14.08	13.89	15.00	11.03	11.08	10.89	12.00	
WCDMA # AnH0 ECIO									
WCDMA #				WCDMA V AnH0 ECIO					
Band TX Channel Frequency (MHz)	WCDMA #			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		4132	4162	4233		
3GPP Rel 99	9662	9800	9938		4367	4407	4458		
3GPP Rel 99	1452.4	1460	1461.6	17.00	21.24	21.34	21.29	22.50	
3GPP Rel 99	15.62	15.69	15.60	17.00	21.31	21.39	21.34	22.50	
3GPP Rel 6	14.64	14.79	14.67	16.00	20.33	20.40	20.26	21.50	
3GPP Rel 6	HS-DSA Subtest-2	14.64	14.65	14.62	16.00	20.22	20.27	20.21	21.50
3GPP Rel 6	HS-DSA Subtest-3	14.16	14.27	14.19	15.50	19.79	19.82	19.80	21.00
3GPP Rel 6	HS-DSA Subtest-4	14.08	14.14	14.14	15.50	19.59	19.74	19.70	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	14.63	14.73	14.65	16.00	20.27	20.26	20.26	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	14.52	14.71	14.65	16.00	20.18	20.35	20.19	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	14.07	14.25	14.14	15.50	19.71	19.84	19.76	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	14.05	14.15	14.06	15.50	19.62	19.68	19.57	21.00
3GPP Rel 6	HS-UPA Subtest-1	14.52	14.67	14.62	16.00	20.14	20.18	20.16	21.50
3GPP Rel 6	HS-UPA Subtest-2	12.65	12.77	12.66	14.00	16.18	16.31	16.26	16.50
3GPP Rel 6	HS-UPA Subtest-3	13.78	13.81	13.76	15.00	19.42	19.32	19.41	20.50
3GPP Rel 6	HS-UPA Subtest-4	12.56	12.68	12.55	14.00	16.15	16.29	16.11	19.50
3GPP Rel 6	HS-UPA Subtest-5	14.55	14.72	14.60	16.00	20.12	20.35	20.28	21.50
3GPP Rel 7	HSPA+ (L2GAM) Subtest-1	12.19	12.36	12.21	13.50	17.81	17.86	17.83	16.00

Band 7 Ant1 EC13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.99	18.06	17.95	19	0	
20	QPSK	1	49	17.82	17.86	17.99			
20	QPSK	1	99	17.80	18.00	18.00			
20	QPSK	50	0	17.98	18.01	17.94	19	0	
20	QPSK	50	24	17.82	18.00	17.99			
20	QPSK	50	50	17.93	17.99	17.85			
20	QPSK	100	0	17.88	17.93	17.86	19	0	
20	16QAM	1	0	17.86	17.96	17.96			
20	16QAM	1	49	17.83	17.86	17.93			
20	16QAM	1	99	17.83	18.01	17.80	19	0	
20	16QAM	50	0	17.78	17.85	17.93			
20	16QAM	50	24	17.86	18.04	17.80			
20	16QAM	50	50	17.86	17.93	17.99	19	0	
20	16QAM	100	0	17.77	17.92	17.83			
20	64QAM	1	0	17.75	18.04	17.99			
20	64QAM	1	49	17.90	17.86	17.97	19	0	
20	64QAM	1	99	17.76	18.02	17.84			
20	64QAM	50	0	17.84	18.03	17.97			
20	64QAM	50	24	17.79	17.92	17.94	19	0	
20	64QAM	50	50	17.91	17.99	17.83			
20	64QAM	100	0	17.86	18.05	17.87			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.91	18.05	17.93	19	0	
15	QPSK	1	37	17.91	18.00	17.98			
15	QPSK	1	74	17.74	17.98	17.95			
15	QPSK	36	0	18.02	18.02	17.88	19	0	
15	QPSK	36	20	17.82	17.98	17.98			
15	QPSK	36	39	17.96	18.02	17.79			
15	QPSK	75	0	17.84	17.86	17.78	19	0	
15	16QAM	1	0	17.76	17.86	17.93			
15	16QAM	1	37	17.85	17.78	17.97			
15	16QAM	1	74	17.83	18.02	17.74	19	0	
15	16QAM	36	0	17.69	17.81	17.86			
15	16QAM	36	20	17.83	18.06	17.78			
15	16QAM	36	39	17.85	17.85	17.95	19	0	
15	16QAM	75	0	17.80	17.86	17.78			
15	64QAM	1	0	17.70	17.97	17.96			
15	64QAM	1	37	17.81	17.86	17.89	19	0	
15	64QAM	1	74	17.77	18.01	17.95			
15	64QAM	36	0	17.78	17.98	17.93			
15	64QAM	36	20	17.72	17.94	17.95	19	0	
15	64QAM	36	39	17.87	18.00	17.75			
15	64QAM	75	0	17.87	18.00	17.99			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.02	17.99	17.91	19	0	
10	QPSK	1	25	17.83	17.99	17.99			
10	QPSK	1	49	17.84	17.93	17.95			
10	QPSK	25	0	17.90	17.99	17.87	19	0	
10	QPSK	25	12	17.83	17.96	17.96			
10	QPSK	25	25	17.85	17.95	17.82			
10	QPSK	50	0	17.82	17.95	17.78	19	0	
10	16QAM	1	0	17.76	17.91	17.97			
10	16QAM	1	25	17.86	17.87	17.87			
10	16QAM	1	49	17.76	17.92	17.75	19	0	
10	16QAM	25	0	17.73	17.75	17.96			
10	16QAM	25	12	17.78	17.94	17.72			
10	16QAM	25	25	17.76	17.97	17.99	19	0	
10	16QAM	50	0	17.78	17.88	17.79			
10	64QAM	1	0	17.72	18.04	17.92			
10	64QAM	1	25	17.90	17.78	17.95	19	0	
10	64QAM	1	49	17.77	18.03	17.96			
10	64QAM	25	0	17.79	18.01	17.99			
10	64QAM	25	12	17.81	17.85	17.87	19	0	
10	64QAM	25	25	17.83	17.95	17.80			
10	64QAM	50	0	17.95	17.99	17.99			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.01	18.03	17.96	19	0	
5	QPSK	1	12	17.86	17.98	17.96			
5	QPSK	1	24	17.73	17.93	18.00			
5	QPSK	12	0	18.01	18.05	17.86	19	0	
5	QPSK	12	7	17.87	17.93	17.91			
5	QPSK	12	13	17.92	17.92	17.79			
5	QPSK	25	0	17.81	17.93	17.81	19	0	
5	16QAM	1	0	17.87	17.93	17.89			
5	16QAM	1	12	17.84	17.84	17.84			
5	16QAM	1	24	17.78	17.99	17.79	19	0	
5	16QAM	12	0	17.79	17.80	17.86			
5	16QAM	12	7	17.77	18.00	17.72			
5	16QAM	12	13	17.76	17.90	18.01	19	0	
5	16QAM	25	0	17.71	17.85	17.73			
5	64QAM	1	0	17.71	17.97	18.02			
5	64QAM	1	12	17.83	17.88	17.88	19	0	
5	64QAM	1	24	17.69	17.98	17.87			
5	64QAM	12	0	17.86	18.04	17.93			
5	64QAM	12	7	17.79	17.92	17.89	19	0	
5	64QAM	12	13	17.84	17.94	17.83			
5	64QAM	25	0	17.98	18.05	18.00			

Band 42 FCC Part27Q EC13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	17.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	15.87	15.99	15.81	17.5	0	
20	QPSK	1	49	15.86	15.91	15.79			
20	QPSK	1	99	15.87	15.92	15.81			
20	QPSK	50	0	15.87	15.93	15.81			
20	QPSK	50	24	15.84	15.92	15.82	17.5	0	
20	QPSK	50	50	15.83	15.92	15.82			
20	QPSK	100	0	15.87	15.92	15.82			
20	16QAM	1	0	15.85	15.96	15.78			
20	16QAM	1	49	15.83	15.92	15.79	17.5	0	
20	16QAM	1	99	15.85	15.92	15.82			
20	16QAM	50	0	15.84	15.96	15.82			
20	16QAM	50	24	15.86	15.95	15.81			
20	16QAM	50	50	15.88	15.90	15.82	17.5	0	
20	16QAM	100	0	15.85	15.96	15.80			
20	64QAM	1	0	15.84	15.90	15.82			
20	64QAM	1	49	15.83	15.94	15.83	17.5	0	
20	64QAM	1	99	15.85	15.92	15.82			
20	64QAM	50	0	15.88	15.95	15.82			
20	64QAM	50	24	15.84	15.91	15.81			
20	64QAM	50	50	15.89	15.94	15.78	17.5	0	
20	64QAM	100	0	15.86	15.95	15.81			
Channel				42165	42590	43015	17.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	15.78	15.82	15.70	17.5	0	
15	QPSK	1	37	15.75	15.86	15.71			
15	QPSK	1	74	15.75	15.85	15.70			
15	QPSK	36	0	15.74	15.80	15.68			
15	QPSK	36	20	15.77	15.88	15.68	17.5	0	
15	QPSK	36	39	15.78	15.82	15.73			
15	QPSK	75	0	15.75	15.85	15.71			
15	16QAM	1	0	15.77	15.80	15.71			
15	16QAM	1	37	15.77	15.85	15.69	17.5	0	
15	16QAM	1	74	15.74	15.82	15.73			
15	16QAM	36	0	15.77	15.83	15.71			
15	16QAM	36	20	15.76	15.80	15.72			
15	16QAM	36	39	15.73	15.81	15.70	17.5	0	
15	16QAM	75	0	15.78	15.86	15.70			
15	64QAM	1	0	15.74	15.86	15.74			
15	64QAM	1	37	15.74	15.83	15.72	17.5	0	
15	64QAM	1	74	15.74	15.86	15.71			
15	64QAM	36	0	15.77	15.82	15.72			
15	64QAM	36	20	15.78	15.86	15.68			
15	64QAM	36	39	15.73	15.81	15.73	17.5	0	
15	64QAM	75	0	15.75	15.82	15.72			
Channel				42140	42590	43040	17.5	0	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	15.77	15.86	15.68	17.5	0	
10	QPSK	1	25	15.73	15.81	15.70			
10	QPSK	1	49	15.77	15.83	15.74			
10	QPSK	25	0	15.76	15.82	15.72			
10	QPSK	25	12	15.77	15.83	15.72	17.5	0	
10	QPSK	25	25	15.75	15.84	15.70			
10	QPSK	50	0	15.74	15.83	15.73			
10	16QAM	1	0	15.79	15.85	15.70			
10	16QAM	1	25	15.77	15.82	15.70	17.5	0	
10	16QAM	1	49	15.77	15.85	15.72			
10	16QAM	25	0	15.74	15.83	15.72			
10	16QAM	25	12	15.79	15.84	15.74			
10	16QAM	25	25	15.73	15.86	15.68	17.5	0	
10	16QAM	50	0	15.74	15.81	15.69			
10	64QAM	1	0	15.78	15.81	15.72			
10	64QAM	1	25	15.78	15.86	15.74			
10	64QAM	1	49	15.76	15.85	15.68	17.5	0	
10	64QAM	25	0	15.78	15.84	15.68			
10	64QAM	25	12	15.79	15.83	15.70			
10	64QAM	25	25	15.76	15.85	15.70			
10	64QAM	50	0	15.78	15.83	15.71	17.5	0	
Channel				42115	42590	43065			
Frequency (MHz)				3472.5	3500	3527.5	17.5	0	
5	QPSK	1	0	15.79	15.86	15.70			
5	QPSK	1	12	15.75	15.81	15.71	17.5	0	
5	QPSK	1	24	15.76	15.83	15.69			
5	QPSK	12	0	15.78	15.83	15.70			
5	QPSK	12	7	15.79	15.82	15.73			
5	QPSK	12	13	15.74	15.85	15.71	17.5	0	
5	QPSK	25	0	15.76	15.84	15.70			
5	16QAM	1	0	15.74	15.84	15.68			
5	16QAM	1	12	15.73	15.86	15.73			
5	16QAM	1	24	15.73	15.83	15.69	17.5	0	
5	16QAM	12	0	15.76	15.82	15.73			
5	16QAM	12	7	15.73	15.84	15.71			
5	16QAM	12	13	15.75	15.82	15.74			
5	16QAM	25	0	15.76	15.83	15.70	17.5	0	
5	64QAM	1	0	15.77	15.83	15.72			
5	64QAM	1	12	15.74	15.84	15.74			
5	64QAM	1	24	15.76	15.84	15.71			
5	64QAM	12	0	15.79	15.81	15.73	17.5	0	
5	64QAM	12	7	15.73	15.81	15.72			
5	64QAM	12	13	15.78	15.81	15.69			
5	64QAM	25	0	15.75	15.85	15.70			

Reduced Power Mode for Main PA ECI6

GSM850 AnH0 EC06									
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	251		161	189	231		
	854.2	858.4	868.8		854.2	858.4	868.8		
GSM 1 Tx slot	32.64	32.66	32.55	33.50	23.64	23.66	23.55	24.50	
GPRS 1 Tx slot	32.62	32.65	32.54	33.50	23.62	23.65	23.54	24.50	
GPRS 2 Tx slots	31.59	31.70	31.54	33.00	25.59	25.70	25.54	27.00	
GPRS 3 Tx slots	29.79	29.91	29.80	31.00	25.53	25.65	25.64	26.74	
GPRS 4 Tx slots	28.73	28.79	28.59	30.00	25.73	25.79	25.59	27.00	
EDGE 1 Tx slot	26.79	26.89	26.90	28.00	17.79	17.89	17.90	19.00	
EDGE 2 Tx slots	23.64	23.59	23.76	26.50	16.64	16.59	16.76	20.50	
EDGE 3 Tx slots	23.33	23.39	23.35	24.50	16.07	16.13	16.09	20.24	
EDGE 4 Tx slots	21.87	21.97	21.99	23.00	16.87	16.97	16.99	20.00	

GSM1900 AnH0 EC06									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
	1500.2	1500	1500.8		1500.2	1500	1500.8		
GSM 1 Tx slot	26.98	27.01	26.89	28.00	17.98	18.01	17.89	19.00	
GPRS 1 Tx slot	26.96	26.99	26.88	28.00	17.96	17.99	17.88	19.00	
GPRS 2 Tx slots	25.91	26.04	25.87	27.00	19.91	20.04	19.87	21.00	
GPRS 3 Tx slots	23.83	23.88	23.73	25.00	19.57	19.62	19.47	20.74	
GPRS 4 Tx slots	22.72	22.76	22.56	24.00	19.72	19.76	19.56	21.00	
EDGE 1 Tx slot	22.85	22.74	22.67	24.00	13.85	13.74	13.67	15.00	
EDGE 2 Tx slots	21.70	21.32	21.34	22.50	15.70	15.32	15.34	16.50	
EDGE 3 Tx slots	19.69	19.26	19.27	20.50	15.43	15.00	15.01	16.24	
EDGE 4 Tx slots	18.35	18.23	18.21	19.50	15.35	15.23	15.21	16.50	

WCDMA # AnH0 EC06									
Band TX Channel Frequency (MHz)	WCDMA #			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		4132	4162	4233		
	9662	9800	9938		4367	4407	4458		
	1882.4	1880	1897.6		824.4	824	844.8		
3GPP Rel 99 RMC 12.2kops	17.98	18.05	17.96	19.50	21.35	21.45	21.40	22.50	
3GPP Rel 99 RMC 12.2kops	18.01	18.09	18.06	19.50	21.42	21.50	21.45	22.50	
3GPP Rel 6 HSDPA Subtest-1	17.00	17.15	17.03	18.50	20.44	20.51	20.37	21.50	
3GPP Rel 6 HSDPA Subtest-2	17.00	17.01	16.98	18.50	20.33	20.38	20.32	21.50	
3GPP Rel 6 HSDPA Subtest-3	16.52	16.63	16.55	18.00	19.90	19.93	19.91	21.00	
3GPP Rel 6 HSDPA Subtest-4	16.44	16.50	16.50	18.00	19.70	19.85	19.81	21.00	
3GPP Rel 6 DCHSDPA Subtest-1	16.99	17.09	17.01	18.50	20.38	20.37	20.36	21.50	
3GPP Rel 6 DCHSDPA Subtest-2	16.98	17.07	16.91	18.50	20.29	20.46	20.30	21.50	
3GPP Rel 6 DCHSDPA Subtest-3	16.43	16.61	16.50	18.00	19.82	19.95	19.87	21.00	
3GPP Rel 6 DCHSDPA Subtest-4	16.41	16.51	16.42	18.00	19.73	19.79	19.88	21.00	
3GPP Rel 6 HSUPA Subtest-1	16.88	17.03	16.88	18.50	20.25	20.29	20.30	21.50	
3GPP Rel 6 HSUPA Subtest-2	15.01	15.15	15.02	16.50	16.26	16.42	16.40	16.50	
3GPP Rel 6 HSUPA Subtest-3	16.14	16.17	16.12	17.50	19.53	19.43	19.52	20.50	
3GPP Rel 6 HSUPA Subtest-4	14.92	15.04	14.91	16.50	16.26	16.40	16.22	19.50	
3GPP Rel 6 HSUPA Subtest-5	16.91	17.06	16.96	18.50	20.23	20.46	20.39	21.50	
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	14.55	14.75	14.57	18.00	17.92	18.08	17.94	19.00	

Band 7 Ant1 EC16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.02	19.06	18.97	20	0	
20	QPSK	1	49	18.84	18.92	18.99			
20	QPSK	1	99	18.76	18.90	18.88			
20	QPSK	50	0	18.95	19.01	18.98	20	0	
20	QPSK	50	24	18.76	18.94	18.96			
20	QPSK	50	50	18.72	19.00	18.79			
20	QPSK	100	0	18.95	18.97	18.86	20	0	
20	16QAM	1	0	18.76	18.86	18.99			
20	16QAM	1	49	18.81	19.00	18.81			
20	16QAM	1	99	18.76	18.94	18.93	20	0	
20	16QAM	50	0	18.73	19.03	18.93			
20	16QAM	50	24	18.77	18.99	18.83			
20	16QAM	50	50	18.83	18.97	18.82	20	0	
20	16QAM	100	0	18.81	18.89	18.97			
20	64QAM	1	0	18.80	18.91	18.96	20	0	
20	64QAM	1	49	18.80	18.92	18.94			
20	64QAM	1	99	18.80	18.99	18.95			
20	64QAM	50	0	18.86	18.99	18.94	20	0	
20	64QAM	50	24	18.78	18.88	18.94			
20	64QAM	50	50	18.77	19.03	19.00			
20	64QAM	100	0	18.77	19.05	18.83			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	20	0	
15	QPSK	1	0	18.71	18.90	18.75			
15	QPSK	1	37	18.87	18.82	18.77	20	0	
15	QPSK	1	74	18.84	18.98	18.78			
15	QPSK	36	0	18.84	18.92	18.87			
15	QPSK	36	20	18.83	18.84	18.91	20	0	
15	QPSK	36	39	18.75	18.89	18.78			
15	QPSK	75	0	18.88	18.91	18.75			
15	16QAM	1	0	18.75	18.99	18.86	20	0	
15	16QAM	1	37	18.92	18.85	18.94			
15	16QAM	1	74	18.94	18.91	18.89			
15	16QAM	36	0	18.86	18.93	18.87	20	0	
15	16QAM	36	20	18.72	18.93	18.85			
15	16QAM	36	39	18.76	18.94	18.93			
15	16QAM	75	0	18.87	19.03	18.82	20	0	
15	64QAM	1	0	18.81	19.04	18.92			
15	64QAM	1	37	18.79	18.90	18.97			
15	64QAM	1	74	18.78	18.98	18.97	20	0	
15	64QAM	36	0	18.83	18.92	18.96			
15	64QAM	36	20	18.77	18.95	18.75			
15	64QAM	36	39	18.74	18.83	18.83	20	0	
15	64QAM	75	0	18.88	18.89	18.93			
Channel				20800	21100	21400	20		
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.83	18.81	18.90	20	0	
10	QPSK	1	25	18.78	18.99	18.89			
10	QPSK	1	49	18.88	18.84	18.82			
10	QPSK	25	0	18.82	18.91	18.93	20	0	
10	QPSK	25	12	18.88	19.05	18.96			
10	QPSK	25	25	18.85	18.90	18.82			
10	QPSK	50	0	18.90	19.00	18.91	20	0	
10	16QAM	1	0	18.73	18.91	18.75			
10	16QAM	1	25	18.89	19.03	18.81			
10	16QAM	1	49	18.88	18.84	18.94	20	0	
10	16QAM	25	0	18.79	19.03	18.88			
10	16QAM	25	12	18.92	18.90	18.81			
10	16QAM	25	25	18.91	18.97	18.77	20	0	
10	16QAM	50	0	18.78	18.85	18.86			
10	64QAM	1	0	18.73	18.81	18.78			
10	64QAM	1	25	18.75	18.98	18.85	20	0	
10	64QAM	1	49	18.79	19.03	18.96			
10	64QAM	25	0	18.81	18.92	18.78			
10	64QAM	25	12	18.92	18.96	18.97	20	0	
10	64QAM	25	25	18.87	18.87	18.75			
10	64QAM	50	0	18.75	19.02	18.79			
Channel				20775	21100	21425	20		
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.76	18.89	18.98	20	0	
5	QPSK	1	12	18.92	18.97	18.90			
5	QPSK	1	24	18.81	19.02	18.78			
5	QPSK	12	0	18.76	18.98	18.82	20	0	
5	QPSK	12	7	18.91	18.97	18.75			
5	QPSK	12	13	18.86	19.04	18.78			
5	QPSK	25	0	18.84	18.98	18.92	20	0	
5	16QAM	1	0	18.86	19.02	18.90			
5	16QAM	1	12	18.89	18.94	18.84			
5	16QAM	1	24	18.93	18.82	18.94	20	0	
5	16QAM	12	0	18.93	18.82	18.84			
5	16QAM	12	7	18.71	18.94	18.93			
5	16QAM	12	13	18.91	18.89	18.95	20	0	
5	16QAM	25	0	18.91	18.93	18.93			
5	64QAM	1	0	18.81	18.85	18.75			
5	64QAM	1	12	18.92	18.85	18.96	20	0	
5	64QAM	1	24	18.91	19.05	18.77			
5	64QAM	12	0	18.82	18.92	18.91			
5	64QAM	12	7	18.77	18.88	18.77	20	0	
5	64QAM	12	13	18.74	18.86	18.97			
5	64QAM	25	0	18.77	18.97	18.91			

