



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)
	726	769	251		726	769	251	
TX Channel	854.2	836.4	848.8		854.2	836.4	848.8	
Frequency (MHz)				34.00				25.00
GPRS 1 Tx slot	32.85	32.89	32.75		23.85	23.89	23.75	
GPRS 2 Tx slots	31.81	31.96	31.76	33.50	25.81	25.96	25.76	27.50
GPRS 3 Tx slots	30.00	30.11	30.09	31.50	25.74	25.85	25.83	27.24
GPRS 4 Tx slots	29.99	29.95	29.81	30.50	25.99	25.95	25.81	27.50

GSM1900 Ant0 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)				30.50				21.50
GPRS 1 Tx slot	29.22	29.30	29.13		20.22	20.30	20.13	
GPRS 2 Tx slots	28.23	28.30	28.17	29.50	22.23	22.30	22.17	23.50
GPRS 3 Tx slots	26.07	26.16	26.01	27.50	21.81	21.90	21.75	23.24
GPRS 4 Tx slots	25.00	25.00	24.62	26.50	22.00	22.00	21.82	23.50

WCDMA II Ant0 Default				WCDMA V Ant0 Default				
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9252	8400	8536		4152	4162	4233	
TX Channel	9652	8900	8936		4357	4407	4456	
Frequency (MHz)	1852.4	1880	1607.6	24.00	826.4	836.4	846.6	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.50	22.58		22.84	22.86	22.78	



Band 2 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16700	16900	19100		
Frequency (MHz)				1660	1690	1900		
20	QPSK	1	0	22.46	22.48	22.38	24	0
20	QPSK	1	49	22.33	22.36	22.30		
20	QPSK	1	99	22.27	22.31	22.28		
20	QPSK	50	0	21.37	21.44	21.34	23	1
20	QPSK	50	24	21.34	21.42	21.34		
20	QPSK	50	50	21.19	21.38	21.22		
20	QPSK	100	0	21.28	21.37	21.28		

Band 5 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				50	0	-50		
Frequency (MHz)				5	0	-5		
10	QPSK	1	0	22.68	22.66	22.73	24	0
10	QPSK	1	25	22.73	22.74	22.66		
10	QPSK	1	49	22.57	22.58	22.53		
10	QPSK	25	0	21.82	21.84	21.90	23	1
10	QPSK	25	12	21.85	21.83	21.84		
10	QPSK	25	25	21.77	21.74	21.70		
10	QPSK	50	0	21.79	21.89	21.84		

Band 26 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26755	26855	26955		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.69	22.62	22.78	24	0
15	QPSK	1	37	22.81	22.76	22.66		
15	QPSK	1	74	22.53	22.60	22.68		
15	QPSK	36	0	21.84	22.07	21.99	23	1
15	QPSK	36	20	21.80	21.89	21.79		
15	QPSK	36	39	21.81	21.81	21.77		
15	QPSK	75	0	21.78	22.03	21.99		