Band 42 FCC Part27Q EC16									
BW [MHz]	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	21.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.81	19.84	19.72	21.5	0	
20	QPSK	1	49	19.82	19.66	19.65			
20	QPSK	1	99	19.74	19.63	19.67			
20	QPSK	50	0	19.75	19.80	19.70	21.5	0	
20	QPSK	50	24	19.55	19.72	19.58			
20	QPSK	50	50	19.65	19.54	19.65			
20	QPSK	100	0	19.63	19.76	19.74	21.5	0	
20	16QAM	1	0	19.64	19.63	19.61			
20	16QAM	1	49	19.65	19.77	19.74			
20	16QAM	1	99	19.82	19.69	19.70	21.5	0	
20	16QAM	50	0	19.60	19.74	19.67			
20	16QAM	50	24	19.57	19.79	19.74			
20	16QAM	50	50	19.64	19.67	19.57	21.5	0	
20	16QAM	100	0	19.57	19.73	19.70			
20	64QAM	1	0	19.55	19.62	19.57			
20	64QAM	1	49	19.65	19.72	19.67	21.5	0	
20	64QAM	1	99	19.66	19.80	19.70			
20	64QAM	50	0	19.22	19.33	19.23			
20	64QAM	50	24	19.14	19.24	19.13	21	0.5	
20	64QAM	50	50	19.15	19.20	19.13			
20	64QAM	100	0	19.16	19.29	19.23			
Channel				42165	42590	43015	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.63	19.80	19.67	21.5	0	
15	QPSK	1	37	19.58	19.63	19.62			
15	QPSK	1	74	19.69	19.51	19.52			
15	QPSK	36	0	19.74	19.83	19.74	21.5	0	
15	QPSK	36	20	19.54	19.63	19.53			
15	QPSK	36	39	19.67	19.77	19.70			
15	QPSK	75	0	19.57	19.66	19.72	21.5	0	
15	16QAM	1	0	19.59	19.72	19.52			
15	16QAM	1	37	19.61	19.79	19.76			
15	16QAM	1	74	19.53	19.54	19.60	21.5	0	
15	16QAM	36	0	19.73	19.75	19.64			
15	16QAM	36	20	19.52	19.77	19.64			
15	16QAM	36	39	19.66	19.70	19.68	21.5	0	
15	16QAM	75	0	19.66	19.70	19.54			
15	64QAM	1	0	19.65	19.70	19.64			
15	64QAM	1	37	19.69	19.57	19.52	21	0.5	
15	64QAM	1	74	19.59	19.67	19.60			
15	64QAM	36	0	19.10	19.23	19.11			
15	64QAM	36	20	19.10	19.15	19.09	21	0.5	
15	64QAM	36	39	19.03	19.15	19.06			
15	64QAM	75	0	19.11	19.24	19.09			
Channel				42140	42590	43040	21.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.63	19.69	19.73	21.5	0	
10	QPSK	1	25	19.52	19.69	19.65			
10	QPSK	1	49	19.66	19.51	19.61			
10	QPSK	25	0	19.72	19.76	19.74	21.5	0	
10	QPSK	25	12	19.60	19.62	19.51			
10	QPSK	25	25	19.53	19.57	19.70			
10	QPSK	50	0	19.50	19.79	19.70	21.5	0	
10	16QAM	1	0	19.60	19.70	19.63			
10	16QAM	1	25	19.50	19.71	19.68			
10	16QAM	1	49	19.56	19.67	19.70	21.5	0	
10	16QAM	25	0	19.62	19.66	19.66			
10	16QAM	25	12	19.79	19.72	19.58			
10	16QAM	25	25	19.64	19.57	19.56	21.5	0	
10	16QAM	50	0	19.54	19.69	19.69			
10	64QAM	1	0	19.59	19.50	19.60			
10	64QAM	1	25	19.55	19.59	19.62	21.5	0	
10	64QAM	1	49	19.61	19.77	19.68			
10	64QAM	25	0	19.16	19.27	19.13			
10	64QAM	25	12	19.02	19.18	19.09	21	0.5	
10	64QAM	25	25	19.07	19.12	19.08			
10	64QAM	50	0	19.12	19.18	19.15			
Channel				42115	42590	43065	21.5	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.81	19.67	19.58	21.5	0	
5	QPSK	1	12	19.53	19.63	19.58			
5	QPSK	1	24	19.70	19.54	19.65			
5	QPSK	12	0	19.75	19.68	19.55	21.5	0	
5	QPSK	12	7	19.71	19.67	19.71			
5	QPSK	12	13	19.69	19.72	19.57			
5	QPSK	25	0	19.64	19.76	19.72	21.5	0	
5	16QAM	1	0	19.66	19.75	19.55			
5	16QAM	1	12	19.61	19.62	19.73			
5	16QAM	1	24	19.63	19.59	19.68	21.5	0	
5	16QAM	12	0	19.63	19.68	19.70			
5	16QAM	12	7	19.50	19.78	19.69			
5	16QAM	12	13	19.88	19.69	19.55	21.5	0	
5	16QAM	25	0	19.61	19.65	19.69			
5	64QAM	1	0	19.68	19.67	19.68			
5	64QAM	1	12	19.61	19.72	19.71	21.5	0	
5	64QAM	1	24	19.54	19.67	19.70			
5	64QAM	12	0	19.18	19.28	19.08			
5	64QAM	12	7	19.09	19.11	19.09	21	0.5	
5	64QAM	12	13	19.09	19.17	19.07			
5	64QAM	25	0	19.01	19.26	19.10			

Reduced Power Mode for Main PA ECI7

GSM850 AnH0 ECI7									
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	129	169	251		324.2	336.4	349.8		
GSM 1 Tx slot	30.14	30.16	30.05	31.00	21.14	21.16	21.05	22.00	
GPRS 1 Tx slot	30.12	30.15	30.04	31.00	21.12	21.15	21.04	22.00	
GPRS 2 Tx slots	29.09	29.20	29.04	30.50	23.09	23.20	23.04	24.50	
GPRS 3 Tx slots	27.29	27.41	27.40	28.50	23.03	23.15	23.14	24.24	
GPRS 4 Tx slots	26.23	26.29	26.09	27.50	23.23	23.29	23.09	24.50	
EDGE 1 Tx slot	24.29	24.39	24.40	25.50	15.29	15.39	15.40	16.50	
EDGE 2 Tx slots	23.14	23.09	23.26	24.00	17.14	17.09	17.26	18.00	
EDGE 3 Tx slots	20.83	20.89	20.85	22.00	16.57	16.63	16.59	17.74	
EDGE 4 Tx slots	19.37	19.47	19.49	20.50	16.37	16.47	16.49	17.50	
GSM1900 AnH0 ECI7									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
GSM 1 Tx slot	22.62	22.69	22.57	23.50	13.66	13.69	13.57	14.50	
GPRS 1 Tx slot	22.64	22.67	22.56	23.50	13.64	13.67	13.56	14.50	
GPRS 2 Tx slots	21.59	21.72	21.55	22.50	15.59	15.72	15.55	16.50	
GPRS 3 Tx slots	19.51	19.56	19.41	20.50	15.25	15.30	15.15	16.24	
GPRS 4 Tx slots	19.40	18.44	18.24	19.50	15.40	15.44	15.24	16.50	
EDGE 1 Tx slot	18.53	18.42	18.35	19.50	9.53	9.42	9.35	10.50	
EDGE 2 Tx slots	17.38	17.00	17.02	18.00	11.38	11.00	11.02	12.00	
EDGE 3 Tx slots	15.37	14.94	14.95	16.00	11.11	10.68	10.69	11.74	
EDGE 4 Tx slots	14.03	14.08	13.89	15.00	11.03	11.08	10.89	12.00	
WCDMA # AnH0 ECI7									
WCDMA V AnH0 ECI7									
Band TX Channel Frequency (MHz)	WCDMA #			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		4132	4162	4233		
3GPP Rel 99	9662	9800	9938		4367	4407	4458		
3GPP Rel 99	1452.4	1460	1469.6	15.50	21.24	21.34	21.29	22.50	
3GPP Rel 99	14.13	14.18	14.11	15.50	21.31	21.39	21.34	22.50	
3GPP Rel 6	13.11	13.16	13.17	14.50	20.33	20.40	20.26	21.50	
3GPP Rel 6	13.14	13.15	13.13	14.50	20.22	20.27	20.21	21.50	
3GPP Rel 6	12.66	12.60	12.63	14.00	19.79	19.82	19.80	21.00	
3GPP Rel 6	12.42	12.61	12.61	14.00	19.59	19.74	19.70	21.00	
3GPP Rel 6	13.07	13.24	13.01	14.50	20.27	20.26	20.28	21.50	
3GPP Rel 6	13.00	13.19	12.86	14.50	20.18	20.35	20.19	21.50	
3GPP Rel 6	12.55	12.64	12.55	14.00	19.71	19.84	19.76	21.00	
3GPP Rel 6	12.57	12.48	12.47	14.00	19.62	19.68	19.57	21.00	
3GPP Rel 6	13.00	13.07	12.86	14.50	20.14	20.18	20.16	21.50	
3GPP Rel 6	11.02	11.25	11.10	12.50	18.18	18.31	18.26	19.50	
3GPP Rel 6	12.16	12.14	12.15	13.50	19.42	19.32	19.41	20.50	
3GPP Rel 6	11.03	11.05	10.99	12.50	18.15	18.29	18.11	19.50	
3GPP Rel 6	12.99	13.21	13.09	14.50	20.12	20.35	20.28	21.50	
3GPP Rel 7	10.60	10.86	10.65	12.00	17.81	17.86	17.83	19.00	

Band 7 Ant1 EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21350			
Frequency (MHz)				2610	2635	2660			
20	QPSK	1	0	17.99	18.06	17.95	19	0	
20	QPSK	1	49	17.82	17.86	17.99			
20	QPSK	1	99	17.80	18.00	18.00			
20	QPSK	50	0	17.98	18.01	17.94	19	0	
20	QPSK	50	24	17.82	18.00	17.99			
20	QPSK	50	50	17.93	17.99	17.85			
20	QPSK	100	0	17.88	17.93	17.86	19	0	
20	16QAM	1	0	17.86	17.96	17.96			
20	16QAM	1	49	17.83	17.86	17.93			
20	16QAM	1	99	17.83	18.01	17.80	19	0	
20	16QAM	50	0	17.78	17.85	17.93			
20	16QAM	50	24	17.86	18.04	17.80			
20	16QAM	50	50	17.86	17.93	17.99	19	0	
20	16QAM	100	0	17.77	17.92	17.83			
20	64QAM	1	0	17.75	18.04	17.99			
20	64QAM	1	49	17.90	17.86	17.97	19	0	
20	64QAM	1	99	17.76	18.02	17.84			
20	64QAM	50	0	17.84	18.03	17.97			
20	64QAM	50	24	17.79	17.92	17.94	19	0	
20	64QAM	50	50	17.91	17.99	17.83			
20	64QAM	100	0	17.86	18.05	17.87			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.91	18.05	17.93	19	0	
15	QPSK	1	37	17.91	18.00	17.98			
15	QPSK	1	74	17.74	17.98	17.95			
15	QPSK	36	0	18.02	18.02	17.88	19	0	
15	QPSK	36	20	17.82	17.98	17.98			
15	QPSK	36	39	17.96	18.02	17.79			
15	QPSK	75	0	17.84	17.86	17.78	19	0	
15	16QAM	1	0	17.76	17.86	17.93			
15	16QAM	1	37	17.85	17.78	17.97			
15	16QAM	1	74	17.83	18.02	17.74	19	0	
15	16QAM	36	0	17.69	17.81	17.86			
15	16QAM	36	20	17.83	18.06	17.78			
15	16QAM	36	39	17.85	17.85	17.95	19	0	
15	16QAM	75	0	17.80	17.86	17.78			
15	64QAM	1	0	17.70	17.97	17.96			
15	64QAM	1	37	17.81	17.86	17.89	19	0	
15	64QAM	1	74	17.77	18.01	17.95			
15	64QAM	36	0	17.78	17.98	17.93			
15	64QAM	36	20	17.72	17.94	17.95	19	0	
15	64QAM	36	39	17.87	18.00	17.75			
15	64QAM	75	0	17.87	18.00	17.99			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.02	17.99	17.91	19	0	
10	QPSK	1	25	17.83	17.99	17.99			
10	QPSK	1	49	17.84	17.93	17.95			
10	QPSK	25	0	17.90	17.99	17.87	19	0	
10	QPSK	25	12	17.83	17.96	17.96			
10	QPSK	25	25	17.85	17.95	17.82			
10	QPSK	50	0	17.82	17.95	17.78	19	0	
10	16QAM	1	0	17.76	17.91	17.97			
10	16QAM	1	25	17.86	17.87	17.87			
10	16QAM	1	49	17.76	17.92	17.75	19	0	
10	16QAM	25	0	17.73	17.75	17.96			
10	16QAM	25	12	17.78	17.94	17.72			
10	16QAM	25	25	17.76	17.97	17.99	19	0	
10	16QAM	50	0	17.78	17.88	17.79			
10	64QAM	1	0	17.72	18.04	17.92			
10	64QAM	1	25	17.90	17.78	17.95	19	0	
10	64QAM	1	49	17.77	18.03	17.96			
10	64QAM	25	0	17.79	18.01	17.99			
10	64QAM	25	12	17.81	17.85	17.87	19	0	
10	64QAM	25	25	17.83	17.95	17.80			
10	64QAM	50	0	17.95	17.99	17.99			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.01	18.03	17.96	19	0	
5	QPSK	1	12	17.86	17.98	17.96			
5	QPSK	1	24	17.73	17.93	18.00			
5	QPSK	12	0	18.01	18.05	17.86	19	0	
5	QPSK	12	7	17.87	17.93	17.91			
5	QPSK	12	13	17.92	17.92	17.79			
5	QPSK	25	0	17.81	17.93	17.81	19	0	
5	16QAM	1	0	17.87	17.93	17.89			
5	16QAM	1	12	17.84	17.84	17.84			
5	16QAM	1	24	17.78	17.99	17.79	19	0	
5	16QAM	12	0	17.79	17.80	17.86			
5	16QAM	12	7	17.77	18.00	17.72			
5	16QAM	12	13	17.76	17.90	18.01	19	0	
5	64QAM	25	0	17.71	17.85	17.73			
5	64QAM	1	0	17.71	17.97	18.02			
5	64QAM	1	12	17.83	17.88	17.88	19	0	
5	64QAM	1	24	17.69	17.98	17.87			
5	64QAM	12	0	17.86	18.04	17.93			
5	64QAM	12	7	17.79	17.92	17.89	19	0	
5	64QAM	12	13	17.84	17.94	17.83			
5	64QAM	25	0	17.98	18.05	18.00			

Band 42 FCC Part27Q EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	16	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	14.38	14.42	14.39	16	0	
20	QPSK	1	49	14.16	14.25	14.38			
20	QPSK	1	99	14.30	14.26	14.27			
20	QPSK	50	0	14.31	14.40	14.37	16	0	
20	QPSK	50	24	14.15	14.28	14.22			
20	QPSK	50	50	14.16	14.23	14.26			
20	QPSK	100	0	14.28	14.36	14.33	16	0	
20	16QAM	1	0	14.35	14.32	14.29			
20	16QAM	1	49	14.32	14.28	14.32			
20	16QAM	1	99	14.34	14.30	14.20	16	0	
20	16QAM	50	0	14.33	14.28	14.13			
20	16QAM	50	24	14.20	14.36	14.23			
20	16QAM	50	50	14.29	14.23	14.19	16	0	
20	16QAM	100	0	14.18	14.33	14.34			
20	64QAM	1	0	14.27	14.30	14.22			
20	64QAM	1	49	14.17	14.32	14.31	16	0	
20	64QAM	1	99	14.21	14.30	14.16			
20	64QAM	50	0	14.23	14.35	14.29			
20	64QAM	50	24	14.21	14.40	14.30	16	0	
20	64QAM	50	50	14.25	14.20	14.24			
20	64QAM	100	0	14.29	14.32	14.27			
Channel				42165	42590	43015	16	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	14.27	14.25	14.29	16	0	
15	QPSK	1	37	14.10	14.06	14.36			
15	QPSK	1	74	14.14	14.23	14.19			
15	QPSK	36	0	14.23	14.27	14.23	16	0	
15	QPSK	36	20	14.27	14.30	14.32			
15	QPSK	36	39	14.04	14.05	14.11			
15	QPSK	75	0	14.20	14.33	14.22	16	0	
15	16QAM	1	0	14.25	14.23	14.21			
15	16QAM	1	37	14.16	14.19	14.27			
15	16QAM	1	74	14.31	14.19	14.10	16	0	
15	16QAM	36	0	14.16	14.27	14.25			
15	16QAM	36	20	14.11	14.17	14.17			
15	16QAM	36	39	14.14	14.03	14.03	16	0	
15	16QAM	75	0	14.00	14.29	14.21			
15	64QAM	1	0	14.25	14.23	14.21			
15	64QAM	1	37	14.16	14.18	14.19	16	0	
15	64QAM	1	74	14.09	14.27	14.09			
15	64QAM	36	0	14.19	14.26	14.11			
15	64QAM	36	20	14.19	14.32	14.27	16	0	
15	64QAM	36	39	14.11	14.25	14.19			
15	64QAM	75	0	14.14	14.21	14.16			
Channel				42140	42590	43040	16	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	14.26	14.34	14.24	16	0	
10	QPSK	1	25	14.07	14.07	14.32			
10	QPSK	1	49	14.29	14.26	14.08			
10	QPSK	25	0	14.30	14.25	14.34	16	0	
10	QPSK	25	12	14.28	14.24	14.27			
10	QPSK	25	25	14.21	14.31	14.19			
10	QPSK	50	0	14.13	14.29	14.17	16	0	
10	16QAM	1	0	14.18	14.32	14.15			
10	16QAM	1	25	14.12	14.09	14.27			
10	16QAM	1	49	14.17	14.24	14.13	16	0	
10	16QAM	25	0	14.26	14.27	14.07			
10	16QAM	25	12	14.14	14.25	14.21			
10	16QAM	25	25	14.16	14.22	14.11	16	0	
10	16QAM	50	0	14.16	14.14	14.19			
10	64QAM	1	0	14.25	14.14	14.03			
10	64QAM	1	25	14.13	14.25	14.22	16	0	
10	64QAM	1	49	14.03	14.15	14.03			
10	64QAM	25	0	14.06	14.19	14.23			
10	64QAM	25	12	14.13	14.39	14.26	16	0	
10	64QAM	25	25	14.16	14.18	14.08			
10	64QAM	50	0	14.22	14.19	14.13			
Channel				42115	42590	43065	16	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	14.21	14.30	14.19	16	0	
5	QPSK	1	12	14.03	14.09	14.28			
5	QPSK	1	24	14.10	14.23	14.14			
5	QPSK	12	0	14.12	14.26	14.27	16	0	
5	QPSK	12	7	14.21	14.29	14.18			
5	QPSK	12	13	14.04	14.16	14.16			
5	QPSK	25	0	14.21	14.22	14.16	16	0	
5	16QAM	1	0	14.35	14.28	14.25			
5	16QAM	1	12	14.19	14.15	14.22			
5	16QAM	1	24	14.30	14.21	14.17	16	0	
5	16QAM	12	0	14.19	14.33	14.16			
5	16QAM	12	7	14.17	14.16	14.21			
5	16QAM	12	13	14.09	14.16	14.02	16	0	
5	16QAM	25	0	14.03	14.29	14.23			
5	64QAM	1	0	14.25	14.23	14.09			
5	64QAM	1	12	14.13	14.27	14.17	16	0	
5	64QAM	1	24	14.13	14.31	14.24			
5	64QAM	12	0	14.10	14.33	14.24			
5	64QAM	12	7	14.07	14.38	14.18	16	0	
5	64QAM	12	13	14.21	14.12	14.12			
5	64QAM	25	0	14.13	14.23	14.08			

Reduced Power Mode for Other PA EC12

Band 7 Ant4 NSA EC12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20850	Power Middle Ch./Freq. 21100	Power High Ch./Freq. 21350	Tune-up limit (dBm)	MPR (dB)	
Channel				2510	2535	2560			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.37	13.47	13.43	14.5	0	
20	QPSK	1	49	13.19	13.29	13.24			
20	QPSK	1	99	13.23	13.32	13.18			
20	QPSK	50	0	13.40	13.45	13.39	14.5	0	
20	QPSK	50	24	13.12	13.25	13.30			
20	QPSK	50	50	13.11	13.38	13.13			
20	QPSK	100	0	13.35	13.37	13.31	14.5	0	
20	16QAM	1	0	13.24	13.34	13.26			
20	16QAM	1	49	13.12	13.25	13.21			
20	16QAM	1	99	13.27	13.24	13.15	14.5	0	
20	16QAM	50	0	13.17	13.28	13.33			
20	16QAM	50	24	13.24	13.40	13.22			
20	16QAM	50	50	13.34	13.43	13.20	14.5	0	
20	16QAM	100	0	13.14	13.45	13.27			
20	64QAM	1	0	13.12	13.43	13.25			
20	64QAM	1	49	13.23	13.45	13.32	14.5	0	
20	64QAM	1	99	13.27	13.42	13.27			
20	64QAM	50	0	13.25	13.46	13.26			
20	64QAM	50	24	13.14	13.43	13.30	14.5	0	
20	64QAM	50	50	13.30	13.46	13.18			
20	64QAM	100	0	13.13	13.33	13.24			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.35	13.44	13.43	14.5	0	
15	QPSK	1	37	13.16	13.15	13.13			
15	QPSK	1	74	13.12	13.35	13.09			
15	QPSK	36	0	13.38	13.40	13.33	14.5	0	
15	QPSK	36	20	12.95	13.16	13.15			
15	QPSK	36	39	13.05	13.27	13.11			
15	QPSK	75	0	13.33	13.36	13.23	14.5	0	
15	16QAM	1	0	13.10	13.33	13.07			
15	16QAM	1	37	13.11	13.13	13.15			
15	16QAM	1	74	13.24	13.05	13.17	14.5	0	
15	16QAM	36	0	13.11	13.28	13.28			
15	16QAM	36	20	13.07	13.24	13.15			
15	16QAM	36	39	13.32	13.38	13.00	14.5	0	
15	16QAM	75	0	13.11	13.32	13.24			
15	64QAM	1	0	13.14	13.28	13.07			
15	64QAM	1	37	13.21	13.28	13.18	14.5	0	
15	64QAM	1	74	13.08	13.41	13.13			
15	64QAM	36	0	13.22	13.30	13.27			
15	64QAM	36	20	13.01	13.26	13.27	14.5	0	
15	64QAM	36	39	13.22	13.34	13.00			
15	64QAM	75	0	12.94	13.35	13.24			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.25	13.35	13.28	14.5	0	
10	QPSK	1	25	13.05	13.28	13.13			
10	QPSK	1	49	13.25	13.15	13.14			
10	QPSK	25	0	13.20	13.35	13.25	14.5	0	
10	QPSK	25	12	13.01	13.26	13.25			
10	QPSK	25	25	13.09	13.33	12.99			
10	QPSK	50	0	13.16	13.38	13.29	14.5	0	
10	16QAM	1	0	13.07	13.17	13.11			
10	16QAM	1	25	13.09	13.12	13.13			
10	16QAM	1	49	13.20	13.24	12.99	14.5	0	
10	16QAM	25	0	13.00	13.13	13.30			
10	16QAM	25	12	13.18	13.40	13.13			
10	16QAM	25	25	13.17	13.44	13.00	14.5	0	
10	16QAM	50	0	13.00	13.45	13.07			
10	64QAM	1	0	12.99	13.40	13.07			
10	64QAM	1	25	13.08	13.25	13.20	14.5	0	
10	64QAM	1	49	13.17	13.35	13.12			
10	64QAM	25	0	13.11	13.46	13.18			
10	64QAM	25	12	12.99	13.33	13.20	14.5	0	
10	64QAM	25	25	13.10	13.37	13.20			
10	64QAM	50	0	13.00	13.13	13.23			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20725	21100	21507.5			
5	QPSK	1	0	13.36	13.41	13.23	14.5	0	
5	QPSK	1	12	13.05	13.29	13.08			
5	QPSK	1	24	13.03	13.11	13.21			
5	QPSK	12	0	13.37	13.46	13.28	14.5	0	
5	QPSK	12	7	13.00	13.11	13.16			
5	QPSK	12	13	12.96	13.39	13.12			
5	QPSK	25	0	13.34	13.32	13.18	14.5	0	
5	16QAM	1	0	13.16	13.13	13.28			
5	16QAM	1	12	13.10	13.11	13.11			
5	16QAM	1	24	13.25	13.14	12.96	14.5	0	
5	16QAM	12	0	13.01	13.28	13.27			
5	16QAM	12	7	13.19	13.35	13.15			
5	16QAM	12	13	13.36	13.37	13.06	14.5	0	
5	16QAM	25	0	13.02	13.36	13.24			
5	64QAM	1	0	12.93	13.27	13.19			
5	64QAM	1	12	13.14	13.35	13.12	14.5	0	
5	64QAM	1	24	13.07	13.23	13.23			
5	64QAM	12	0	13.17	13.43	13.18			
5	64QAM	12	7	13.11	13.23	13.13	14.5	0	
5	64QAM	12	13	13.29	13.30	13.07			
5	64QAM	25	0	13.02	13.24	13.07			

Reduced Power Mode for Other PA ECI3

Band 7 Ant4 NSA ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq. 2050	Power Middle Ch./Freq. 2100	Power High Ch./Freq. 2150			
Channel									
Frequency (MHz)							2535	2550	2560
20	QPSK	1	0	16.02	16.07	15.97	17	0	
20	QPSK	1	49	15.48	15.88	15.89			
20	QPSK	1	99	15.68	15.83	15.65			
20	QPSK	50	0	15.81	15.91	15.81	17	0	
20	QPSK	50	24	15.68	15.88	15.67			
20	QPSK	50	50	15.68	15.83	15.71			
20	QPSK	100	0	15.85	15.87	15.67	17	0	
20	16QAM	1	0	15.49	15.94	15.56			
20	16QAM	1	49	15.73	15.94	15.67			
20	16QAM	1	99	15.69	15.93	15.82	17	0	
20	16QAM	50	0	15.73	15.83	15.74			
20	16QAM	50	24	15.58	15.77	15.67			
20	16QAM	50	50	15.72	15.84	15.69	17	0	
20	16QAM	100	0	15.62	15.79	15.68			
20	64QAM	1	0	15.83	15.85	15.64			
20	64QAM	1	49	15.65	15.77	15.70	17	0	
20	64QAM	1	99	15.66	15.74	15.66			
20	64QAM	50	0	15.64	15.70	15.60			
20	64QAM	50	24	15.70	15.88	15.83	17	0	
20	64QAM	50	50	15.69	15.98	15.74			
20	64QAM	100	0	15.65	15.81	15.70			
Channel							20825	21100	21375
Frequency (MHz)							20825	2535	2562.5
15	QPSK	1	0	15.79	16.05	15.88	17	0	
15	QPSK	1	37	15.55	15.74	15.56			
15	QPSK	1	74	15.61	15.76	15.50			
15	QPSK	36	0	15.73	16.02	15.70	17	0	
15	QPSK	36	20	15.52	15.73	15.79			
15	QPSK	36	39	15.57	15.85	15.75			
15	QPSK	75	0	15.67	16.02	15.72	17	0	
15	16QAM	1	0	15.48	15.81	15.57			
15	16QAM	1	37	15.79	15.90	15.78			
15	16QAM	1	74	15.66	15.83	15.81	17	0	
15	16QAM	36	0	15.80	15.83	15.60			
15	16QAM	36	20	15.39	15.75	15.68			
15	16QAM	36	39	15.81	15.79	15.74	17	0	
15	16QAM	75	0	15.55	15.60	15.57			
15	64QAM	1	0	15.72	15.84	15.60			
15	64QAM	1	37	15.70	15.57	15.75	17	0	
15	64QAM	1	74	15.64	15.76	15.50			
15	64QAM	36	0	15.68	15.70	15.78			
15	64QAM	36	20	15.57	15.70	15.72	17	0	
15	64QAM	36	39	15.68	15.68	15.76			
15	64QAM	75	0	15.56	15.82	15.74			
Channel							20800	21100	21400
Frequency (MHz)							2505	2535	2565
10	QPSK	1	0	15.83	15.82	15.71	17	0	
10	QPSK	1	25	15.64	15.94	15.66			
10	QPSK	1	49	15.65	15.64	15.65			
10	QPSK	25	0	15.83	16.02	15.98	17	0	
10	QPSK	25	12	15.54	15.67	15.73			
10	QPSK	25	25	15.67	15.81	15.64			
10	QPSK	50	0	15.76	15.81	15.76	17	0	
10	16QAM	1	0	15.60	15.77	15.60			
10	16QAM	1	25	15.55	15.85	15.68			
10	16QAM	1	49	15.56	15.73	15.84	17	0	
10	16QAM	25	0	15.75	15.79	15.68			
10	16QAM	25	12	15.49	15.70	15.49			
10	16QAM	25	25	15.80	15.69	15.74	17	0	
10	16QAM	50	0	15.66	15.82	15.73			
10	64QAM	1	0	15.80	15.88	15.73			
10	64QAM	1	25	15.65	15.94	15.68	17	0	
10	64QAM	1	49	15.80	15.71	15.58			
10	64QAM	25	0	15.78	15.58	15.60			
10	64QAM	25	12	15.56	15.75	15.74	17	0	
10	64QAM	25	25	15.85	15.86	15.75			
10	64QAM	50	0	15.49	15.82	15.83			
Channel							20775	21100	21425
Frequency (MHz)							20775	2535	2567.5
5	QPSK	1	0	15.68	15.78	16.02	17	0	
5	QPSK	1	12	15.68	15.60	15.84			
5	QPSK	1	24	15.52	15.87	15.66			
5	QPSK	12	0	15.67	15.83	15.70	17	0	
5	QPSK	12	7	15.47	15.79	15.56			
5	QPSK	12	13	15.50	15.78	15.49			
5	QPSK	25	0	15.76	15.96	15.82	17	0	
5	16QAM	1	0	15.48	15.81	15.72			
5	16QAM	1	12	15.90	15.76	15.69			
5	16QAM	1	24	15.65	16.00	15.75	17	0	
5	16QAM	12	0	15.64	15.69	15.53			
5	16QAM	12	7	15.51	15.86	15.68			
5	16QAM	12	13	15.46	15.71	15.55	17	0	
5	16QAM	25	0	15.71	15.86	15.80			
5	64QAM	1	0	15.66	15.69	15.75			
5	64QAM	1	12	15.80	15.84	15.46	17	0	
5	64QAM	1	24	15.63	15.67	15.47			
5	64QAM	12	0	15.72	15.51	15.56			
5	64QAM	12	7	15.74	15.93	15.73	17	0	
5	64QAM	12	13	15.67	15.81	15.77			
5	64QAM	25	0	15.63	15.94	15.83			

Default Power for FR1 Main PA

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300			24.0	0.0	
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	22.86					
25	PI/2 BPSK	1	64	22.83					
25	PI/2 BPSK	1	131	22.77			23.5	0.5	
25	PI/2 BPSK	64	0	22.38					
25	PI/2 BPSK	64	33	22.81					
25	PI/2 BPSK	64	65	22.37					
25	PI/2 BPSK	128	0	22.37			24.0	0.0	
25	QPSK	1	1	22.92					
25	QPSK	1	64	22.84					
25	QPSK	1	131	22.75					
25	QPSK	64	0	21.89			23.0	1.0	
25	QPSK	64	33	22.87					
25	QPSK	64	65	21.83					
25	QPSK	128	0	21.84					
25	16QAM	1	1	21.74			21.5	2.5	
25	64QAM	1	1	20.04					
25	256QAM	1	1	18.71					
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.64	22.74	22.52			
Channel				166300	167300	168300		24.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.72	22.77	22.59		24.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.64	22.86	22.61		24.0	

n26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	PI/2 BPSK	1	1	22.70	22.89	22.76			
20	PI/2 BPSK	1	53	22.69	22.86	22.71			
20	PI/2 BPSK	1	104	22.57	22.77	22.68	23.5	0.5	
20	PI/2 BPSK	50	0	22.38	22.56	22.48			
20	PI/2 BPSK	50	28	22.68	22.87	22.75			
20	PI/2 BPSK	50	56	22.23	22.45	22.31			
20	PI/2 BPSK	100	0	22.32	22.51	22.37	24.0	0.0	
20	QPSK	1	1	22.76	22.94	22.81			
20	QPSK	1	53	22.71	22.89	22.79			
20	QPSK	1	104	22.53	22.74	22.62			
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0	
20	QPSK	50	28	22.70	22.89	22.75			
20	QPSK	50	56	21.67	21.91	21.84			
20	QPSK	100	0	21.79	21.96	21.82			
20	16QAM	1	1	21.31	21.56	21.43	21.5	2.5	
20	64QAM	1	1	19.87	20.08	19.99			
20	256QAM	1	1	18.51	18.71	18.64			
Channel				164300	166300	168300	24.0	0.0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.68	22.80	22.70		24.0	
Channel				163800	166300	168800			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.71	22.81	22.89		24.0	

n7 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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.85	22.95	22.80	24.0	0.0	
50	PI/2 BPSK	1	135	22.73	22.85	22.65			
50	PI/2 BPSK	1	268	22.49	22.55	22.36			
50	PI/2 BPSK	135	0	22.19	22.31	22.14			
50	PI/2 BPSK	135	68	22.29	22.41	22.19	23.5	0.5	
50	PI/2 BPSK	135	135	22.23	22.34	22.16	23.5	0.5	
50	PI/2 BPSK	270	0	22.22	22.33	22.14			
50	QPSK	1	1	22.89	22.98	22.81	24.0	0.0	
50	QPSK	1	135	22.66	22.79	22.55			
50	QPSK	1	268	22.38	22.47	22.25			
50	QPSK	135	0	21.69	21.81	21.61			
50	QPSK	135	68	22.82	22.93	22.70	23.0	0.0	
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0	
50	QPSK	270	0	21.66	21.78	21.54			
50	16QAM	1	1	21.10	21.19	21.07	23.0	1.0	
50	64QAM	1	1	19.81	19.90	19.72			
50	256QAM	1	1	18.49	18.59	18.38	21.5	2.5	
Channel				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.83	22.86	22.69	21.5	2.5	
Channel				503000	507000	511000	24.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.83	22.83	22.74	21.5	2.5	
Channel				502500	507000	511500	24.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.83	22.88	22.68	21.5	2.5	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.76	22.84	22.69	21.5	2.5	
Channel				501500	507000	512500	24.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.80	22.90	22.68	21.5	2.5	
Channel				501000	507000	513000	24.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.79	22.87	22.74	21.5	2.5	
Channel				500500	507000	513500	24.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.77	22.89	22.72	21.5	2.5	

Part270 n77 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				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.71	20.67	20.76	22.5	0.0
100	PI/2 BPSK	1	137	19.19	19.82	19.77		
100	PI/2 BPSK	1	271	19.76	19.88	19.77	22.5	0.0
100	PI/2 BPSK	135	0	20.49	20.46	20.30		
100	PI/2 BPSK	135	69	20.69	20.72	20.50	22.5	0.0
100	PI/2 BPSK	135	138	20.39	20.34	20.33		
100	PI/2 BPSK	270	0	20.35	20.26	20.20	22.5	0.0
100	QPSK	1	1	19.46	20.01	19.85		
100	QPSK	1	137	20.83	20.85	20.81	22.5	0.0
100	QPSK	1	271	19.90	19.97	19.93		
100	QPSK	135	0	20.53	20.59	20.55	22.5	0.0
100	QPSK	135	69	20.75	20.78	20.70		
100	QPSK	135	138	20.54	20.59	20.57	22.5	0.0
100	QPSK	270	0	20.49	20.53	20.47		
100	16QAM	1	1	20.58	20.56	20.68	22.5	0.0
100	64QAM	1	1	20.46	20.57	20.72		
100	256QAM	1	1	20.55	20.47	20.68	22.5	0.0
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	22.5	0.0
90	QPSK	1	120	20.47	20.50	20.52		
Channel				649334	656000	662668	22.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.60	20.46	20.73	22.5	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	22.5	0.0
70	QPSK	1	95	20.63	20.51	20.65		
Channel				648668	656000	663334	22.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.49	20.47	20.57	22.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	22.5	0.0
50	QPSK	1	67	20.62	20.58	20.66		
Channel				648000	656000	664000	22.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.46	20.60	20.67	22.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	22.5	0.0
30	QPSK	1	39	20.57	20.63	20.50		
Channel				647334	656000	664668	22.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.59	20.45	20.66	22.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	22.5	0.0
15	QPSK	1	19	20.65	20.56	20.51		
Channel				647000	656000	665000	22.5	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.60	20.58	20.72	22.5	0.0

Part270 n77 PC2 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				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.57	20.11	23.5	0.0
100	PI/2 BPSK	1	137	21.06	21.55	21.12		
100	PI/2 BPSK	1	271	19.72	20.15	19.76	22.5	1.0
100	PI/2 BPSK	135	0	20.52	20.97	20.54		
100	PI/2 BPSK	135	69	20.90	21.48	21.20	22.5	1.0
100	PI/2 BPSK	135	138	20.53	21.08	20.60		
100	PI/2 BPSK	270	0	20.56	20.95	20.59	23.5	0.0
100	QPSK	1	1	20.04	20.58	20.22		
100	QPSK	1	137	21.35	21.75	21.39	22.5	1.0
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96	23.5	0.0
100	QPSK	135	69	21.00	21.52	21.20		
100	QPSK	135	138	20.05	20.51	20.19	22.5	1.0
100	QPSK	270	0	19.91	20.59	19.96		
100	16QAM	1	1	19.17	19.76	19.41	21.5	2.0
100	64QAM	1	1	17.79	18.29	17.99		
100	256QAM	1	1	15.92	16.26	16.01	18.0	5.5
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	23.5	0.0
90	QPSK	1	120	21.10	21.54	21.21		
Channel				649334	656000	662668	23.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.19	21.69	21.22	23.5	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	23.5	0.0
70	QPSK	1	95	21.17	21.66	21.27		
Channel				648668	656000	663334	23.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	21.08	21.56	21.25	23.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	23.5	0.0
50	QPSK	1	67	21.23	21.64	21.21		
Channel				648000	656000	664000	23.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.24	21.62	21.25	23.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	23.5	0.0
30	QPSK	1	39	21.22	21.70	21.18		
Channel				647334	656000	664668	23.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.09	21.54	21.26	23.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	23.5	0.0
15	QPSK	1	19	21.26	21.83	21.14		
Channel				647000	656000	665000	23.5	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.10	21.70	21.25	23.5	0.0

Part270 n78 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				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	20.45				
100	PV2 BPSK	1	137	21.08			22.5	0.0
100	PV2 BPSK	1	271	20.68				
100	PV2 BPSK	135	0	20.96			22.0	0.5
100	PV2 BPSK	135	69	21.03			22.5	0.0
100	PV2 BPSK	135	138	21.26				
100	PV2 BPSK	270	0	21.10			22.0	0.5
100	QPSK	1	1	20.33				
100	QPSK	1	137	21.50			22.5	0.0
100	QPSK	1	271	20.77				
100	QPSK	135	0	20.97			22.0	0.5
100	QPSK	135	69	21.17			22.5	0.0
100	QPSK	135	138	21.10				
100	QPSK	270	0	20.91			22.0	0.5
100	16QAM	1	1	20.07			21.0	1.5
100	64QAM	1	1	20.14			21.0	1.5
100	256QAM	1	1	19.25			20.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.26	21.31	21.27	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.06	21.19	21.22	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.20	21.26	21.19	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.19	21.16	21.17	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.22	21.18	21.14	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.09	21.15	21.06	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.03	21.15	21.13	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.08	21.28	21.15	22.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.03	21.28	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.04	21.23	21.01	22.5	0.0

Part270 n78 PC2 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				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	21.36				
100	PV2 BPSK	1	137	22.07			23.5	0.0
100	PV2 BPSK	1	271	21.83				
100	PV2 BPSK	135	0	21.42			22.5	1.0
100	PV2 BPSK	135	69	21.90			23.5	0.0
100	PV2 BPSK	135	138	21.80				
100	PV2 BPSK	270	0	21.46			22.5	1.0
100	QPSK	1	1	21.12				
100	QPSK	1	137	22.15			23.5	0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	20.91			22.5	1.0
100	QPSK	135	69	22.13			23.5	0.0
100	QPSK	135	138	21.07				
100	QPSK	270	0	20.95			22.5	1.0
100	16QAM	1	1	20.64			22.0	1.5
100	64QAM	1	1	19.00			20.5	3.0
100	256QAM	1	1	17.06			18.5	5.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.94	22.05	22.02	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.88	21.87	21.79	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.86	21.85	21.83	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.84	21.81	21.79	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.87	21.80	21.92	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.85	21.83	21.80	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.71	21.84	21.84	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.84	21.91	21.99	23.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.75	22.00	21.75	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.69	21.80	21.85	23.5	0.0

Part270 n78 Main PA Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PV2 BPSK	1	1		20.54		23.0	0.0
100	PV2 BPSK	1	137		21.21			
100	PV2 BPSK	1	271		20.57			
100	PV2 BPSK	135	0		21.11		23.0	0.0
100	PV2 BPSK	135	69		21.35		23.0	0.0
100	PV2 BPSK	135	138		21.18		23.0	0.0
100	PV2 BPSK	270	0		21.14		23.0	0.0
100	QPSK	1	1		20.59			
100	QPSK	1	137		21.40			
100	QPSK	1	271		20.58			
100	QPSK	135	0		21.17		23.0	0.0
100	QPSK	135	69		21.35		23.0	0.0
100	QPSK	135	138		21.18		23.0	0.0
100	QPSK	270	0		21.17			
100	16QAM	1	1		20.37		22.0	1.0
100	64QAM	1	1		20.41		22.0	1.0
100	256QAM	1	1		19.48		21.0	2.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	21.27	21.15	21.35	23.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	21.35	21.34	21.19	23.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	21.21	21.15	21.29	23.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	21.16	21.23	21.13	23.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	21.31	21.31	21.26	23.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	21.35	21.20	21.20	23.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	21.29	21.26	21.22	23.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	21.17	21.16	21.15	23.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	21.18	21.34	21.21	23.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	21.36	21.35	21.18	23.0	0.0