Band 66 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.68	22.74	22.69		
20	QPSK	1	49	22.71	22.71	22.70	24	0
20	QPSK	1	99	22.53	22.69	22.57		
20	QPSK	50	0	21.74	21.96	21.84		
20	QPSK	50	24	21.88	21.87	21.81	23	1
20	QPSK	50	50	21.71	21.77	21.79		
20	QPSK	100	0	21.81	21.97	21.82		
20	16QAM	1	0	21.74	21.82	21.74		
20	16QAM	1	49	21.71	21.76	21.69	23	1
20	16QAM	1	99	21.61	21.79	21.74		
20	16QAM	50	0	20.78	21.00	20.82		
20	16QAM	50	24	20.88	20.78	20.82	22	2
20	16QAM	50	50	20.80	20.84	20.79		
20	16QAM	100	0	20.78	20.83	20.71		
20	64QAM	1	0	20.99	20.97	20.98		
20	64QAM	1	49	20.84	21.03	20.86	22	2
20	64QAM	1	99	20.80	20.87	20.85		
20	64QAM	50	0	19.82	19.92	19.85		
20	64QAM	50	24	19.84	19.86	19.71	21	3
20	64QAM	50	50	19.81	19.94	19.82		
20	64QAM	100	0	19.79	19.80	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.63	22.67	22.66		
15	QPSK	1	37	22.66	22.60	22.68	24	0
15	QPSK	1	74	22.47	22.64	22.52		
15	QPSK	36	0	21.73	21.90	21.75		
15	QPSK	36	20	21.78	21.80	21.78	23	1
15	QPSK	36	39	21.67	21.71	21.76		
15	QPSK	75	0	21.70	21.95	21.79		
15	16QAM	1	0	21.67	21.72	21.67		
15	16QAM	1	37	21.62	21.72	21.62	23	1
15	16QAM	1	74	21.59	21.76	21.70		
15	16QAM	36	0	20.72	20.97	20.81		
15	16QAM	36	20	20.79	20.75	20.80	22	2
15	16QAM	36	39	20.75	20.81	20.74		
15	16QAM	75	0	20.69	20.75	20.61		
15	64QAM	1	0	20.90	20.91	20.94		
15	64QAM	1	37	20.79	20.97	20.75	22	2
15	64QAM	1	74	20.69	20.79	20.78		
15	64QAM	36	0	19.77	19.88	19.81		
15	64QAM	36	20	19.75	19.84	19.66	21	3
15	64QAM	36	39	19.76	19.90	19.72		
15	64QAM	75	0	19.77	19.72	19.61		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.60	22.71	22.59		
10	QPSK	1	25	22.62	22.60	22.64	24	0
10	QPSK	1	49	22.42	22.65	22.52		
10	QPSK	25	0	21.70	21.91	21.77		
10	QPSK	25	12	21.86	21.78	21.80	23	1
10	QPSK	25	25	21.61	21.74	21.73		
10	QPSK	50	0	21.78	21.93	21.80		
10	16QAM	1	0	21.71	21.72	21.69		
10	16QAM	1	25	21.65	21.67	21.61	23	1
10	16QAM	1	49	21.55	21.76	21.71		
10	16QAM	25	0	20.70	20.98	20.72		
10	16QAM	25	12	20.65	20.75	20.75	22	2
10	16QAM	25	25	20.72	20.78	20.74		
10	16QAM	50	0	20.73	20.80	20.62		
10	64QAM	1	0	20.92	20.91	20.95		
10	64QAM	1	25	20.79	20.98	20.81	22	2
10	64QAM	1	49	20.72	20.85	20.74		
10	64QAM	25	0	19.74	19.88	19.78		
10	64QAM	25	12	19.80	19.78	19.62	21	3
10	64QAM	25	25	19.72	19.92	19.77		
10	64QAM	50	0	19.73	19.78	19.62		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.66	22.65	22.65		
5	QPSK	1	12	22.61	22.65	22.64	24	0
5	QPSK	1	24	22.43	22.67	22.55		
5	QPSK	12	0	21.71	21.94	21.73		
5	QPSK	12	7	21.87	21.78	21.75	23	1
5	QPSK	12	13	21.61	21.71	21.75		
5	QPSK	25	0	21.71	21.89	21.74		
5	16QAM	1	0	21.67	21.73	21.67		
5	16QAM	1	12	21.61	21.68	21.58	23	1
5	16QAM	1	24	21.60	21.72	21.68		
5	16QAM	12	0	20.70	20.95	20.77		
5	16QAM	12	7	20.79	20.69	20.77	22	2
5	16QAM	12	13	20.77	20.74	20.77		
5	16QAM	25	0	20.67	20.73	20.60		
5	64QAM	1	0	20.93	20.90	20.89		
5	64QAM	1	12	20.80	21.00	20.81	22	2
5	64QAM	1	24	20.73	20.81	20.83		
5	64QAM	12	0	19.76	19.87	19.84		
5	64QAM	12	7	19.81	19.84	19.64	21	3
5	64QAM	12	13	19.71	19.84	19.71		
5	64QAM	25	0	19.75	19.75	19.64		
Channel				131997	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
3	QPSK	1	0	22.60	22.65	22.64		
3	QPSK	1	8	22.60	22.62	22.64	24	0
3	QPSK	1	14	22.46	22.63	22.50		
3	QPSK	8	0	21.68	21.88	21.77		
3	QPSK	8	4	21.80	21.78	21.77	23	1
3	QPSK	8	7	21.65	21.70	21.71		
3	QPSK	15	0	21.76	21.92	21.74		
3	16QAM	1	0	21.65	21.78	21.70		
3	16QAM	1	8	21.61	21.70	21.61	23	1
3	16QAM	1	14	21.53	21.72	21.73		
3	16QAM	8	0	20.70	20.89	20.79		
3	16QAM	8	4	20.81	20.70	20.80	22	2
3	16QAM	8	7	20.71	20.74	20.74		
3	16QAM	15	0	20.75	20.80	20.65		
3	64QAM	1	0	20.96	20.91	20.96		
3	64QAM	1	8	20.81	21.00	20.78	22	2
3	64QAM	1	14	20.70	20.82	20.77		
3	64QAM	8	0	19.81	19.90	19.78		
3	64QAM	8	4	19.78	19.85	19.64	21	3
3	64QAM	8	7	19.71	19.93	19.72		
3	64QAM	15	0	19.74	19.73	19.70		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.62	22.65	22.62		
1.4	QPSK	1	3	22.68	22.66	22.60	24	0
1.4	QPSK	1	5	22.45	22.65	22.53		
1.4	QPSK	3	0	22.58	22.63	22.54		
1.4	QPSK	3	1	22.62	22.57	22.51		
1.4	QPSK	3	3	22.35	22.61	22.46		
1.4	QPSK	6	0	21.71	21.89	21.73	23	1
1.4	16QAM	1	0	21.70	21.78	21.69		
1.4	16QAM	1	3	21.67	21.67	21.67		
1.4	16QAM	1	5	21.53	21.72	21.69	23	1
1.4	16QAM	3	0	21.65	21.68	21.62		
1.4	16QAM	3	1	21.63	21.63	21.57		
1.4	16QAM	3	3	21.43	21.67	21.64		
1.4	16QAM	6	0	20.70	20.76	20.67	22	2
1.4	64QAM	1	0	20.91	20.93	20.88		
1.4	64QAM	1	3	20.82	20.98	20.82		
1.4	64QAM	1	5	20.75	20.80	20.79	22	2
1.4	64QAM	3	0	20.83	20.87	20.82		
1.4	64QAM	3	1	20.78	20.89	20.76		
1.4	64QAM	3	3	20.65	20.76	20.73		
1.4	64QAM	6	0	19.69	19.73	19.66	21	3