Part270 n78 PC2 Main PA Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PV2 BPSK	1	1		21.62		24.5	0.0
100	PV2 BPSK	1	137		22.34			
100	PV2 BPSK	1	271		21.59			
100	PV2 BPSK	135	0		21.80		23.5	1.0
100	PV2 BPSK	135	69		22.31		24.5	0.0
100	PV2 BPSK	135	138		21.84		23.5	1.0
100	PV2 BPSK	270	0		21.79			
100	QPSK	1	1		21.52			
100	QPSK	1	137		22.54		24.5	0.0
100	QPSK	1	271		21.49			
100	QPSK	135	0		21.25			
100	QPSK	135	69		22.53		23.5	1.0
100	QPSK	135	138		21.32		24.5	0.0
100	QPSK	270	0		21.26		23.5	1.0
100	16QAM	1	1		20.81		23.0	1.5
100	64QAM	1	1		19.36		21.5	3.0
100	256QAM	1	1		16.53		18.5	6.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	22.47	22.41	22.51	24.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	22.37	22.29	22.50	24.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	22.45	22.40	22.32	24.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	22.43	22.37	22.40	24.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	22.35	22.37	22.42	24.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	22.31	22.35	22.31	24.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	22.48	22.42	22.51	24.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	22.42	22.35	22.36	24.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	22.49	22.38	22.35	24.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	22.31	22.51	22.46	24.5	0.0

n38 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	22.89	22.91	22.83	24.0	0.0
40	PV2 BPSK	1	53	22.82	22.85	22.78		
40	PV2 BPSK	1	104	22.42	22.47	22.44	23.5	0.5
40	PV2 BPSK	50	0	22.69	22.73	22.70		
40	PV2 BPSK	50	28	22.80	22.88	22.80	23.5	0.5
40	PV2 BPSK	50	56	22.37	22.46	22.36		
40	PV2 BPSK	100	0	22.61	22.67	22.63	24.0	0.0
40	QPSK	1	1	22.85	22.98	22.81		
40	QPSK	1	53	22.79	22.82	22.75	23.0	1.0
40	QPSK	1	104	22.39	22.46	22.37		
40	QPSK	50	0	22.19	22.24	22.20	24.0	0.0
40	QPSK	50	28	22.72	22.81	22.73		
40	QPSK	50	56	21.90	21.95	21.91	23.0	1.0
40	QPSK	100	0	22.08	22.13	22.07		
40	16QAM	1	1	21.54	21.63	21.59	23.0	1.0
40	64QAM	1	1	20.15	20.19	20.15		
40	256QAM	1	1	18.70	18.76	18.68	24.0	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	22.76	22.90	22.74		
Channel				516504	519000	521496	24.0	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.75	22.90	22.71	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	22.76	22.93	22.73		
Channel				515502	519000	522498	24.0	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.76	22.91	22.77	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0
10	QPSK	1	1	22.80	22.93	22.77		

n41 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	22.89	22.92	22.86	24.0	0.0
100	PV2 BPSK	1	137	22.79	22.89	22.85		
100	PV2 BPSK	1	271	22.14	22.21	22.12	23.5	0.5
100	PV2 BPSK	135	0	22.34	22.43	22.36		
100	PV2 BPSK	135	69	22.84	22.88	22.85	23.5	0.5
100	PV2 BPSK	135	138	22.62	22.69	22.63		
100	PV2 BPSK	270	0	22.81	22.86	22.83	24.0	0.0
100	QPSK	1	1	22.95	23.08	22.81		
100	QPSK	1	137	22.93	22.99	22.95	23.0	1.0
100	QPSK	1	271	22.06	22.14	22.12		
100	QPSK	135	0	22.81	22.89	22.87	24.0	0.0
100	QPSK	135	69	22.92	23.01	22.97		
100	QPSK	135	138	22.12	22.18	22.09	23.0	1.0
100	QPSK	270	0	22.45	22.55	22.48		
100	16QAM	1	1	22.00	22.04	21.98	23.0	1.0
100	64QAM	1	1	20.51	20.56	20.46		
100	256QAM	1	1	19.09	19.17	19.09	24.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	22.93	23.02	22.77		
Channel				507204	518598	529998	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.93	23.03	22.73	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	22.91	23.05	22.76		
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.85	23.01	22.78	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	22.89	23.05	22.77		
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.87	23.04	22.76	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	22.89	23.04	22.74		
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.88	23.01	22.74	24.0	0.0
Channel				500100	518598	536996		
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	0.0
15	QPSK	1	1	22.86	23.03	22.75		
Channel				500202	518598	537000	24.0	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.89	23.03	22.73	24.0	0.0

Part270 n77 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				650000	656000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.57	22.02	21.90		
100	PI/2 BPSK	1	137	22.46	22.77	22.69	23.5	0.5
100	PI/2 BPSK	1	271	22.07	22.32	22.10		
100	PI/2 BPSK	135	0	22.37	22.71	22.60		
100	PI/2 BPSK	135	69	22.66	22.92	22.69	23.0	1.0
100	PI/2 BPSK	135	138	22.66	22.87	22.74		
100	PI/2 BPSK	270	0	22.39	22.79	22.72		
100	QPSK	1	1	21.87	22.20	22.15	24.0	0.0
100	QPSK	1	137	22.68	22.93	22.67		
100	QPSK	1	271	22.01	22.22	22.08		
100	QPSK	135	0	22.27	22.64	22.37	23.0	1.0
100	QPSK	135	69	22.62	22.89	22.68		
100	QPSK	135	138	22.32	22.75	22.61		
100	QPSK	270	0	22.33	22.68	22.46	23.0	1.0
100	16QAM	1	1	21.52	21.78	21.62		
100	64QAM	1	1	21.62	21.87	21.64		
100	256QAM	1	1	20.70	20.96	20.78	21.5	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	22.61	22.77	22.57		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	22.44	22.70	22.55		
Channel				645000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	22.60	22.70	22.44		
Channel				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	22.65	22.71	22.45		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	22.52	22.73	22.45		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.42	22.75	22.48		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	22.42	22.80	22.61		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.54	22.80	22.44		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.59	22.72	22.57		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.56	22.75	22.60		

Part270 n77 PC2 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				650000	656000	662000	26.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.63	23.79	23.67		
100	PI/2 BPSK	1	137	24.51	24.65	24.48	26.0	0.5
100	PI/2 BPSK	1	271	23.88	24.03	23.87		
100	PI/2 BPSK	135	0	23.84	24.06	23.97		
100	PI/2 BPSK	135	69	24.55	24.65	24.53	26.0	0.5
100	PI/2 BPSK	135	138	23.96	24.10	24.02		
100	PI/2 BPSK	270	0	23.93	24.13	23.96		
100	QPSK	1	1	23.62	23.84	23.72	26.5	0.0
100	QPSK	1	137	24.68	24.80	24.67		
100	QPSK	1	271	23.96	23.99	23.91		
100	QPSK	135	0	23.31	23.54	23.51	25.5	1.0
100	QPSK	135	69	24.52	24.73	24.69		
100	QPSK	135	138	23.44	23.63	23.39		
100	QPSK	270	0	23.47	23.55	23.29	25.5	1.0
100	16QAM	1	1	22.83	23.09	22.94		
100	64QAM	1	1	21.32	21.51	21.26		
100	256QAM	1	1	18.48	18.60	18.38	20.5	6.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	24.52	24.55	24.58		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	24.54	24.72	24.54		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	24.51	24.67	24.52		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	24.58	24.75	24.59		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	24.65	24.81	24.54		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	24.59	24.74	24.58		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	24.58	24.71	24.57		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	24.59	24.76	24.51		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	24.51	24.75	24.56		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	24.53	24.56	24.54		

Part270 n78 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.72				
100	PI/2 BPSK	1	137	23.27			24.0	0.0
100	PI/2 BPSK	1	271	22.79				
100	PI/2 BPSK	135	0	23.30			24.0	0.0
100	PI/2 BPSK	135	69	23.28			24.0	0.0
100	PI/2 BPSK	135	138	23.33				
100	PI/2 BPSK	270	0	23.30			24.0	0.0
100	QPSK	1	1	22.76				
100	QPSK	1	137	23.41			24.0	0.0
100	QPSK	1	271	22.76				
100	QPSK	135	0	23.31			24.0	0.0
100	QPSK	135	69	23.33			24.0	0.0
100	QPSK	135	138	23.26				
100	QPSK	270	0	23.27			24.0	0.0
100	16QAM	1	1	22.49			24.0	0.0
100	64QAM	1	1	22.48			24.0	0.0
100	256QAM	1	1	21.62			22.5	1.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	23.18	23.23	23.32	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	23.22	23.37	23.17	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	23.15	23.14	23.36	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	23.23	23.26	23.23	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	23.33	23.28	23.19	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	23.25	23.36	23.23	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	23.15	23.15	23.22	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	23.19	23.26	23.19	24.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	23.16	23.32	23.29	24.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	23.26	23.23	23.36	24.0	0.0

Part270 n78 PC2 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	24.07				
100	PI/2 BPSK	1	137	24.79			26.5	0.0
100	PI/2 BPSK	1	271	24.15				
100	PI/2 BPSK	135	0	24.20			26.0	0.5
100	PI/2 BPSK	135	69	24.85			26.5	0.0
100	PI/2 BPSK	135	138	24.22				
100	PI/2 BPSK	270	0	24.24			26.0	0.5
100	QPSK	1	1	24.04				
100	QPSK	1	137	24.88			26.5	0.0
100	QPSK	1	271	24.05				
100	QPSK	135	0	23.71			25.5	1.0
100	QPSK	135	69	24.78			26.5	0.0
100	QPSK	135	138	23.78				
100	QPSK	270	0	23.76			25.5	1.0
100	16QAM	1	1	23.35			25.5	1.0
100	64QAM	1	1	21.79			24.0	2.5
100	256QAM	1	1	19.01			22.0	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	24.84	24.74	24.65	26.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	24.65	24.66	24.67	26.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	24.77	24.73	24.63	26.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	24.63	24.67	24.64	26.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	24.75	24.80	24.71	26.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	24.82	24.74	24.78	26.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	24.80	24.67	24.77	26.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	24.77	24.69	24.70	26.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	24.82	24.69	24.73	26.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	24.68	24.74	24.69	26.5	0.0

Part270 n77 Main 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				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.63	19.96	19.61		
100	PI/2 BPSK	1	137	19.96	20.39	20.25	22.5	0.0
100	PI/2 BPSK	1	271	19.50	19.79	19.82		
100	PI/2 BPSK	135	0	20.03	20.37	20.30		
100	PI/2 BPSK	135	69	20.07	20.60	20.30	22.5	0.0
100	PI/2 BPSK	135	138	20.03	20.38	20.15		
100	PI/2 BPSK	270	0	20.27	20.37	20.22		
100	QPSK	1	1	19.76	20.04	19.88	22.5	0.0
100	QPSK	1	137	20.33	20.67	20.41		
100	QPSK	1	271	19.70	20.06	19.95		
100	QPSK	135	0	20.25	20.52	20.38	22.5	0.0
100	QPSK	135	69	20.26	20.62	20.41		
100	QPSK	135	138	20.17	20.45	20.41		
100	QPSK	270	0	20.32	20.53	20.44	22.5	0.0
100	16QAM	1	1	19.46	19.73	19.45		
100	64QAM	1	1	19.38	19.75	19.70		
100	256QAM	1	1	18.60	18.94	18.85	20.0	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	20.29	20.62	20.36		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.26	20.42	20.33		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.25	20.58	20.33		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.24	20.40	20.19		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.21	20.44	20.21		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.16	20.61	20.32		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	20.25	20.47	20.16		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.22	20.58	20.22		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	20.11	20.46	20.15		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.28	20.56	20.17		

Part270 n77 PC2 Main 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				650000	656000	662000	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.16	21.57	21.32		
100	PI/2 BPSK	1	137	21.83	22.10	21.83	24.0	0.5
100	PI/2 BPSK	1	271	21.29	21.73	21.52		
100	PI/2 BPSK	135	0	21.49	21.78	21.40		
100	PI/2 BPSK	135	69	22.12	22.13	22.27	24.0	0.5
100	PI/2 BPSK	135	138	21.69	21.93	21.68		
100	PI/2 BPSK	270	0	21.61	21.84	21.57		
100	QPSK	1	1	21.14	21.48	21.22	24.5	0.0
100	QPSK	1	137	22.27	22.55	22.42		
100	QPSK	1	271	21.44	21.83	21.88		
100	QPSK	135	0	21.15	21.45	21.29	23.5	1.0
100	QPSK	135	69	22.19	22.63	22.27		
100	QPSK	135	138	21.15	21.56	21.31		
100	QPSK	270	0	21.33	21.55	21.36	23.5	1.0
100	16QAM	1	1	20.56	20.88	20.71		
100	64QAM	1	1	18.93	19.37	19.15		
100	256QAM	1	1	16.94	17.29	16.93	20.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	22.09	22.47	22.17		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	22.06	22.37	22.24		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	22.03	22.39	22.18		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	22.09	22.46	22.22		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	22.06	22.48	22.25		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	22.08	22.41	22.15		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	22.09	22.37	22.16		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	22.07	22.47	22.23		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	22.04	22.42	22.20		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	22.09	22.40	22.13		

Reduced Power Mode for Main PA ECI2

n5 Ant0 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300	167300	167300	24.0	0.0	
Frequency (MHz)				836.5	836.5	836.5			
25	PI/2 BPSK	1	1		22.86		24.0	0.0	
25	PI/2 BPSK	1	64		22.83				
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38		23.5	0.5	
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	65		22.37		23.5	0.5	
25	PI/2 BPSK	128	0		22.37				
25	QPSK	1	1		22.92		24.0	0.0	
25	QPSK	1	64		22.84				
25	QPSK	1	131		22.75				
25	QPSK	64	0		21.89		23.0	1.0	
25	QPSK	64	33		22.87		24.0	0.0	
25	QPSK	64	65		21.83		23.0	1.0	
25	QPSK	128	0		21.84				
25	16QAM	1	1		21.74		23.0	1.0	
25	64QAM	1	1		20.04		21.5	2.5	
25	256QAM	1	1		18.71		19.5	4.5	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1		22.64	22.74	22.52	24.0	
Channel				166300	167300	168300	24.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1		22.69	22.84	22.62	24.0	
Channel				165800	167300	168800	24.0	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1		22.72	22.77	22.59	24.0	
Channel				165300	167300	169300	24.0	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1		22.64	22.66	22.61	24.0	

n26 Ant0 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	PI/2 BPSK	1	1		22.70	22.89	22.76	24.0	0.0
20	PI/2 BPSK	1	53		22.69	22.86	22.71		
20	PI/2 BPSK	1	104		22.57	22.77	22.68		
20	PI/2 BPSK	50	0		22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	28		22.68	22.87	22.75	24.0	0.0
20	PI/2 BPSK	50	56		22.23	22.45	22.31	23.5	0.5
20	PI/2 BPSK	100	0		22.32	22.51	22.37		
20	QPSK	1	1		22.76	22.94	22.81	24.0	0.0
20	QPSK	1	53		22.71	22.89	22.79		
20	QPSK	1	104		22.53	22.74	22.62		
20	QPSK	50	0		21.79	21.98	21.83	23.0	1.0
20	QPSK	50	28		22.70	22.89	22.75	24.0	0.0
20	QPSK	50	56		21.67	21.91	21.84	23.0	1.0
20	QPSK	100	0		21.79	21.96	21.82		
20	16QAM	1	1		21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1		19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1		18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	24.0	0.0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1		22.68	22.80	22.70	24.0	
Channel				163800	166300	168800	24.0	0.0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1		22.69	22.85	22.70	24.0	
Channel				163300	166300	169300	24.0	0.0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1		22.71	22.81	22.69	24.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.85	22.95	22.80	24.0	0.0
50	PI/2 BPSK	1	135	22.73	22.85	22.65		
50	PI/2 BPSK	1	268	22.49	22.55	22.36		
50	PI/2 BPSK	135	0	22.19	22.31	22.14		
50	PI/2 BPSK	135	68	22.29	22.41	22.19	24.0	0.0
50	PI/2 BPSK	135	135	22.23	22.34	22.16	23.5	0.5
50	PI/2 BPSK	270	0	22.22	22.33	22.14		
50	QPSK	1	1	22.69	22.98	22.81	24.0	0.0
50	QPSK	1	135	22.66	22.79	22.55		
50	QPSK	1	268	22.38	22.47	22.25		
50	QPSK	135	0	21.69	21.81	21.61		
50	QPSK	135	68	22.82	22.93	22.70	23.0	1.0
50	QPSK	135	135	21.70	21.82	21.57	24.0	0.0
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0
50	QPSK	270	0	21.66	21.78	21.54	23.0	1.0
50	16QAM	1	1	21.10	21.19	21.07		
50	64QAM	1	1	19.81	19.90	19.72	21.5	2.5
50	256QAM	1	1	18.49	18.59	18.38	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	22.83	22.86	22.69		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.83	22.83	22.74		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.83	22.88	22.68		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.76	22.84	22.69		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.80	22.90	22.68		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.79	22.87	22.74		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.77	22.89	22.72		

Part270 n77 Main PA Ant1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.71	20.67	20.76	22.5	0.0
100	PI/2 BPSK	1	137	19.19	19.82	19.77		
100	PI/2 BPSK	1	271	19.76	19.88	19.77		
100	PI/2 BPSK	135	0	20.49	20.46	20.30		
100	PI/2 BPSK	135	69	20.69	20.72	20.50		
100	PI/2 BPSK	135	138	20.39	20.34	20.33		
100	PI/2 BPSK	270	0	20.35	20.26	20.20	22.5	0.0
100	QPSK	1	1	19.46	20.01	19.85		
100	QPSK	1	137	20.83	20.65	20.81		
100	QPSK	1	271	19.90	19.97	19.93		
100	QPSK	135	0	20.53	20.59	20.55		
100	QPSK	135	69	20.75	20.78	20.70		
100	QPSK	135	138	20.54	20.59	20.57	22.5	0.0
100	QPSK	270	0	20.43	20.53	20.47		
100	16QAM	1	1	20.48	20.56	20.68		
100	64QAM	1	1	20.46	20.57	20.72		
100	256QAM	1	1	20.52	20.47	20.68		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	20.47	20.50	20.52	22.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.60	20.46	20.72	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.63	20.51	20.65	22.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.49	20.47	20.57	22.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.62	20.55	20.66	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.46	20.60	20.57	22.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	20.57	20.63	20.50	22.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.59	20.45	20.60	22.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	19	20.65	20.56	20.51	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.80	20.58	20.72	22.5	0.0

Part270 n77 PC2 Main PA Ant1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.57	20.11	23.5	0.0
100	PI/2 BPSK	1	137	21.06	21.55	21.12		
100	PI/2 BPSK	1	271	19.72	20.15	19.76		
100	PI/2 BPSK	135	0	20.52	20.97	20.54		
100	PI/2 BPSK	135	69	20.90	21.48	21.20		
100	PI/2 BPSK	135	138	20.53	21.08	20.60		
100	PI/2 BPSK	270	0	20.56	20.95	20.59	22.5	1.0
100	QPSK	1	1	20.04	20.58	20.22		
100	QPSK	1	137	21.35	21.75	21.39		
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96		
100	QPSK	135	69	21.00	21.52	21.20		
100	QPSK	135	138	20.05	20.51	20.19	22.5	0.0
100	QPSK	270	0	19.91	20.59	19.96		
100	16QAM	1	1	19.17	19.76	19.41		
100	64QAM	1	1	17.79	18.29	17.99		
100	256QAM	1	1	15.92	16.26	16.01		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	21.10	21.54	21.21	23.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.19	21.69	21.22	23.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	21.17	21.66	21.27	23.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	21.09	21.56	21.25	23.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	21.23	21.64	21.21	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.24	21.62	21.25	23.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	21.22	21.70	21.18	23.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.09	21.54	21.26	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	21.26	21.63	21.14	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.10	21.70	21.25	23.5	0.0

Part270 n78 Main PA Ant1 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		20.45		22.5	0.0
100	PI/2 BPSK	1	137		21.08			
100	PI/2 BPSK	1	271		20.68			
100	PI/2 BPSK	135	0		20.96			
100	PI/2 BPSK	135	69		21.03		22.5	0.0
100	PI/2 BPSK	135	138		21.26		22.0	0.5
100	PI/2 BPSK	270	0		21.10			
100	QPSK	1	1		20.33		22.5	0.0
100	QPSK	1	137		21.50			
100	QPSK	1	271		20.77			
100	QPSK	135	0		20.97			
100	QPSK	135	69		21.17		22.5	0.0
100	QPSK	135	138		21.10		22.0	0.5
100	QPSK	270	0		20.91			
100	16QAM	1	1		20.07		21.0	1.5
100	64QAM	1	1		20.14		21.0	1.5
100	256QAM	1	1		19.25		20.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120		21.20	21.31	21.27	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		21.00	21.10	21.22	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		21.20	21.25	21.19	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		21.19	21.16	21.17	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		21.22	21.18	21.14	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		21.09	21.15	21.06	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		21.03	21.15	21.13	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		21.09	21.28	21.15	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		21.03	21.28	21.18	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		21.04	21.23	21.01	0.0

Part270 n78 PC2 Main PA Ant1 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		21.36		23.5	0.0
100	PI/2 BPSK	1	137		22.07			
100	PI/2 BPSK	1	271		21.63			
100	PI/2 BPSK	135	0		21.42			
100	PI/2 BPSK	135	69		21.90		22.5	1.0
100	PI/2 BPSK	135	138		21.60		22.5	1.0
100	PI/2 BPSK	270	0		21.46			
100	QPSK	1	1		21.12		23.5	0.0
100	QPSK	1	137		22.15			
100	QPSK	1	271		21.50			
100	QPSK	135	0		20.91			
100	QPSK	135	69		22.13		22.5	0.0
100	QPSK	135	138		21.07		22.5	1.0
100	QPSK	270	0		20.95			
100	16QAM	1	1		20.64		22.0	1.5
100	64QAM	1	1		19.90		20.5	3.0
100	256QAM	1	1		17.06		18.5	5.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120		21.04	22.05	22.02	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		21.69	21.97	21.79	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		21.86	21.95	21.83	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		21.84	21.81	21.79	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		21.67	21.80	21.92	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		21.85	21.83	21.80	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		21.71	21.84	21.84	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		21.84	21.91	21.99	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		21.75	22.00	21.75	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		21.69	21.80	21.85	0.0

Part270 n78 Main PA Ant2 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		20.54		23.0	0.0
100	PI/2 BPSK	1	137		21.21			
100	PI/2 BPSK	1	271		20.57			
100	PI/2 BPSK	135	0		21.11			
100	PI/2 BPSK	135	69		21.35		23.0	0.0
100	PI/2 BPSK	135	138		21.18		23.0	0.0
100	PI/2 BPSK	270	0		21.14			
100	QPSK	1	1		20.59		23.0	0.0
100	QPSK	1	137		21.40			
100	QPSK	1	271		20.58			
100	QPSK	135	0		21.17			
100	QPSK	135	69		21.35		23.0	0.0
100	QPSK	135	138		21.18		23.0	0.0
100	QPSK	270	0		21.17			
100	16QAM	1	1		20.37		22.0	1.0
100	64QAM	1	1		20.41		22.0	1.0
100	256QAM	1	1		19.48		21.0	2.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120		21.27	21.15	21.35	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		21.35	21.34	21.19	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95		21.21	21.15	21.29	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		21.10	21.23	21.13	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		21.31	21.31	21.26	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		21.35	21.20	21.20	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39		21.29	21.26	21.22	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		21.17	21.16	21.15	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		21.18	21.34	21.21	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		21.36	21.35	21.18	0.0

Part270 n78 PC2 Main PA Ant2 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		21.62		24.5	0.0
100	PI/2 BPSK	1	137		22.34			
100	PI/2 BPSK	1	271		21.59			
100	PI/2 BPSK	135	0		21.80			
100	PI/2 BPSK	135	69		22.31		23.5	1.0
100	PI/2 BPSK	135	138		21.84		23.5	1.0
100	PI/2 BPSK	270	0		21.79			
100	QPSK	1	1		21.52		24.5	0.0
100	QPSK	1	137		22.54			
100	QPSK	1	271		21.49			
100	QPSK	135	0		21.25			
100	QPSK	135	69		22.53		23.5	1.0
100	QPSK	135	138		21.32		23.5	1.0
100	QPSK	270	0		21.26			
100	16QAM	1	1		20.81		23.0	1.5
100	64QAM	1	1		19.36		21.5	3.0
100	256QAM	1	1		16.53		15.5	6.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120		22.47	22.41	22.51	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		22.37	22.29	22.50	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95		22.45	22.46	22.32	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		22.43	22.37	22.40	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		22.35	22.37	22.42	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		22.31	22.35	22.31	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39		22.48	22.42	22.51	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		22.42	22.35	22.36	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		22.49	22.38	22.35	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		22.31	22.51	22.46	0.0

n38 Main PA Ant4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	16.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	14.70	14.84	14.71	16.0	0.0
40	PI/2 BPSK	1	53	14.40	14.74	14.52		
40	PI/2 BPSK	1	104	14.06	14.13	14.06		
40	PI/2 BPSK	50	0	14.38	14.38	14.43		
40	PI/2 BPSK	50	28	14.58	14.75	14.66	16.0	0.0
40	PI/2 BPSK	50	56	14.07	14.04	14.08	16.0	0.0
40	PI/2 BPSK	100	0	14.29	14.60	14.45		
40	QPSK	1	1	14.78	14.95	14.87	16.0	0.0
40	QPSK	1	53	14.74	14.87	14.84		
40	QPSK	1	104	14.09	14.04	14.07		
40	QPSK	50	0	14.60	14.56	14.59		
40	QPSK	50	28	14.61	14.80	14.67	16.0	0.0
40	QPSK	50	56	14.09	14.05	14.08	16.0	0.0
40	QPSK	100	0	14.31	14.68	14.56		
40	16QAM	1	1	14.33	14.66	14.53	16.0	0.0
40	64QAM	1	1	14.40	14.74	14.66	16.0	0.0
40	256QAM	1	1	14.60	14.61	14.65	16.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	16.0	0.0
30	QPSK	1	1	14.60	14.70	14.73	16.0	0.0
Channel				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48	16.0	0.0
25	QPSK	1	1	14.57	14.84	14.82	16.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	16.0	0.0
20	QPSK	1	1	14.50	14.86	14.82	16.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	16.0	0.0
15	QPSK	1	1	14.57	14.92	14.61	16.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	16.0	0.0
10	QPSK	1	1	14.56	14.77	14.77	16.0	0.0

n41 Main PA Ant4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	16.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.83	14.92	14.80	16.0	0.0
100	PI/2 BPSK	1	137	14.66	14.81	14.79		
100	PI/2 BPSK	1	271	14.19	14.10	14.01		
100	PI/2 BPSK	135	0	14.61	14.62	14.64		
100	PI/2 BPSK	135	69	14.67	14.79	14.82	16.0	0.0
100	PI/2 BPSK	135	138	14.15	14.01	14.19	16.0	0.0
100	PI/2 BPSK	270	0	14.39	14.78	14.57		
100	QPSK	1	1	14.88	15.05	14.92	16.0	0.0
100	QPSK	1	137	14.85	14.90	14.90		
100	QPSK	1	271	14.07	14.19	14.11		
100	QPSK	135	0	14.74	14.81	14.81		
100	QPSK	135	69	14.71	14.97	14.86	16.0	0.0
100	QPSK	135	138	14.16	14.10	14.02	16.0	0.0
100	QPSK	270	0	14.54	14.84	14.73		
100	16QAM	1	1	14.52	14.81	14.77	16.0	0.0
100	64QAM	1	1	14.59	14.80	14.72	16.0	0.0
100	256QAM	1	1	14.66	14.82	14.71	16.0	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	16.0	0.0
90	QPSK	1	1	14.42	14.59	14.68	16.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	16.0	0.0
80	QPSK	1	1	14.27	14.62	14.61	16.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	16.0	0.0
70	QPSK	1	1	14.35	14.77	14.61	16.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	16.0	0.0
60	QPSK	1	1	14.28	14.60	14.57	16.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	16.0	0.0
50	QPSK	1	1	14.31	14.69	14.53	16.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	16.0	0.0
40	QPSK	1	1	14.32	14.79	14.49	16.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	16.0	0.0
30	QPSK	1	1	14.48	14.60	14.56	16.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	16.0	0.0
20	QPSK	1	1	14.50	14.59	14.65	16.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	16.0	0.0
15	QPSK	1	1	14.27	14.64	14.48	16.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	16.0	0.0
10	QPSK	1	1	14.46	14.77	14.57	16.0	0.0

Reduced Power Mode for Main PA EC13

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300			24.0	0.0	
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	22.86					
25	PI/2 BPSK	1	64	22.83					
25	PI/2 BPSK	1	131	22.77			23.5	0.5	
25	PI/2 BPSK	64	0	22.38					
25	PI/2 BPSK	64	33	22.81					
25	PI/2 BPSK	64	65	22.37					
25	PI/2 BPSK	128	0	22.37			24.0	0.0	
25	QPSK	1	1	22.92					
25	QPSK	1	131	22.75					
25	QPSK	64	0	21.89					
25	QPSK	64	33	22.87			23.0	1.0	
25	QPSK	64	65	21.83					
25	QPSK	128	0	21.84					
25	16QAM	1	1	21.74			21.5	2.5	
25	64QAM	1	1	20.04					
25	256QAM	1	1	18.71					
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0	

n26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	PI/2 BPSK	1	1	22.70	22.89	22.76			
20	PI/2 BPSK	1	53	22.69	22.86	22.71			
20	PI/2 BPSK	1	104	22.57	22.77	22.68	23.5	0.5	
20	PI/2 BPSK	50	0	22.38	22.56	22.48			
20	PI/2 BPSK	50	28	22.68	22.87	22.75			
20	PI/2 BPSK	50	56	22.23	22.45	22.31			
20	PI/2 BPSK	100	0	22.32	22.51	22.37	24.0	0.0	
20	QPSK	1	1	22.76	22.94	22.81			
20	QPSK	1	53	22.71	22.89	22.79			
20	QPSK	1	104	22.53	22.74	22.62			
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0	
20	QPSK	50	28	22.70	22.89	22.75			
20	QPSK	50	56	21.67	21.91	21.84			
20	QPSK	100	0	21.79	21.96	21.82			
20	16QAM	1	1	21.31	21.56	21.43	21.5	2.5	
20	64QAM	1	1	19.87	20.08	19.99			
20	256QAM	1	1	18.51	18.71	18.64			
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	24.0	0.0	
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24.0	0.0	
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24.0	0.0	
5	QPSK	1	1	22.71	22.81	22.89	24.0	0.0	

n7 Ant1 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.21	18.38	18.14	19.5	0.0
50	PI/2 BPSK	1	135	18.31	18.45	18.17		
50	PI/2 BPSK	1	268	18.32	18.46	18.19		
50	PI/2 BPSK	135	0	18.19	18.37	18.12	19.5	0.0
50	PI/2 BPSK	135	68	18.22	18.51	18.21	19.5	0.0
50	PI/2 BPSK	135	135	18.20	18.29	18.13	19.5	0.0
50	PI/2 BPSK	270	0	18.33	18.35	18.31	19.5	0.0
50	QPSK	1	1	18.27	18.52	18.32		
50	QPSK	1	135	18.42	18.48	18.48		
50	QPSK	1	268	18.18	18.48	18.18	19.5	0.0
50	QPSK	135	0	18.41	18.30	18.39	19.5	0.0
50	QPSK	135	68	18.33	18.42	18.18	19.5	0.0
50	QPSK	135	135	18.40	18.34	18.12	19.5	0.0
50	QPSK	270	0	18.38	18.39	18.34	19.5	0.0
50	16QAM	1	1	18.21	18.48	18.27	19.5	0.0
50	64QAM	1	1	18.29	18.27	18.15	19.5	0.0
50	256QAM	1	1	18.40	18.28	18.24	19.5	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.21	18.38	18.22	19.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.14	18.42	18.17	19.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.16	18.34	18.25	19.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.22	18.32	18.28	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.20	18.30	18.14	19.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.27	18.38	18.18	19.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.13	18.47	18.12	19.5	0.0

Part270 n78 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				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	20.45				
100	PV2 BPSK	1	137	21.08			22.5	0.0
100	PV2 BPSK	1	271	20.68				
100	PV2 BPSK	135	0	20.96			22.0	0.5
100	PV2 BPSK	135	69	21.03			22.5	0.0
100	PV2 BPSK	135	138	21.26				
100	PV2 BPSK	270	0	21.10			22.0	0.5
100	QPSK	1	1	20.33				
100	QPSK	1	137	21.50			22.5	0.0
100	QPSK	1	271	20.77				
100	QPSK	135	0	20.97			22.0	0.5
100	QPSK	135	69	21.17			22.5	0.0
100	QPSK	135	138	21.10				
100	QPSK	270	0	20.91			22.0	0.5
100	16QAM	1	1	20.07			21.0	1.5
100	64QAM	1	1	20.14			21.0	1.5
100	256QAM	1	1	19.25			20.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.26	21.31	21.27	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.06	21.19	21.22	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.20	21.26	21.19	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.19	21.16	21.17	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.22	21.18	21.14	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.09	21.15	21.06	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.03	21.15	21.13	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.08	21.28	21.15	22.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.03	21.28	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.04	21.23	21.01	22.5	0.0

Part270 n78 PC2 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				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	21.36				
100	PV2 BPSK	1	137	22.07			23.5	0.0
100	PV2 BPSK	1	271	21.83				
100	PV2 BPSK	135	0	21.42			22.5	1.0
100	PV2 BPSK	135	69	21.90			23.5	0.0
100	PV2 BPSK	135	138	21.80				
100	PV2 BPSK	270	0	21.46			22.5	1.0
100	QPSK	1	1	21.12				
100	QPSK	1	137	22.15			23.5	0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	20.81			22.5	1.0
100	QPSK	135	69	22.13			23.5	0.0
100	QPSK	135	138	21.07				
100	QPSK	270	0	20.95			22.5	1.0
100	16QAM	1	1	20.64			22.0	1.5
100	64QAM	1	1	19.00			20.5	3.0
100	256QAM	1	1	17.06			18.5	5.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.84	22.05	22.02	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.88	21.87	21.79	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.86	21.85	21.83	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.84	21.81	21.79	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.87	21.80	21.92	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.85	21.83	21.80	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.71	21.84	21.84	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.84	21.91	21.99	23.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.75	22.00	21.75	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.69	21.80	21.85	23.5	0.0

n38 Main PA Ant4 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	15.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	14.18	14.43	14.21	15.5	0.0	
40	PI/2 BPSK	1	53	14.28	14.31	14.20			
40	PI/2 BPSK	1	104	14.24	14.44	14.28	15.5	0.0	
40	PI/2 BPSK	50	0	14.34	14.49	14.29			
40	PI/2 BPSK	50	28	14.37	14.43	14.28	15.5	0.0	
40	PI/2 BPSK	50	56	14.34	14.33	14.36			
40	PI/2 BPSK	100	0	14.24	14.48	14.17	15.5	0.0	
40	QPSK	1	1	14.43	14.52	14.46			
40	QPSK	1	53	14.27	14.33	14.20	15.5	0.0	
40	QPSK	1	104	14.23	14.34	14.30			
40	QPSK	50	0	14.44	14.43	14.43	15.5	0.0	
40	QPSK	50	28	14.41	14.49	14.19			
40	QPSK	50	56	14.23	14.36	14.29	15.5	0.0	
40	QPSK	100	0	14.39	14.42	14.34			
40	16QAM	1	1	14.27	14.34	14.21	15.5	0.0	
40	64QAM	1	1	14.22	14.42	14.18			
40	256QAM	1	1	14.19	14.47	14.34	15.5	0.0	
Channel				517002	519000	520998		MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	14.31	14.48	14.35	15.5	0.0	
Channel				516504	519000	521496		MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	14.37	14.49	14.40	15.5	0.0	
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	14.38	14.48	14.39	15.5	0.0	
Channel				515592	519000	522498		MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	14.41	14.45	14.43	15.5	0.0	
Channel				515004	519000	522996		MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	14.29	14.47	14.36	15.5	0.0	

n41 Main PA Ant4 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	15.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.40	14.56	14.24	15.5	0.0	
100	PI/2 BPSK	1	137	14.36	14.51	14.34			
100	PI/2 BPSK	1	271	14.44	14.51	14.20	15.5	0.0	
100	PI/2 BPSK	135	0	14.32	14.53	14.22			
100	PI/2 BPSK	135	69	14.41	14.57	14.27	15.5	0.0	
100	PI/2 BPSK	135	138	14.45	14.54	14.24			
100	PI/2 BPSK	270	0	14.34	14.52	14.23	15.5	0.0	
100	QPSK	1	1	14.42	14.59	14.46			
100	QPSK	1	137	14.34	14.56	14.27	15.5	0.0	
100	QPSK	1	271	14.40	14.57	14.23			
100	QPSK	135	0	14.30	14.55	14.35	15.5	0.0	
100	QPSK	135	69	14.56	14.58	14.48			
100	QPSK	135	138	14.43	14.55	14.34	15.5	0.0	
100	QPSK	270	0	14.41	14.49	14.46			
100	16QAM	1	1	14.49	14.47	14.17	15.5	0.0	
100	64QAM	1	1	14.46	14.50	14.22			
100	256QAM	1	1	14.38	14.43	14.29	15.5	0.0	
Channel				508200	518598	528996		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.32	14.50	14.39	15.5	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.33	14.51	14.34	15.5	0.0	
Channel				506202	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	14.30	14.48	14.36	15.5	0.0	
Channel				505200	518598	531996		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.29	14.49	14.42	15.5	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	14.34	14.51	14.37	15.5	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.33	14.46	14.38	15.5	0.0	
Channel				502200	518598	534996		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	14.39	14.49	14.32	15.5	0.0	
Channel				501204	518598	535998		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.34	14.52	14.38	15.5	0.0	
Channel				500200	518598	536996		MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	14.29	14.52	14.42	15.5	0.0	
Channel				500202	518598	537000		MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	14.29	14.57	14.36	15.5	0.0	

Reduced Power Mode for Main PA ECI4

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300			24.0	0.0	
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	22.86					
25	PI/2 BPSK	1	64	22.83					
25	PI/2 BPSK	1	131	22.77			23.5	0.5	
25	PI/2 BPSK	64	0	22.38					
25	PI/2 BPSK	64	33	22.81					
25	PI/2 BPSK	64	65	22.37					
25	PI/2 BPSK	128	0	22.37			24.0	0.0	
25	QPSK	1	1	22.92					
25	QPSK	1	131	22.75					
25	QPSK	64	0	21.89					
25	QPSK	64	33	22.87			23.0	1.0	
25	QPSK	64	65	21.83					
25	QPSK	128	0	21.84					
25	16QAM	1	1	21.74			21.5	2.5	
25	64QAM	1	1	20.04					
25	256QAM	1	1	18.71					
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0	

n26 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				164800	166300	167800	24.0	0.0			
Frequency (MHz)				824	831.5	839					
20	PI/2 BPSK	1	1	22.70	22.89	22.76	23.5				
20	PI/2 BPSK	1	53	22.69	22.86	22.71					
20	PI/2 BPSK	1	104	22.57	22.77	22.68					
20	PI/2 BPSK	50	0	22.38	22.56	22.48					
20	PI/2 BPSK	50	28	22.68	22.87	22.75	24.0				
20	PI/2 BPSK	50	56	22.23	22.45	22.31					
20	PI/2 BPSK	100	0	22.32	22.51	22.37			23.5		
20	QPSK	1	1	22.76	22.94	22.81					
20	QPSK	1	53	22.71	22.89	22.79	24.0				
20	QPSK	1	104	22.53	22.74	22.62					
20	QPSK	50	0	21.79	21.98	21.83			23.0		
20	QPSK	50	28	22.70	22.89	22.75					
20	QPSK	50	56	21.67	21.91	21.84	23.0				
20	QPSK	100	0	21.79	21.96	21.82					
20	16QAM	1	1	21.31	21.56	21.43			23.0		
20	64QAM	1	1	19.87	20.08	19.99				21.5	
20	256QAM	1	1	18.51	18.71	18.64	19.5				
Channel				164300	166300	168300					Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	1	22.68	22.80	22.70			24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				819	831.5	844					
10	QPSK	1	1	22.69	22.85	22.70	24.0		0.0		
Channel				163300	166300	169300	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	1	22.71	22.81	22.69	24.0		0.0		

n7 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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.85	22.95	22.80	24.0	0.0	
50	PI/2 BPSK	1	135	22.73	22.85	22.65			
50	PI/2 BPSK	1	268	22.49	22.55	22.36			
50	PI/2 BPSK	135	0	22.19	22.31	22.14			
50	PI/2 BPSK	135	68	22.29	22.41	22.19	23.5	0.5	
50	PI/2 BPSK	135	135	22.23	22.34	22.16	23.5	0.5	
50	PI/2 BPSK	270	0	22.22	22.33	22.14			
50	QPSK	1	1	22.89	22.98	22.81	24.0	0.0	
50	QPSK	1	135	22.66	22.79	22.55			
50	QPSK	1	268	22.38	22.47	22.25			
50	QPSK	135	0	21.69	21.81	21.61			
50	QPSK	135	68	22.82	22.93	22.70	23.0	0.0	
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0	
50	QPSK	270	0	21.66	21.78	21.54			
50	16QAM	1	1	21.10	21.19	21.07	23.0	1.0	
50	64QAM	1	1	19.81	19.90	19.72			
50	256QAM	1	1	18.49	18.59	18.38	21.5	2.5	
Channel				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.83	22.86	22.69	21.5	2.5	
Channel				503000	507000	511000	24.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.83	22.83	22.74	21.5	2.5	
Channel				502500	507000	511500	24.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.83	22.88	22.68	21.5	2.5	
Channel				502000	507000	512000	24.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.76	22.84	22.69	21.5	2.5	
Channel				501500	507000	512500	24.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.80	22.90	22.68	21.5	2.5	
Channel				501000	507000	513000	24.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.79	22.87	22.74	21.5	2.5	
Channel				500500	507000	513500	24.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.77	22.89	22.72	21.5	2.5	

Part270 n78 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				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
100	PV2 BPSK	1	1	21.26	21.31	21.27	22.5	0.0
100	PV2 BPSK	1	137	649334	650000	650668	Tune-up limit	MPR
100	PV2 BPSK	1	271	3740.01	3750	3760.02	(dBm)	(dB)
100	PV2 BPSK	135	0	21.06	21.19	21.22	22.5	0.0
100	PV2 BPSK	135	69	649000	650000	651000	Tune-up limit	MPR
100	PV2 BPSK	135	138	3735	3750	3765	(dBm)	(dB)
100	PV2 BPSK	270	0	21.20	21.26	21.19	22.5	0.0
100	QPSK	1	1	648668	650000	651334	Tune-up limit	MPR
100	QPSK	1	137	3730.02	3750	3770.01	(dBm)	(dB)
100	QPSK	135	0	21.19	21.16	21.17	22.5	0.0
100	QPSK	135	69	648334	650000	651668	Tune-up limit	MPR
100	QPSK	135	138	3725.01	3750	3775.02	(dBm)	(dB)
100	QPSK	270	0	21.22	21.18	21.14	22.5	0.0
100	16QAM	1	1	648000	650000	652000	Tune-up limit	MPR
100	64QAM	1	1	3720	3750	3780	(dBm)	(dB)
100	256QAM	1	1	21.09	21.15	21.06	22.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
80	QPSK	1	109	21.03	21.15	21.13	22.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
70	QPSK	1	95	21.08	21.28	21.15	22.5	0.0
Channel				647168	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
60	QPSK	1	81	21.03	21.28	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
50	QPSK	1	67	21.04	21.23	21.01	22.5	0.0

Part270 n78 PC2 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				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
100	PV2 BPSK	1	1	21.84	22.05	22.02	23.5	0.0
100	PV2 BPSK	1	137	649334	650000	650668	Tune-up limit	MPR
100	PV2 BPSK	1	271	3740.01	3750	3760.02	(dBm)	(dB)
100	PV2 BPSK	135	0	21.68	21.67	21.79	23.5	0.0
100	PV2 BPSK	135	69	649000	650000	651000	Tune-up limit	MPR
100	PV2 BPSK	135	138	3735	3750	3765	(dBm)	(dB)
100	PV2 BPSK	270	0	21.86	21.85	21.83	23.5	0.0
100	QPSK	1	1	648668	650000	651334	Tune-up limit	MPR
100	QPSK	1	137	3730.02	3750	3770.01	(dBm)	(dB)
100	QPSK	135	0	21.84	21.81	21.79	23.5	0.0
100	QPSK	135	69	648334	650000	651668	Tune-up limit	MPR
100	QPSK	135	138	3725.01	3750	3775.02	(dBm)	(dB)
100	QPSK	270	0	21.67	21.80	21.92	23.5	0.0
100	16QAM	1	1	648000	650000	652000	Tune-up limit	MPR
100	64QAM	1	1	3720	3750	3780	(dBm)	(dB)
100	256QAM	1	1	21.85	21.83	21.80	23.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
80	QPSK	1	109	21.71	21.84	21.84	23.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
70	QPSK	1	95	21.84	21.91	21.99	23.5	0.0
Channel				647168	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
60	QPSK	1	81	21.75	22.00	21.75	23.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
50	QPSK	1	67	21.69	21.80	21.85	23.5	0.0