Band 7 Ant1 Default

Band	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		Channel			20650	21100	21550		
		Frequency (MHz)			2510	2535	2560		
	20	QPSK	1	0	22.84	23.02	22.93	24	0
	20	QPSK	1	49	22.82	22.94	22.84		
	20	QPSK	1	99	22.72	22.88	22.66		
	20	QPSK	50	0	21.82	21.98	21.84	23	1
	20	QPSK	50	24	21.78	21.90	21.78		
	20	QPSK	50	50	21.79	21.79	21.68		
	20	QPSK	100	0	21.79	21.91	21.83		



Band 38 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.78	22.88	22.81	24	0
20	QPSK	1	49	22.74	22.77	22.72		
20	QPSK	1	99	22.69	22.75	22.83		
20	QPSK	50	0	21.73	21.87	21.87	23	1
20	QPSK	50	24	21.63	21.73	21.63		
20	QPSK	50	50	21.55	21.72	21.63		
20	QPSK	100	0	21.63	21.75	21.69		

Band 41 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.85	22.76	22.94	22.85	22.75	24	0
20	QPSK	1	49	22.61	22.72	22.78	22.79	22.62		
20	QPSK	1	99	22.67	22.66	22.78	22.89	22.58		
20	QPSK	50	0	21.72	21.83	21.85	21.88	21.76	23	1
20	QPSK	50	24	21.62	21.75	21.76	21.72	21.53		
20	QPSK	50	50	21.70	21.58	21.78	21.65	21.64		
20	QPSK	100	0	21.80	21.66	21.87	21.72	21.63		