Part270 n78 Main 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				650000			3750	
Frequency (MHz)								
100	PI/2 BPSK	1	1	19.89			22.5	0.0
100	PI/2 BPSK	1	137	20.51				
100	PI/2 BPSK	1	271	19.91				
100	PI/2 BPSK	135	0	20.46			22.5	0.0
100	PI/2 BPSK	135	69	20.54			22.5	0.0
100	PI/2 BPSK	135	138	20.58			22.5	0.0
100	PI/2 BPSK	270	0	20.52				
100	QPSK	1	1	19.92			22.5	0.0
100	QPSK	1	137	20.66				
100	QPSK	1	271	20.01				
100	QPSK	135	0	20.48			22.5	0.0
100	QPSK	135	69	20.64			22.5	0.0
100	QPSK	135	138	20.56			22.5	0.0
100	QPSK	270	0	20.56				
100	16QAM	1	1	19.79			22.5	0.0
100	64QAM	1	1	19.80			22.5	0.0
100	256QAM	1	1	18.95			20.0	2.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	20.54	20.54	20.63	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	20.46	20.56	20.58	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	20.61	20.51	20.40	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	20.62	20.54	20.49	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	20.58	20.41	20.57	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	20.50	20.62	20.59	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	20.48	20.63	20.62	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	20.61	20.54	20.55	22.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	20.58	20.57	20.54	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	20.58	20.52	20.55	22.5	0.0

Part270 n78 PC2 Main 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				650000	650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1	21.90			24.5	0.0
100	PI/2 BPSK	1	137	22.67				
100	PI/2 BPSK	1	271	22.67				
100	PI/2 BPSK	135	0		22.04		24.0	0.5
100	PI/2 BPSK	135	69		22.50		24.5	0.0
100	PI/2 BPSK	135	138		22.05		24.0	0.5
100	PI/2 BPSK	270	0		22.01			
100	QPSK	1	1	21.60			24.5	0.0
100	QPSK	1	137	22.75				
100	QPSK	1	271	21.95				
100	QPSK	135	0		21.58		23.5	1.0
100	QPSK	135	69		22.68		24.5	0.0
100	QPSK	135	138		21.58		23.5	1.0
100	QPSK	270	0		21.53			
100	16QAM	1	1		21.26		23.5	1.0
100	64QAM	1	1		19.66		22.0	2.5
100	256QAM	1	1		17.60		20.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	22.71	22.59	22.49	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	22.51	22.57	22.49	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	22.61	22.69	22.49	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	22.68	22.52	22.62	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	22.52	22.57	22.49	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	22.58	22.57	22.55	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	22.55	22.63	22.59	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	22.71	22.68	22.62	24.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	22.49	22.66	22.68	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	22.57	22.60	22.55	24.5	0.0

Reduced Power Mode for Main PA ECI6

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300			24.0	0.0	
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	22.86					
25	PI/2 BPSK	1	64	22.83					
25	PI/2 BPSK	1	131	22.77			23.5	0.5	
25	PI/2 BPSK	64	0	22.38					
25	PI/2 BPSK	64	33	22.81					
25	PI/2 BPSK	64	65	22.37					
25	PI/2 BPSK	128	0	22.37			24.0	0.0	
25	QPSK	1	1	22.92					
25	QPSK	1	131	22.75					
25	QPSK	64	0	21.89					
25	QPSK	64	33	22.87			23.0	1.0	
25	QPSK	64	65	21.83					
25	QPSK	128	0	21.84					
25	16QAM	1	1	21.74			21.5	2.5	
25	64QAM	1	1	20.04					
25	256QAM	1	1	18.71					
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0	

n26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	PI/2 BPSK	1	1	22.70	22.89	22.76			
20	PI/2 BPSK	1	53	22.69	22.86	22.71			
20	PI/2 BPSK	1	104	22.57	22.77	22.68	23.5	0.5	
20	PI/2 BPSK	50	0	22.38	22.56	22.48			
20	PI/2 BPSK	50	28	22.68	22.87	22.75			
20	PI/2 BPSK	50	56	22.23	22.45	22.31			
20	PI/2 BPSK	100	0	22.32	22.51	22.37	24.0	0.0	
20	QPSK	1	1	22.76	22.94	22.81			
20	QPSK	1	53	22.71	22.89	22.79			
20	QPSK	1	104	22.53	22.74	22.62			
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0	
20	QPSK	50	28	22.70	22.89	22.75			
20	QPSK	50	56	21.67	21.91	21.84			
20	QPSK	100	0	21.79	21.96	21.82			
20	16QAM	1	1	21.31	21.56	21.43	21.5	2.5	
20	64QAM	1	1	19.87	20.08	19.99			
20	256QAM	1	1	18.51	18.71	18.64			
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	24.0	0.0	
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24.0	0.0	
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24.0	0.0	
5	QPSK	1	1	22.71	22.81	22.89	24.0	0.0	

n7 Ant1 DCI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.86	18.80	18.76	20.0	0.0
50	PI/2 BPSK	1	135	18.87	18.96	18.67		
50	PI/2 BPSK	1	268	18.78	18.94	18.79	20.0	0.0
50	PI/2 BPSK	135	0	18.80	18.92	18.73		
50	PI/2 BPSK	135	68	18.75	18.98	18.69	20.0	0.0
50	PI/2 BPSK	135	135	18.85	18.95	18.76		
50	PI/2 BPSK	270	0	18.67	18.88	18.64	20.0	0.0
50	QPSK	1	1	18.93	18.99	18.88		
50	QPSK	1	135	18.77	18.90	18.72	20.0	0.0
50	QPSK	1	268	18.85	18.83	18.71		
50	QPSK	135	0	18.86	18.89	18.88	20.0	0.0
50	QPSK	135	68	18.79	18.92	18.73		
50	QPSK	135	135	18.69	18.86	18.58	20.0	0.0
50	QPSK	270	0	18.84	18.89	18.87		
50	16QAM	1	1	18.77	18.84	18.61	20.0	0.0
50	64QAM	1	1	18.85	18.91	18.78		
50	256QAM	1	1	18.15	18.29	18.23	19.5	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.63	18.80	18.53	20.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.60	18.76	18.61	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.62	18.74	18.62	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.71	18.81	18.61	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.61	18.78	18.64	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.62	18.63	18.68	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.62	18.71	18.59	20.0	0.0

Part270 n77 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				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.71	20.67	20.76	22.5	0.0
100	PI/2 BPSK	1	137	19.19	19.82	19.77		
100	PI/2 BPSK	1	271	19.76	19.88	19.77		
100	PI/2 BPSK	135	0	20.49	20.46	20.30		
100	PI/2 BPSK	135	69	20.69	20.72	20.50	22.5	0.0
100	PI/2 BPSK	135	138	20.39	20.34	20.33	22.5	0.0
100	PI/2 BPSK	270	0	20.35	20.26	20.20	22.5	0.0
100	QPSK	1	1	19.46	20.01	19.85		
100	QPSK	1	137	20.83	20.85	20.81		
100	QPSK	1	271	19.90	19.97	19.93		
100	QPSK	135	0	20.53	20.59	20.55	22.5	0.0
100	QPSK	135	69	20.75	20.78	20.70	22.5	0.0
100	QPSK	135	138	20.54	20.59	20.57	22.5	0.0
100	QPSK	270	0	20.49	20.53	20.47		
100	16QAM	1	1	20.58	20.56	20.68	22.5	0.0
100	64QAM	1	1	20.46	20.57	20.72	22.5	0.0
100	256QAM	1	1	20.55	20.47	20.68	22.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	20.47	20.50	20.52	22.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.60	20.46	20.73	22.5	0.0
Channel				645000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.63	20.51	20.65	22.5	0.0
Channel				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.49	20.47	20.57	22.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.62	20.58	20.66	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.46	20.60	20.67	22.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	20.57	20.63	20.50	22.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.59	20.45	20.66	22.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	20.65	20.56	20.51	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.60	20.58	20.72	22.5	0.0

Part270 n77 PC2 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				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.57	20.11	23.5	0.0
100	PI/2 BPSK	1	137	21.06	21.55	21.12		
100	PI/2 BPSK	1	271	19.72	20.15	19.76		
100	PI/2 BPSK	135	0	20.52	20.97	20.54		
100	PI/2 BPSK	135	69	20.90	21.48	21.20	23.5	0.0
100	PI/2 BPSK	135	138	20.53	21.08	20.60	22.5	1.0
100	PI/2 BPSK	270	0	20.56	20.95	20.59		
100	QPSK	1	1	20.04	20.58	20.22	23.5	0.0
100	QPSK	1	137	21.35	21.75	21.39		
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96		
100	QPSK	135	69	21.00	21.52	21.20	23.5	0.0
100	QPSK	135	138	20.05	20.51	20.19	22.5	1.0
100	QPSK	270	0	19.91	20.59	19.96		
100	16QAM	1	1	19.17	19.76	19.41	21.5	2.0
100	64QAM	1	1	17.79	18.29	17.99	20.0	3.5
100	256QAM	1	1	15.92	16.26	16.01	18.0	5.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	21.10	21.54	21.21	23.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.19	21.69	21.22	23.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	21.17	21.66	21.27	23.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	21.08	21.56	21.25	23.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	21.23	21.64	21.21	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.24	21.62	21.25	23.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	21.22	21.70	21.18	23.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.09	21.54	21.26	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	21.26	21.63	21.14	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.10	21.70	21.25	23.5	0.0

Part270 n78 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				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
100	PV2 BPSK	1	1	21.26	21.31	21.27	22.5	0.0
100	PV2 BPSK	1	137	649334	650000	650668	Tune-up limit	MPR
100	PV2 BPSK	1	271	3740.01	3750	3760.02	(dBm)	(dB)
100	PV2 BPSK	135	0	21.06	21.19	21.22	22.5	0.0
100	PV2 BPSK	135	69	649000	650000	651000	Tune-up limit	MPR
100	PV2 BPSK	135	138	3725	3750	3765	(dBm)	(dB)
100	PV2 BPSK	270	0	21.20	21.26	21.19	22.5	0.0
100	QPSK	1	1	648668	650000	651334	Tune-up limit	MPR
100	QPSK	1	137	3730.02	3750	3770.01	(dBm)	(dB)
100	QPSK	135	0	21.19	21.16	21.17	22.5	0.0
100	QPSK	135	69	648334	650000	651668	Tune-up limit	MPR
100	QPSK	135	138	3725.01	3750	3775.02	(dBm)	(dB)
100	QPSK	270	0	21.22	21.18	21.14	22.5	0.0
100	16QAM	1	1	648000	650000	652000	Tune-up limit	MPR
100	64QAM	1	1	3720	3750	3780	(dBm)	(dB)
100	256QAM	1	1	21.09	21.15	21.06	22.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
80	QPSK	1	1	21.03	21.15	21.13	22.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
70	QPSK	1	95	647168	650000	652334	Tune-up limit	MPR
Channel				3707.52	3750	3792.51	(dBm)	(dB)
60	QPSK	1	81	21.03	21.28	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
50	QPSK	1	67	21.04	21.23	21.01	22.5	0.0

Part270 n78 PC2 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				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
100	PV2 BPSK	1	1	21.84	22.05	22.02	23.5	0.0
100	PV2 BPSK	1	137	649334	650000	650668	Tune-up limit	MPR
100	PV2 BPSK	1	271	3740.01	3750	3760.02	(dBm)	(dB)
100	PV2 BPSK	135	0	21.68	21.87	21.79	23.5	0.0
100	PV2 BPSK	135	69	649000	650000	651000	Tune-up limit	MPR
100	PV2 BPSK	135	138	3725	3750	3785	(dBm)	(dB)
100	PV2 BPSK	270	0	21.86	21.85	21.83	23.5	0.0
100	QPSK	1	1	648668	650000	651334	Tune-up limit	MPR
100	QPSK	1	137	3730.02	3750	3770.01	(dBm)	(dB)
100	QPSK	135	0	21.84	21.81	21.79	23.5	0.0
100	QPSK	135	69	648334	650000	651668	Tune-up limit	MPR
100	QPSK	135	138	3725.01	3750	3775.02	(dBm)	(dB)
100	QPSK	270	0	21.67	21.80	21.92	23.5	0.0
100	16QAM	1	1	648000	650000	652000	Tune-up limit	MPR
100	64QAM	1	1	3720	3750	3780	(dBm)	(dB)
100	256QAM	1	1	21.85	21.83	21.80	23.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
80	QPSK	1	39	21.71	21.84	21.84	23.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
70	QPSK	1	26	21.84	21.91	21.99	23.5	0.0
Channel				647168	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
60	QPSK	1	19	21.75	22.00	21.75	23.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
50	QPSK	1	12	21.69	21.80	21.85	23.5	0.0

Part270 n77 PC2 Main PA Ant2 PC2&PC3 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.06	18.09	17.97	20.0	0.0
100	PI/2 BPSK	1	137	17.88	18.28	18.04		
100	PI/2 BPSK	1	271	18.03	18.16	18.06	20.0	0.0
100	PI/2 BPSK	135	0	17.97	18.26	18.09		
100	PI/2 BPSK	135	69	18.08	18.11	18.09	20.0	0.0
100	PI/2 BPSK	135	138	18.00	18.16	18.07		
100	PI/2 BPSK	270	0	18.00	18.07	17.89	20.0	0.0
100	QPSK	1	1	17.85	17.89	17.82		
100	QPSK	1	137	18.27	18.29	17.26	20.0	0.0
100	QPSK	1	271	17.76	17.86	17.81		
100	QPSK	135	0	18.19	18.23	18.21	20.0	0.0
100	QPSK	135	69	18.00	18.25	18.01		
100	QPSK	135	138	18.09	18.22	17.89	20.0	0.0
100	QPSK	270	0	18.17	18.21	18.15		
100	16QAM	1	1	17.87	18.17	18.00	20.0	0.0
100	64QAM	1	1	18.04	18.08	17.91		
100	256QAM	1	1	17.59	17.61	17.53	18.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	18.18	18.34	17.18	20.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	18.24	18.12	17.26		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	18.21	18.19	17.22	20.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	18.28	18.28	17.27		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	18.24	18.13	17.09	20.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	18.10	18.32	17.25		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	18.14	18.29	17.21	20.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	18.31	18.15	17.30		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	18.28	18.22	17.30	20.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	18.09	18.31	17.15		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				3750			20.0	0.0						
Frequency (MHz)				3750										
100	PI/2 BPSK	1	1	18.06										
100	PI/2 BPSK	1	137	17.90										
100	PI/2 BPSK	1	271	17.92										
100	PI/2 BPSK	135	0	17.96										
100	PI/2 BPSK	135	69	18.06										
100	PI/2 BPSK	135	138	17.88										
100	PI/2 BPSK	270	0	18.04										
100	QPSK	1	1	17.69										
100	QPSK	1	137	18.11			20.0	0.0						
100	QPSK	1	271	17.62										
100	QPSK	135	0	18.07										
100	QPSK	135	69	17.92										
100	QPSK	135	138	18.03										
100	QPSK	270	0	18.04										
100	16QAM	1	1	17.91										
100	64QAM	1	1	18.00										
100	256QAM	1	1	17.95					18.5	1.5				
Channel				649668	650000	650334			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0						
90	QPSK	1	120	17.94	17.96	18.02								
Channel				649334	650000	650668			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3740.01	3750	3760.02			20.0	0.0				
80	QPSK	1	109	17.89	17.77	17.88								
Channel				649000	650000	651000					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765					20.0	0.0		
70	QPSK	1	95	17.80	17.86	18.03								
Channel				648668	650000	651334							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01							20.0	0.0
60	QPSK	1	81	17.80	17.86	17.94								
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0						
50	QPSK	1	67	17.86	17.84	17.88								
Channel				648000	650000	652000			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3720	3750	3780			20.0	0.0				
40	QPSK	1	53	17.98	17.89	17.96								
Channel				647668	650000	652334					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01					20.0	0.0		
30	QPSK	1	39	18.01	17.94	17.95								
Channel				647334	650000	652668							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02							20.0	0.0
20	QPSK	1	26	17.83	17.95	17.97								
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)				3707.52	3750	3792.51	20.0	0.0						
15	QPSK	1	19	17.80	17.87	17.83								
Channel				647000	650000	653000			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3705	3750	3795			20.0	0.0				
10	QPSK	1	12	17.81	17.87	17.91								

n38 Main PA Ant4 ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	20.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.23	19.32	19.21	20.5	0.0	
40	PI/2 BPSK	1	53	19.14	19.39	19.24			
40	PI/2 BPSK	1	104	19.25	19.28	19.30	20.5	0.0	
40	PI/2 BPSK	50	0	19.16	19.37	19.14			
40	PI/2 BPSK	50	28	19.16	19.38	19.17	20.5	0.0	
40	PI/2 BPSK	50	56	19.29	19.36	19.31			
40	PI/2 BPSK	100	0	19.22	19.27	19.28	20.5	0.0	
40	QPSK	1	1	19.34	19.40	19.33			
40	QPSK	1	53	19.16	19.35	19.15	20.5	0.0	
40	QPSK	1	104	19.24	19.29	19.25			
40	QPSK	50	0	19.30	19.31	19.25	20.5	0.0	
40	QPSK	50	28	19.25	19.35	19.31			
40	QPSK	50	56	19.32	19.31	19.25	20.5	0.0	
40	QPSK	100	0	19.28	19.35	19.31			
40	16QAM	1	1	19.17	19.37	19.21	20.5	0.0	
40	64QAM	1	1	19.36	19.30	19.11			
40	256QAM	1	1	18.76	18.82	18.81	19.5	1.0	
Channel				517002	519000	520998	20.5	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.22	19.39	19.37	20.5	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	20.5	0.0	
25	QPSK	1	1	19.28	19.42	19.38		0.0	
Channel				516000	519000	522000	20.5	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.39	19.37	19.14	20.5	0.0	
Channel				515592	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	20.5	0.0	
15	QPSK	1	1	19.27	19.21	19.36		0.0	
Channel				515004	519000	522996	20.5	0.0	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.34	19.34	19.17	20.5	0.0	

n41 Main PA Ant4 ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.43	19.42	19.25	20.5	0.0	
100	PI/2 BPSK	1	137	19.28	19.57	19.34			
100	PI/2 BPSK	1	271	19.28	19.57	19.22	20.5	0.0	
100	PI/2 BPSK	135	0	19.40	19.47	19.19			
100	PI/2 BPSK	135	69	19.32	19.47	19.20	20.5	0.0	
100	PI/2 BPSK	135	138	19.46	19.57	19.19			
100	PI/2 BPSK	270	0	19.28	19.40	19.27	20.5	0.0	
100	QPSK	1	1	19.53	19.65	19.58			
100	QPSK	1	137	19.32	19.50	19.26	20.5	0.0	
100	QPSK	1	271	19.29	19.63	19.18			
100	QPSK	135	0	19.43	19.51	19.50	20.5	0.0	
100	QPSK	135	69	19.35	19.64	19.12			
100	QPSK	135	138	19.50	19.47	19.21	20.5	0.0	
100	QPSK	270	0	19.47	19.49	19.44			
100	16QAM	1	1	19.26	19.54	19.23	20.5	0.0	
100	64QAM	1	1	19.41	19.52	19.26			
100	256QAM	1	1	18.29	18.41	18.27	19.5	1.0	
Channel				508200	518598	528996	20.5	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.57	19.64	19.50	20.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	20.5	0.0	
80	QPSK	1	1	19.48	19.64	19.46		0.0	
Channel				506202	518598	531000	20.5	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.41	19.64	19.55	20.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98	20.5	0.0	
60	QPSK	1	1	19.34	19.49	19.45		0.0	
Channel				504204	518598	532998	20.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.38	19.62	19.42	20.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	20.5	0.0	
40	QPSK	1	1	19.40	19.61	19.63		0.0	
Channel				502200	518598	534996	20.5	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.50	19.51	19.42	20.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	20.5	0.0	
20	QPSK	1	1	19.36	19.62	19.48		0.0	
Channel				500700	518598	536996	20.5	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.37	19.51	19.62	20.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	20.5	0.0	
10	QPSK	1	1	19.44	19.53	19.46		0.0	

Part270 n77 Main PA Ant5 PC2&PC3 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	19.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.37	18.32	18.37		
100	PI/2 BPSK	1	137	18.19	18.40	18.29		
100	PI/2 BPSK	1	271	18.32	18.36	18.16	19.0	0.0
100	PI/2 BPSK	135	0	18.37	18.29	18.33		
100	PI/2 BPSK	135	69	18.33	18.42	18.32		
100	PI/2 BPSK	135	138	18.26	18.27	18.30		
100	PI/2 BPSK	270	0	18.26	18.43	18.36	19.0	0.0
100	QPSK	1	1	18.09	18.12	18.10		
100	QPSK	1	137	18.19	18.51	18.20		
100	QPSK	1	271	18.29	18.45	18.19		
100	QPSK	135	0	18.45	18.46	18.41	19.0	0.0
100	QPSK	135	69	18.22	18.48	18.15		
100	QPSK	135	138	18.25	18.37	18.34		
100	QPSK	270	0	18.37	18.43	18.41		
100	16QAM	1	1	18.19	18.40	18.27	19.0	0.0
100	64QAM	1	1	18.25	18.36	18.27		
100	256QAM	1	1	18.19	18.33	18.31		
Channel				649668	656000	662334	19.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	18.05	18.37	18.05		
Channel				649334	656000	662668	19.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	18.21	18.34	18.17		
Channel				649000	656000	663000	19.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	18.18	18.46	18.09		
Channel				648668	656000	663334	19.0	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	18.18	18.33	18.10		
Channel				648334	656000	663668	19.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	18.04	18.33	18.13		
Channel				648000	656000	664000	19.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	18.02	18.39	18.07		
Channel				647668	656000	664334	19.0	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	18.23	18.42	18.21		
Channel				647334	656000	664668	19.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	18.13	18.35	18.21		
Channel				647168	656000	664834	19.0	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	18.24	18.41	18.04		
Channel				647000	656000	665000	19.0	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	18.16	18.46	18.11		

Part270 n78 Main PA Ant5 PC2&PC3 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000			19.0	0.0		
Frequency (MHz)				3750						
100	PI/2 BPSK	1	1	18.31						
100	PI/2 BPSK	1	137	18.31						
100	PI/2 BPSK	1	271	18.45			19.0	0.0		
100	PI/2 BPSK	135	0	18.31						
100	PI/2 BPSK	135	69	18.31						
100	PI/2 BPSK	135	138	18.38						
100	PI/2 BPSK	270	0	18.35			19.0	0.0		
100	QPSK	1	1	18.03						
100	QPSK	1	137	18.51						
100	QPSK	1	271	18.06						
100	QPSK	135	0	18.40			19.0	0.0		
100	QPSK	135	69	18.47						
100	QPSK	135	138	18.42						
100	QPSK	270	0	18.41						
100	16QAM	1	1	18.44			19.0	0.0		
100	64QAM	1	1	18.44						
100	256QAM	1	1	18.26						
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0		
90	QPSK	1	120	18.39	18.09	18.00				
Channel				649334	650000	650668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02			19.0	0.0
80	QPSK	1	109	18.36	18.29	18.19				
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	19.0	0.0		
70	QPSK	1	95	18.37	18.27	18.15				
Channel				648668	650000	651334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01			19.0	0.0
60	QPSK	1	81	18.26	18.07	18.15				
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0		
50	QPSK	1	67	18.36	18.14	18.04				
Channel				648000	650000	652000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780			19.0	0.0
40	QPSK	1	53	18.21	18.23	18.20				
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01	19.0	0.0		
30	QPSK	1	39	18.17	18.22	18.17				
Channel				647334	650000	652668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02			19.0	0.0
20	QPSK	1	26	18.16	18.21	18.20				
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0		
15	QPSK	1	19	18.36	18.12	18.18				
Channel				647000	650000	653000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795			19.0	0.0
10	QPSK	1	12	18.20	18.26	18.01				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.63	19.96	19.61		
100	PI/2 BPSK	1	137	19.96	20.39	20.25	22.5	0.0
100	PI/2 BPSK	1	271	19.50	19.79	19.82		
100	PI/2 BPSK	135	0	20.03	20.37	20.30		
100	PI/2 BPSK	135	69	20.07	20.60	20.30	22.5	0.0
100	PI/2 BPSK	135	138	20.03	20.38	20.15		
100	PI/2 BPSK	270	0	20.27	20.37	20.22		
100	QPSK	1	1	19.76	20.04	19.88	22.5	0.0
100	QPSK	1	137	20.33	20.67	20.41		
100	QPSK	1	271	19.70	20.06	19.95		
100	QPSK	135	0	20.25	20.52	20.38	22.5	0.0
100	QPSK	135	69	20.26	20.62	20.41		
100	QPSK	135	138	20.17	20.45	20.41		
100	QPSK	270	0	20.32	20.53	20.44	22.5	0.0
100	16QAM	1	1	19.46	19.73	19.45		
100	64QAM	1	1	19.38	19.75	19.70		
100	256QAM	1	1	18.60	18.94	18.85	20.0	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	20.29	20.62	20.36		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.26	20.42	20.33		
Channel				645000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.25	20.58	20.33		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.24	20.40	20.19		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.21	20.44	20.21		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.16	20.61	20.32		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	20.25	20.47	20.16		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.22	20.58	20.22		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	20.11	20.46	20.15		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.28	20.56	20.17		

Part270 n77 PC2 Main 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				650000	656000	662000	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.86	21.27	21.02		
100	PI/2 BPSK	1	137	21.53	21.80	21.53	24.0	0.5
100	PI/2 BPSK	1	271	20.99	21.43	21.22		
100	PI/2 BPSK	135	0	21.19	21.48	21.10		
100	PI/2 BPSK	135	69	21.82	21.83	21.97	24.0	0.5
100	PI/2 BPSK	135	138	21.39	21.63	21.38		
100	PI/2 BPSK	270	0	21.31	21.54	21.27		
100	QPSK	1	1	20.84	21.18	20.92	24.5	0.0
100	QPSK	1	137	21.82	22.20	21.97		
100	QPSK	1	271	20.99	21.36	21.23		
100	QPSK	135	0	20.70	21.00	20.84	23.5	1.0
100	QPSK	135	69	21.74	22.18	21.82		
100	QPSK	135	138	20.70	21.11	20.86		
100	QPSK	270	0	20.88	21.10	20.91	23.5	1.0
100	16QAM	1	1	20.26	20.58	20.41		
100	64QAM	1	1	18.63	19.07	18.85		
100	256QAM	1	1	16.64	16.99	16.63	20.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	21.58	22.01	21.92		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.58	21.98	21.87		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	21.59	22.16	21.72		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	21.63	22.07	21.75		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	21.72	21.97	21.74		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.72	22.08	21.80		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	21.63	21.93	21.88		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.67	21.94	21.89		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	21.77	21.94	21.86		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.78	22.03	21.75		

Part270 n78 Main 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				650000			22.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	19.89					
100	PI/2 BPSK	1	137	20.51					
100	PI/2 BPSK	1	271	19.91			22.5	0.0	
100	PI/2 BPSK	135	0	20.46					
100	PI/2 BPSK	135	69	20.54					
100	PI/2 BPSK	135	138	20.58					
100	PI/2 BPSK	270	0	20.52			22.5	0.0	
100	QPSK	1	1	19.92					
100	QPSK	1	137	20.66					
100	QPSK	1	271	20.01					
100	QPSK	135	0	20.48			22.5	0.0	
100	QPSK	135	69	20.64					
100	QPSK	135	138	20.56					
100	QPSK	270	0	20.56					
100	16QAM	1	1	19.79			22.5	0.0	
100	64QAM	1	1	19.80					
100	256QAM	1	1	18.95					
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	120	20.54	20.54	20.63	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	20.46	20.56	20.58	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	20.61	20.51	20.40	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	20.62	20.54	20.49	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	20.58	20.41	20.57	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	20.50	20.62	20.59	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	39	20.48	20.63	20.62	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	20.61	20.54	20.55	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	20.58	20.57	20.54	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	20.58	20.52	20.55	22.5	0.0	

Part270 n78 PC2 Main 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				650000			24.5	0.0				
Frequency (MHz)				3750								
100	PI/2 BPSK	1	1	21.90								
100	PI/2 BPSK	1	137	22.67								
100	PI/2 BPSK	1	271	21.96			24.0	0.5				
100	PI/2 BPSK	135	0	22.04								
100	PI/2 BPSK	135	69	22.50								
100	PI/2 BPSK	135	138	22.05								
100	PI/2 BPSK	270	0	22.01			24.0	0.5				
100	QPSK	1	1	22.75								
100	QPSK	1	137	22.75								
100	QPSK	1	271	21.95								
100	QPSK	135	0	21.58			23.5	1.0				
100	QPSK	135	69	22.68								
100	QPSK	135	138	21.58								
100	QPSK	270	0	21.53								
100	16QAM	1	1	21.26			23.5	1.0				
100	64QAM	1	1	19.66								
100	256QAM	1	1	17.60								
Channel				649668	650000	650334	Tune-up limit	MPR				
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)				
90	QPSK	1	120	22.71	22.59	22.49	24.5	0.0				
Channel				649334	650000	650668	Tune-up limit	MPR				
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)				
80	QPSK	1	109	22.51	22.57	22.49	24.5	0.0				
Channel				649000	650000	651000	Tune-up limit	MPR				
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)				
70	QPSK	1	95	22.61	22.69	22.49	24.5	0.0				
Channel				648668	650000	651334	Tune-up limit	MPR				
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)				
60	QPSK	1	81	22.68	22.52	22.62	24.5	0.0				
Channel				648334	650000	651668	Tune-up limit	MPR				
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)				
50	QPSK	1	67	22.52	22.57	22.49	24.5	0.0				
Channel				648000	650000	652000	Tune-up limit	MPR				
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)				
40	QPSK	1	53	22.58	22.57	22.55	24.5	0.0				
Channel				647668	650000	652334	Tune-up limit	MPR				
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)				
30	QPSK	1	39	22.55	22.63	22.59	24.5	0.0				
Channel				647334	650000	652668	Tune-up limit	MPR				
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)				
20	QPSK	1	26	22.71	22.68	22.62	24.5	0.0				
Channel				647168	650000	652834	Tune-up limit	MPR				
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)				
15	QPSK	1	19	22.49	22.66	22.68	24.5	0.0				
Channel				647000	650000	653000	Tune-up limit	MPR				
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)				
10	QPSK	1	12	22.57	22.60	22.55	24.5	0.0				

Reduced Power Mode for Main PA ECI7

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300			24.0	0.0
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1		22.86			
25	PI/2 BPSK	1	64		22.83			
25	PI/2 BPSK	1	131		22.77		23.5	0.5
25	PI/2 BPSK	64	0		22.38			
25	PI/2 BPSK	64	33		22.81			
25	PI/2 BPSK	64	65		22.37			
25	PI/2 BPSK	128	0		22.37		24.0	0.0
25	QPSK	1	1		22.92			
25	QPSK	1	64		22.84			
25	QPSK	1	131		22.75			
25	QPSK	64	0		21.89		23.0	1.0
25	QPSK	64	33		22.87			
25	QPSK	64	65		21.83			
25	QPSK	128	0		21.84			
25	16QAM	1	1		21.74		23.5	2.5
25	64QAM	1	1		20.04			
25	256QAM	1	1		18.71			
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0

n26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	PI/2 BPSK	1	1		22.70	22.89			
20	PI/2 BPSK	1	53		22.69	22.86			
20	PI/2 BPSK	1	104		22.57	22.77	23.5	0.5	
20	PI/2 BPSK	50	0		22.38	22.56			
20	PI/2 BPSK	50	28		22.68	22.87			
20	PI/2 BPSK	50	56		22.23	22.45			
20	PI/2 BPSK	100	0		22.32	22.51	24.0	0.0	
20	QPSK	1	1		22.76	22.94			
20	QPSK	1	53		22.71	22.89			
20	QPSK	1	104		22.53	22.74			
20	QPSK	50	0		21.79	21.98	23.0	1.0	
20	QPSK	50	28		22.70	22.89			
20	QPSK	50	56		21.67	21.91			
20	QPSK	100	0		21.79	21.96			
20	16QAM	1	1		21.31	21.56	21.5	2.5	
20	64QAM	1	1		19.87	20.08			
20	256QAM	1	1		18.51	18.71			
Channel				164300	166300	168300			
Frequency (MHz)				821.5	831.5	841.5	24.0	0.0	
15	QPSK	1	1		22.68	22.80			
Channel				163800	166300	168800			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1		22.69	22.85	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1		22.71	22.81			

n7 Ant1 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.21	18.38	18.14	19.5	0.0
50	PI/2 BPSK	1	135	18.31	18.45	18.17		
50	PI/2 BPSK	1	268	18.32	18.46	18.19		
50	PI/2 BPSK	135	0	18.19	18.37	18.12	19.5	0.0
50	PI/2 BPSK	135	68	18.22	18.51	18.21	19.5	0.0
50	PI/2 BPSK	135	135	18.20	18.29	18.13	19.5	0.0
50	PI/2 BPSK	270	0	18.33	18.35	18.31	19.5	0.0
50	QPSK	1	1	18.27	18.52	18.32		
50	QPSK	1	135	18.42	18.48	18.48		
50	QPSK	1	268	18.18	18.48	18.18	19.5	0.0
50	QPSK	135	0	18.41	18.30	18.39	19.5	0.0
50	QPSK	135	68	18.33	18.42	18.18	19.5	0.0
50	QPSK	135	135	18.40	18.34	18.12	19.5	0.0
50	QPSK	270	0	18.38	18.39	18.34	19.5	0.0
50	16QAM	1	1	18.21	18.48	18.27	19.5	0.0
50	64QAM	1	1	18.29	18.27	18.15	19.5	0.0
50	256QAM	1	1	18.40	18.28	18.24	19.5	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	19.5	0.0
40	QPSK	1	1	18.21	18.38	18.22		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.5	0.0
30	QPSK	1	1	18.14	18.42	18.17		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.5	0.0
25	QPSK	1	1	18.16	18.34	18.25		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.5	0.0
20	QPSK	1	1	18.22	18.32	18.28		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0
15	QPSK	1	1	18.20	18.30	18.14		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.5	0.0
10	QPSK	1	1	18.27	18.38	18.18		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0
5	QPSK	1	1	18.13	18.47	18.12		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.71	20.67	20.76	22.5	0.0
100	PI/2 BPSK	1	137	19.19	19.82	19.77		
100	PI/2 BPSK	1	271	19.76	19.88	19.77	22.5	0.0
100	PI/2 BPSK	135	0	20.49	20.46	20.30		
100	PI/2 BPSK	135	69	20.69	20.72	20.50	22.5	0.0
100	PI/2 BPSK	135	138	20.39	20.34	20.33		
100	PI/2 BPSK	270	0	20.35	20.26	20.20	22.5	0.0
100	QPSK	1	1	19.46	20.01	19.85		
100	QPSK	1	137	20.83	20.85	20.81	22.5	0.0
100	QPSK	1	271	19.90	19.97	19.93		
100	QPSK	135	0	20.53	20.59	20.55	22.5	0.0
100	QPSK	135	69	20.75	20.78	20.70		
100	QPSK	135	138	20.54	20.59	20.57	22.5	0.0
100	QPSK	270	0	20.49	20.53	20.47		
100	16QAM	1	1	20.58	20.56	20.68	22.5	0.0
100	64QAM	1	1	20.46	20.57	20.72		
100	256QAM	1	1	20.55	20.47	20.68	22.5	0.0
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	22.5	0.0
90	QPSK	1	120	20.47	20.50	20.52		
Channel				649334	656000	662668	22.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.60	20.46	20.73	22.5	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	22.5	0.0
70	QPSK	1	95	20.63	20.51	20.65		
Channel				648668	656000	663334	22.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.49	20.47	20.57	22.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	22.5	0.0
50	QPSK	1	67	20.62	20.58	20.66		
Channel				648000	656000	664000	22.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.46	20.60	20.67	22.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	22.5	0.0
30	QPSK	1	39	20.57	20.63	20.50		
Channel				647334	656000	664668	22.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.59	20.45	20.66	22.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	22.5	0.0
15	QPSK	1	19	20.65	20.56	20.51		
Channel				647000	656000	665000	22.5	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.60	20.58	20.72	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.57	20.11	23.5	0.0
100	PI/2 BPSK	1	137	21.06	21.55	21.12		
100	PI/2 BPSK	1	271	19.72	20.15	19.76	22.5	1.0
100	PI/2 BPSK	135	0	20.52	20.97	20.54		
100	PI/2 BPSK	135	69	20.90	21.48	21.20	22.5	1.0
100	PI/2 BPSK	135	138	20.53	21.08	20.60		
100	PI/2 BPSK	270	0	20.56	20.95	20.59	23.5	0.0
100	QPSK	1	1	20.04	20.58	20.22		
100	QPSK	1	137	21.35	21.75	21.39	22.5	1.0
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96	23.5	0.0
100	QPSK	135	69	21.00	21.52	21.20		
100	QPSK	135	138	20.05	20.51	20.19	22.5	1.0
100	QPSK	270	0	19.91	20.59	19.96		
100	16QAM	1	1	19.17	19.76	19.41	21.5	2.0
100	64QAM	1	1	17.79	18.29	17.99		
100	256QAM	1	1	15.92	16.26	16.01	18.0	5.5
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	23.5	0.0
90	QPSK	1	120	21.10	21.54	21.21		
Channel				649334	656000	662668	23.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	21.19	21.69	21.22	23.5	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	23.5	0.0
70	QPSK	1	95	21.17	21.66	21.27		
Channel				648668	656000	663334	23.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	21.08	21.56	21.25	23.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	23.5	0.0
50	QPSK	1	67	21.23	21.64	21.21		
Channel				648000	656000	664000	23.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	21.24	21.62	21.25	23.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	23.5	0.0
30	QPSK	1	39	21.22	21.70	21.18		
Channel				647334	656000	664668	23.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	21.09	21.54	21.26	23.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	23.5	0.0
15	QPSK	1	19	21.26	21.83	21.14		
Channel				647000	656000	665000	23.5	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	21.10	21.70	21.25	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	20.45				
100	PV2 BPSK	1	137	21.08			22.5	0.0
100	PV2 BPSK	1	271	20.68				
100	PV2 BPSK	135	0	20.96			22.0	0.5
100	PV2 BPSK	135	69	21.03			22.5	0.0
100	PV2 BPSK	135	138	21.26				
100	PV2 BPSK	270	0	21.10			22.0	0.5
100	QPSK	1	1	20.33				
100	QPSK	1	137	21.50			22.5	0.0
100	QPSK	1	271	20.77				
100	QPSK	135	0	20.97			22.0	0.5
100	QPSK	135	69	21.17			22.5	0.0
100	QPSK	135	138	21.10				
100	QPSK	270	0	20.91			22.0	0.5
100	16QAM	1	1	20.07			21.0	1.5
100	64QAM	1	1	20.14			21.0	1.5
100	256QAM	1	1	19.25			20.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.26	21.31	21.27	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.06	21.19	21.22	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.20	21.26	21.19	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.19	21.16	21.17	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.22	21.18	21.14	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.09	21.15	21.06	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.03	21.15	21.13	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.08	21.28	21.15	22.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.03	21.28	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.04	21.23	21.01	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PV2 BPSK	1	1	21.36				
100	PV2 BPSK	1	137	22.07			23.5	0.0
100	PV2 BPSK	1	271	21.83				
100	PV2 BPSK	135	0	21.42			22.5	1.0
100	PV2 BPSK	135	69	21.90			23.5	0.0
100	PV2 BPSK	135	138	21.80				
100	PV2 BPSK	270	0	21.46			22.5	1.0
100	QPSK	1	1	21.12				
100	QPSK	1	137	22.15			23.5	0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	20.91			22.5	1.0
100	QPSK	135	69	22.13			23.5	0.0
100	QPSK	135	138	21.07				
100	QPSK	270	0	20.95			22.5	1.0
100	16QAM	1	1	20.64			22.0	1.5
100	64QAM	1	1	19.00			20.5	3.0
100	256QAM	1	1	17.06			18.5	5.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	21.94	22.05	22.02	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	21.88	21.87	21.79	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	21.86	21.85	21.83	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	21.84	21.81	21.79	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	21.87	21.80	21.92	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	21.85	21.83	21.80	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	21.71	21.84	21.84	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	21.84	21.91	21.99	23.5	0.0
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	21.75	22.00	21.75	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	21.69	21.80	21.85	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	16.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.66	14.92	14.62	16.5	0.0
100	PI/2 BPSK	1	137	14.69	14.74	14.54		
100	PI/2 BPSK	1	271	14.69	14.81	14.55	16.5	0.0
100	PI/2 BPSK	135	0	14.62	14.92	14.74		
100	PI/2 BPSK	135	69	14.60	14.91	14.62	16.5	0.0
100	PI/2 BPSK	135	138	14.72	14.80	14.57		
100	PI/2 BPSK	270	0	14.53	14.87	14.58	16.5	0.0
100	QPSK	1	1	14.65	14.53	14.57		
100	QPSK	1	137	14.91	14.95	14.92	14.5	2.0
100	QPSK	1	271	14.43	14.51	14.46		
100	QPSK	135	0	14.89	14.90	14.87	16.5	0.0
100	QPSK	135	69	14.60	14.91	14.74		
100	QPSK	135	138	14.52	14.87	14.67	16.5	0.0
100	QPSK	270	0	14.79	14.86	14.82		
100	16QAM	1	1	14.53	14.91	14.56	16.5	0.0
100	64QAM	1	1	14.54	14.86	14.68		
100	256QAM	1	1	14.64	14.81	14.77	16.5	0.0
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01	16.5	0.0
90	QPSK	1	120	14.77	14.90	14.80		
Channel				649334	656000	662668	16.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	14.82	14.93	14.83	16.5	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	16.5	0.0
70	QPSK	1	95	14.96	14.92	14.75		
Channel				648668	656000	663334	16.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	14.81	14.81	14.92	16.5	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	16.5	0.0
50	QPSK	1	67	14.94	14.86	14.77		
Channel				648000	656000	664000	16.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	14.73	14.87	14.86	16.5	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	16.5	0.0
30	QPSK	1	39	14.80	14.87	14.83		
Channel				647334	656000	664668	16.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	14.72	14.93	14.62	16.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	16.5	0.0
15	QPSK	1	19	14.79	15.00	14.79		
Channel				647000	656000	665000	16.5	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	14.91	14.85	14.92	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		14.48		16.5	0.0
100	PI/2 BPSK	1	137		14.42			
100	PI/2 BPSK	1	271		14.61			
100	PI/2 BPSK	135	0		14.48		16.5	0.0
100	PI/2 BPSK	135	69		14.37		16.5	0.0
100	PI/2 BPSK	135	138		14.55		16.5	0.0
100	PI/2 BPSK	270	0		14.53			
100	QPSK	1	1		14.23			
100	QPSK	1	137		14.65		16.5	0.0
100	QPSK	1	271		14.20			
100	QPSK	135	0		14.59			
100	QPSK	135	69		14.61		16.5	0.0
100	QPSK	135	138		14.60		16.5	0.0
100	QPSK	270	0		14.57			
100	16QAM	1	1		14.60			
100	64QAM	1	1		14.37		16.5	0.0
100	256QAM	1	1		14.49		16.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	14.33	14.38	14.36	16.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	14.32	14.43	14.48	16.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	14.42	14.24	14.42	16.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	14.35	14.31	14.52	16.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	14.38	14.34	14.51	16.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	14.36	14.36	14.47	16.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	14.37	14.36	14.49	16.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	14.41	14.35	14.37	16.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	14.52	14.38	14.43	16.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	14.45	14.28	14.42	16.5	0.0



n38 Main PA Ant4 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	12.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	11.40	11.33	11.26	12.5	0.0
40	PV2 BPSK	1	53	11.29	11.35	11.29		
40	PV2 BPSK	1	104	11.24	11.42	11.25	12.5	0.0
40	PV2 BPSK	50	0	11.39	11.45	11.36		
40	PV2 BPSK	50	28	11.23	11.50	11.39	12.5	0.0
40	PV2 BPSK	50	56	11.26	11.39	11.34		
40	PV2 BPSK	100	0	11.19	11.34	11.15	12.5	0.0
40	QPSK	1	1	11.48	11.53	11.46		
40	QPSK	1	53	11.36	11.34	11.30	12.5	0.0
40	QPSK	1	104	11.33	11.36	11.29		
40	QPSK	50	0	11.44	11.36	11.47	12.5	0.0
40	QPSK	50	28	11.34	11.49	11.34		
40	QPSK	50	56	11.22	11.48	11.31	12.5	0.0
40	QPSK	100	0	11.38	11.43	11.36		
40	16QAM	1	1	11.39	11.38	11.21	12.5	0.0
40	64QAM	1	1	11.31	11.44	11.16		
40	256QAM	1	1	11.42	11.46	11.25	12.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	12.5	0.0
30	QPSK	1	1	11.31	11.48	11.46		
Channel				516504	519000	521496	12.5	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	11.47	11.41	11.42	12.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	12.5	0.0
20	QPSK	1	1	11.48	11.39	11.36		
Channel				515502	519000	522498	12.5	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	11.43	11.43	11.38	12.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	12.5	0.0
10	QPSK	1	1	11.40	11.51	11.42		

n41 Main PA Ant4 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	12.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	11.21	11.49	11.23	12.5	0.0
100	PV2 BPSK	1	137	11.24	11.33	11.19		
100	PV2 BPSK	1	271	11.39	11.34	11.16	12.5	0.0
100	PV2 BPSK	135	0	11.26	11.42	11.33		
100	PV2 BPSK	135	69	11.24	11.45	11.26	12.5	0.0
100	PV2 BPSK	135	138	11.21	11.53	11.29		
100	PV2 BPSK	270	0	11.30	11.53	11.24	12.5	0.0
100	QPSK	1	1	11.51	11.54	11.48		
100	QPSK	1	137	11.27	11.38	11.19	12.5	0.0
100	QPSK	1	271	11.22	11.48	11.30		
100	QPSK	135	0	11.49	11.36	11.46	12.5	0.0
100	QPSK	135	69	11.38	11.51	11.36		
100	QPSK	135	138	11.41	11.47	11.21	12.5	0.0
100	QPSK	270	0	11.42	11.47	11.45		
100	16QAM	1	1	11.31	11.42	11.36	12.5	0.0
100	64QAM	1	1	11.25	11.51	11.27		
100	256QAM	1	1	11.27	11.35	11.35	12.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	12.5	0.0
90	QPSK	1	1	11.46	11.53	11.37		
Channel				507204	518598	529998	12.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	11.34	11.40	11.51	12.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	12.5	0.0
70	QPSK	1	1	11.53	11.40	11.47		
Channel				505200	518598	531996	12.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	11.42	11.44	11.34	12.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	12.5	0.0
50	QPSK	1	1	11.47	11.54	11.42		
Channel				503202	518598	534000	12.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	11.35	11.45	11.32	12.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	12.5	0.0
30	QPSK	1	1	11.32	11.40	11.40		
Channel				501204	518598	535998	12.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	11.49	11.52	11.52	12.5	0.0
Channel				500100	518598	536996		
Frequency (MHz)				2503.5	2592.99	2682.48	12.5	0.0
15	QPSK	1	1	11.48	11.47	11.45		
Channel				500202	518598	537000	12.5	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	11.51	11.37	11.34	12.5	0.0

Part270 n77 Main PA Ant5 PC2&PC3 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	14.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.27	12.47	12.28		
100	PI/2 BPSK	1	137	12.25	12.40	12.28		
100	PI/2 BPSK	1	271	12.29	12.39	12.16	14.0	0.0
100	PI/2 BPSK	135	0	12.17	12.37	12.18		
100	PI/2 BPSK	135	69	12.15	12.30	12.24		
100	PI/2 BPSK	135	138	12.32	12.25	12.29		
100	PI/2 BPSK	270	0	12.23	12.31	12.21	14.0	0.0
100	QPSK	1	1	12.28	12.40	12.36		
100	QPSK	1	137	12.45	12.51	12.47		
100	QPSK	1	271	12.24	12.36	12.18		
100	QPSK	135	0	12.15	12.35	12.33	14.0	0.0
100	QPSK	135	69	12.43	12.45	12.41		
100	QPSK	135	138	12.18	12.36	12.18		
100	QPSK	270	0	12.38	12.41	12.34		
100	16QAM	1	1	12.15	12.29	12.12	14.0	0.0
100	64QAM	1	1	12.29	12.48	12.19		
100	256QAM	1	1	12.21	12.37	12.18		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	14.0	0.0
90	QPSK	1	120	12.35	12.39	12.41		
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	12.26	12.41	12.27	14.0	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	12.34	12.49	12.28		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	14.0	0.0
60	QPSK	1	81	12.24	12.43	12.26		
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	12.40	12.38	12.44	14.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	12.33	12.44	12.24		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	14.0	0.0
30	QPSK	1	39	12.38	12.31	12.34		
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	12.21	12.41	12.24	14.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	12.32	12.49	12.32		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	14.0	0.0
10	QPSK	1	12	12.39	12.34	12.23		

Part270 n78 Main PA Ant5 PC2&PC3 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							14.0	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1	3750				
100	PI/2 BPSK	1	137	12.54				
100	PI/2 BPSK	1	271	12.53			14.0	0.0
100	PI/2 BPSK	135	0	12.47				
100	PI/2 BPSK	135	69	12.45				
100	PI/2 BPSK	135	138	12.46				
100	PI/2 BPSK	270	0	12.40			14.0	0.0
100	QPSK	1	1	12.08				
100	QPSK	1	137	12.61				
100	QPSK	1	271	12.11				
100	QPSK	135	0	12.47			14.0	0.0
100	QPSK	135	69	12.59				
100	QPSK	135	138	12.48				
100	QPSK	270	0	12.53				
100	16QAM	1	1	12.58			14.0	0.0
100	64QAM	1	1	12.60				
100	256QAM	1	1	12.49				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	14.0	0.0
90	QPSK	1	120	12.42	12.46	12.27		
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	12.55	12.31	12.30	14.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	12.48	12.25	12.29		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	14.0	0.0
60	QPSK	1	81	12.57	12.38	12.37		
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	12.36	12.28	12.16	14.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	12.44	12.40	12.25		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	14.0	0.0
30	QPSK	1	39	12.54	12.46	12.33		
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	12.51	12.28	12.19	14.0	0.0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	12.44	12.45	12.32		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	14.0	0.0
10	QPSK	1	12	12.43	12.45	12.18		

Part270 n77 Main PA Ant7 PC2&PC3 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	16.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.80	15.05	14.93		
100	PI/2 BPSK	1	137	15.90	16.22	16.00	16.5	0.0
100	PI/2 BPSK	1	271	15.05	15.53	15.38		
100	PI/2 BPSK	135	0	14.78	14.98	14.68		
100	PI/2 BPSK	135	69	15.83	16.26	15.79	16.5	0.0
100	PI/2 BPSK	135	138	14.83	15.35	14.82		
100	PI/2 BPSK	270	0	14.88	15.18	14.96		
100	QPSK	1	1	15.04	15.32	15.02	16.5	0.0
100	QPSK	1	137	16.06	16.39	16.12		
100	QPSK	1	271	15.08	15.62	15.46		
100	QPSK	135	0	14.98	15.10	14.92	16.5	0.0
100	QPSK	135	69	15.98	16.35	16.00		
100	QPSK	135	138	14.79	15.37	15.03		
100	QPSK	270	0	14.94	15.32	15.03	16.5	0.0
100	16QAM	1	1	15.81	16.22	15.72		
100	64QAM	1	1	15.67	16.30	15.72		
100	256QAM	1	1	15.71	16.11	16.01	16.5	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	120	15.95	16.30	16.02	16.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	16.01	16.26	16.08	16.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	95	16.03	16.27	16.05	16.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	16.01	16.33	15.99	16.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	16.01	16.25	16.08	16.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	15.96	16.27	16.04	16.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	39	16.00	16.31	16.09	16.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	15.98	16.36	16.02	16.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	16.00	16.26	16.04	16.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	12	15.97	16.34	16.05	16.5	0.0

Part270 n78 Main PA Ant7 PC2&PC3 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							16.5	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1		3750			
100	PI/2 BPSK	1	137		16.20		16.5	0.0
100	PI/2 BPSK	1	271		15.34			
100	PI/2 BPSK	135	0		14.69			
100	PI/2 BPSK	135	69		16.04		16.5	0.0
100	PI/2 BPSK	135	138		15.17			
100	PI/2 BPSK	270	0		15.10			
100	QPSK	1	1		15.18		16.5	0.0
100	QPSK	1	137		16.23			
100	QPSK	1	271		15.32			
100	QPSK	135	0		15.03		16.5	0.0
100	QPSK	135	69		15.21		16.5	0.0
100	QPSK	135	138		15.19		16.5	0.0
100	QPSK	270	0		15.13		16.5	0.0
100	16QAM	1	1		16.03		16.5	0.0
100	64QAM	1	1		16.09		16.5	0.0
100	256QAM	1	1		15.90		16.5	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	15.92	16.15	15.00	16.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	16.00	16.16	14.96	16.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	15.93	16.20	15.00	16.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	15.98	16.13	14.97	16.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	15.89	16.13	14.91	16.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	15.90	16.20	14.99	16.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	15.93	16.18	14.93	16.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	15.95	16.18	14.95	16.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	15.98	16.11	14.91	16.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	15.94	16.11	14.95	16.5	0.0

Uplink CA Power

CA_7C Ant1 Default&EC12								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.75	24.00
21100	21298	QPSK	1	99	1	0	22.81	24.00
21350	21152	QPSK	1	0	1	99	22.62	24.00

CA_38C Ant4 Default								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.49	24.00
37901	38099	QPSK	1	99	1	0	22.62	24.00
38150	37952	QPSK	1	0	1	99	22.53	24.00



Uplink CA Power

CA_7C Ant1 ECI3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.88	19.00
21100	21298	QPSK	1	99	1	0	18.01	19.00
21350	21152	QPSK	1	0	1	99	17.75	19.00

CA_38C Ant4 ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	14.75	16.00
37901	38099	QPSK	1	99	1	0	14.88	16.00
38150	37952	QPSK	1	0	1	99	14.69	16.00

CA_7C Ant1 ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.62	20.00
21100	21298	QPSK	1	99	1	0	18.81	20.00
21350	21152	QPSK	1	0	1	99	18.72	20.00

CA_38C Ant4 ECI3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	15.62	17.00
37901	38099	QPSK	1	99	1	0	15.77	17.00
38150	37952	QPSK	1	0	1	99	15.58	17.00



CA_7C Ant1 ECI7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.88	19.00
21100	21298	QPSK	1	99	1	0	18.01	19.00
21350	21152	QPSK	1	0	1	99	17.75	19.00

CA_38C Ant4 ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.35	21.50
37901	38099	QPSK	1	99	1	0	20.41	21.50
38150	37952	QPSK	1	0	1	99	20.32	21.50

CA_38C Ant4 ECI7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	11.62	13.00
37901	38099	QPSK	1	99	1	0	11.79	13.00
38150	37952	QPSK	1	0	1	99	11.55	13.00



Conducted Power for DL CA

2CA DL																
CA List	PCC									SCC					Power	
	LTE	BW	BW	UL		Mod.	UL#	UL	DL Antenna Configuratio	LTE	BW	DL	DL		With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB		Band	(MHz)	Freq.	Channel		Tx. Power	Tx. Power
				(MHz)					Offset			(MHz)			(dBm)	(dBm)
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4X4MIMO	22.89	22.95
	Band 7	Ant1	20M	2535	21100	QPSK	1		4X4MIMO	Band 5	10M	861.5	2525		22.96	23.04
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4X4MIMO	Band 7	5M	2687.5	3425	4X4MIMO	22.88	23.04
CA_7B	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4X4MIMO	Band 7	5M	2544.3	3193	4X4MIMO	22.97	23.04
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4X4MIMO	Band 7	20M	2554.8	3298	4X4MIMO	22.95	23.04
CA_38C	Band 38	Ant4	20M	2580	37850	QPSK	1	0	4X4MIMO	Band 38	20M	2599.8	38048	4X4MIMO	22.80	22.89

3CA DL

3CA List	PCC									SCC1					SCC2				DL Antenna Configuration	Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL		With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_41A-41A-41A	Band 41	Ant4	20M	2553	40620	QPSK	1	0	4X4MIMO	Band 41	5M	2887.5	41565	4X4MIMO	Band 41	20M	2506	39750	4X4MIMO	23.06	23.15
CA_41A-41C	Band 41	Ant4	20M	2675.8	39750	QPSK	1	0	4X4MIMO	Band 41	20M	2660.2	41292	4X4MIMO	Band 41	20M	2680	41490	4X4MIMO	23.10	23.15
CA_41D	Band 41	Ant4	20M	2553	40620	QPSK	1	0	4X4MIMO	Band 41	20M	2612.6	40618	4X4MIMO	Band 41	20M	2632.6	41016	4X4MIMO	22.97	23.15

Conducted Power for WLAN/Bluetooth

<2.4GHz WLAN>

Ant5				RF Full power Standalone for Extremity Standalone for		Standalone for Head		Non DBS for Head		Non DBS for Head		Standalone for Hotspot Non DBS for Body-worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.81	20.50	15.87	17.50	16.85	18.50	11.31	13.00	13.75	15.50	100%
		6	2437	18.89	20.50	16.94	17.50	16.92	18.50	11.69	13.00	13.86	15.50	
		11	2462	19.16	20.50	17.26	17.50	17.21	18.50	11.47	13.00	14.14	15.50	
	802.11g 6Mbps	1	2412	18.81	19.50	15.12	16.50	15.12	16.50		13.00		15.50	100%
		6	2437	18.51	20.00	16.03	17.50	16.47	18.00		13.00		15.50	
		11	2462	16.02	17.50	15.43	17.00	16.02	17.50		13.00		15.50	
	802.11n-HT20 MCS0	2	2417	17.43	19.00	15.50	17.00	16.58	18.00	Not request	13.00	Not request	15.50	100%
		6	2412	14.14	15.50		15.50	14.14	15.50		13.00		15.50	
		11	2462	18.66	20.00		17.50	16.71	18.50		13.00		15.50	
		11	2462	16.11	17.50		17.00	16.11	17.50		13.00		15.50	100%
		2	2417	16.36	18.00		17.00	16.36	18.00		13.00		15.50	

<5.2GHz WLAN>

Ant5				RF Full power Standalone for Extremity		Standalone for Head/Hotspot		Non DBS for Head		Non DBS for Extremity		Standalone for Body-worn		Non DBS for Body-worn			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.66	19.50		15.00		12.00		17.00	16.57	18.50		14.00	100%	
		40	5200	17.61	19.50		15.00		12.00		17.00	16.88	18.50		14.00		
		44	5220	17.96	19.50		15.00		12.00		17.00	17.02	18.50		14.00		
	802.11n-HT20 MCS0	48	5240	17.93	19.50		15.00		12.00		Not request	17.00	16.98	18.50		14.00	100%
		36	5180	17.56	19.00		15.00		12.00		17.00			18.50		14.00	
		40	5200	17.67	19.00		15.00		12.00		17.00			19.50		14.00	
	802.11n-HT40 MCS0	44	5220	17.79	19.00		15.00		12.00		17.00			18.50		14.00	100%
		48	5240	17.82	19.00		15.00		12.00		17.00			18.50		14.00	
		38	5190	15.71	17.00		15.00		12.00	15.71	17.00			17.00	Not request	14.00	
	802.11ac-VHT40 MCS0	46	5230	15.72	17.00		15.00		12.00		17.00			17.00		14.00	100%
		36	5180	17.61	19.00		15.00		12.00		17.00	Not request		18.50		14.00	
		40	5200	17.74	19.00		15.00		12.00		17.00			18.50		14.00	
	802.11ac-VHT80 MCS0	44	5220	17.83	19.00		15.00		12.00		17.00			18.50		14.00	100%
		48	5240	17.88	19.00		15.00		12.00		17.00			19.50		14.00	
		38	5190	15.73	17.00		15.00		12.00		17.00	Not request		17.00		14.00	
	802.11ac-VHT40 MCS0	46	5230	15.77	17.00		15.00		12.00		17.00			17.00		14.00	100%
		42	5210	13.89	15.50	13.41	15.00	10.38	12.00		15.50		15.50	12.47	14.00	100%	

<5.3GHz WLAN>

Ant5				RF Full power Standalone for Extremity		Standalone for Head		Non DBS for Head		Non DBS for Extremity		Standalone for Body-worn		Non DBS for Body-worn			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.39	20.00		16.00		13.00		16.50	17.32	19.00		15.00		100%
		56	5280	18.51	20.00		16.00		13.00		16.50	17.48	19.00		15.00		
		60	5300	18.45	20.00		16.00		13.00		16.50	17.38	19.00		15.00		
	802.11n-HT20 MCS0	64	5320	17.37	19.00		16.00		13.00		16.50	17.37	19.00		15.00		100%
		52	5260	18.26	19.50		16.00		13.00	Not request	16.50		19.00		15.00		
		56	5280	18.28	19.50		16.00		13.00		16.50		19.00		15.00		
	802.11n-HT40 MCS0	60	5300	18.37	19.50		16.00		13.00		16.50		19.00		15.00		100%
		64	5320	16.68	18.00	Not request	16.00	Not request	13.00		16.50		18.00	Not request	15.00		
		54	5270	16.23	17.50		16.00		13.00	16.23	17.50		17.50		15.00		
	802.11ac-VHT40 MCS0	62	5310	15.18	16.50		16.00		13.00	15.18	16.50		16.50		15.00		100%
		52	5260	18.31	20.00		16.00		13.00		16.50	Not request	19.00		15.00		
		56	5280	18.34	20.00		16.00		13.00		16.50		19.00		15.00		
	802.11ac-VHT20 MCS0	60	5300	18.41	20.00		16.00		13.00		16.50		19.00		15.00		100%
		64	5320	16.16	18.00		16.00		13.00	Not request	16.50		18.00		15.00		
		54	5270	16.29	17.50		16.00		13.00		16.50		17.50		15.00		
	802.11ac-VHT40 MCS0	62	5310	15.26	16.50		16.00		13.00		16.50		16.50		15.00		100%
		58	5290	14.72	16.50	14.27	16.00	11.22	13.00		16.50		16.50	13.35	15.00	100%	

<5.8GHz WLAN>

Ant5		RF Full power Stations for Extremity			Standalone for Head		Non DBS for Head		Non DBS for Extremity		Standalone for Body-worn		Non DBS for Body-worn		
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	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	100	5500	17.63	19.00		17.00		13.50		15.50		14.00		100%
		116	5580	17.61	19.00		17.00		13.50		15.50		14.00		
		124	5620	17.62	19.00		17.00		13.50		15.50		14.00		
		132	5660	17.56	19.00		17.00		13.50		15.50		14.00		
		140	5700	15.55	17.00		17.00		13.50		15.50		14.00		
		144	5720	17.58	19.00		17.00		13.50		15.50		14.00		
	802.11n-HT20 MCS0	100	5500	17.40	19.00	Not request	17.00		13.50		15.50		14.00		100%
		116	5580	17.27	19.00		17.00		13.50		15.50		14.00		
		124	5620	17.44	19.00		17.00		13.50		15.50		14.00		
		132	5660	17.37	19.00		17.00		13.50		15.50		14.00		
		140	5700	14.45	16.00		16.00		13.50		15.50		14.00		
		144	5720	17.35	19.00		17.00		13.50		15.50		14.00		
	802.11n-HT40 MCS0	102	5510	15.33	17.00		17.00		13.50		15.50		14.00		100%
		110	5550	15.37	17.00	15.37	17.00	Not request	13.50	Not request	15.50	Not request	14.00	Not request	
		126	5630	15.34	17.00	15.34	17.00	Not request	13.50	Not request	15.50	Not request	14.00	Not request	
		134	5670	15.37	17.00	15.37	17.00		13.50		15.50		14.00		
		142	5710	15.43	17.00	15.43	17.00		13.50		15.50		14.00		
		100	5500	17.46	19.00		17.00		13.50		15.50		14.00		
	802.11ac-VHT20 MCS0	116	5580	17.32	19.00		17.00		13.50		15.50		14.00		100%
		124	5620	17.48	19.00		17.00		13.50		15.50		14.00		
		132	5660	17.43	19.00		17.00		13.50		15.50		14.00		
		140	5700	14.51	16.00		16.00		13.50		15.50		14.00		
		144	5720	17.38	19.00		17.00		13.50		15.50		14.00		
		102	5510	15.41	17.00	Not request	17.00		13.50		15.50		14.00		
	802.11ac-VHT40 MCS0	110	5550	15.43	17.00		17.00		13.50		15.50		14.00		100%
126		5630	15.39	17.00		17.00		13.50		15.50		14.00			
134		5670	15.41	17.00		17.00		13.50		15.50		14.00			
142		5710	15.48	17.00		17.00		13.50		15.50		14.00			
100		5500	14.05	15.50		15.50	12.00	13.50	14.05	15.50	12.51	14.00	8.52	10.00	
122		5610	14.28	15.50		15.50	12.27	13.50	14.28	15.50	12.72	14.00	8.71	10.00	
802.11ac-VHT80 MCS0	134	5670	14.50	15.50		15.50	12.20	13.50	14.50	15.50	12.69	14.00	8.73	10.00	

BT BR/EDR			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.67	12.84	12.76
	CH 39	2441	14.64	12.68	12.57
	CH 78	2480	14.22	12.36	12.30
Tune-up Limit			15.5	14	14

BLE 1M			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	1.47		
	CH 19	2440	2.49		
	CH 39	2480	0.96		
Tune-up Limit			2.5		

BLE 1M			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	1.59		
	CH 19	2440	2.61		
	CH 39	2480	1.04		
Tune-up Limit			3		