Band 66 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1710	1745	1770			
20	QPSK	1	0	20.38	20.50	20.46			
20	QPSK	1	49	20.47	20.47	20.37	21.5	0	
20	QPSK	1	99	20.30	20.45	20.25			
20	QPSK	50	0	19.58	19.64	19.56			
20	QPSK	50	24	19.53	19.54	19.48	20.5	1	
20	QPSK	50	50	19.48	19.54	19.45			
20	QPSK	100	0	19.53	19.66	19.51			
20	16QAM	1	0	19.41	19.43	19.38			
20	16QAM	1	49	19.37	19.42	19.24	20.5	1	
20	16QAM	1	99	19.29	19.40	19.34			
20	16QAM	50	0	18.57	18.62	18.66			
20	16QAM	50	24	18.50	18.62	18.48	19.5	2	
20	16QAM	50	50	18.46	18.62	18.58			
20	16QAM	100	0	18.52	18.67	18.43			
20	64QAM	1	0	18.33	18.34	18.35			
20	64QAM	1	49	18.32	18.33	18.27	19.5	2	
20	64QAM	1	99	18.11	18.39	18.29			
20	64QAM	50	0	17.58	17.64	17.43			
20	64QAM	50	24	17.54	17.62	17.53	18.5	3	
20	64QAM	50	50	17.50	17.54	17.57			
20	64QAM	100	0	17.61	17.61	17.51			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.29	20.48	20.45			
15	QPSK	1	37	20.39	20.38	20.32	21.5	0	
15	QPSK	1	74	20.26	20.44	20.16			
15	QPSK	36	0	19.47	19.60	19.47			
15	QPSK	36	20	19.49	19.47	19.37	20.5	1	
15	QPSK	36	39	19.38	19.53	19.35			
15	QPSK	75	0	19.50	19.59	19.46			
15	16QAM	1	0	19.36	19.39	19.36			
15	16QAM	1	37	19.30	19.40	19.21	20.5	1	
15	16QAM	1	74	19.22	19.37	19.24			
15	16QAM	36	0	18.54	18.58	18.60			
15	16QAM	36	20	18.41	18.57	18.45	19.5	2	
15	16QAM	36	39	18.38	18.55	18.47			
15	16QAM	75	0	18.45	18.60	18.36			
15	64QAM	1	0	18.25	18.29	18.25			
15	64QAM	1	37	18.24	18.24	18.20	19.5	2	
15	64QAM	1	74	18.04	18.35	18.23			
15	64QAM	36	0	17.52	17.57	17.38			
15	64QAM	36	20	17.52	17.59	17.45	18.5	3	
15	64QAM	36	39	17.40	17.49	17.49			
15	64QAM	75	0	17.58	17.55	17.46			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.34	20.40	20.40			
10	QPSK	1	25	20.41	20.45	20.33	21.5	0	
10	QPSK	1	49	20.29	20.38	20.22			
10	QPSK	25	0	19.48	19.63	19.50			
10	QPSK	25	12	19.50	19.51	19.41	20.5	1	
10	QPSK	25	25	19.44	19.45	19.36			
10	QPSK	50	0	19.51	19.65	19.46			
10	16QAM	1	0	19.38	19.39	19.27			
10	16QAM	1	25	19.35	19.40	19.13	20.5	1	
10	16QAM	1	49	19.22	19.30	19.28			
10	16QAM	25	0	18.54	18.55	18.50			
10	16QAM	25	12	18.48	18.60	18.43	19.5	2	
10	16QAM	25	25	18.43	18.51	18.51			
10	16QAM	50	0	18.45	18.65	18.37			
10	64QAM	1	0	18.29	18.29	18.31			
10	64QAM	1	25	18.24	18.25	18.25	19.5	2	
10	64QAM	1	49	18.08	18.32	18.23			
10	64QAM	25	0	17.57	17.53	17.35			
10	64QAM	25	12	17.45	17.51	17.50	18.5	3	
10	64QAM	25	25	17.41	17.44	17.49			
10	64QAM	50	0	17.57	17.55	17.41			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.34	20.43	20.38			
5	QPSK	1	12	20.38	20.38	20.33	21.5	0	
5	QPSK	1	24	20.19	20.34	20.21			
5	QPSK	12	0	19.52	19.60	19.53			
5	QPSK	12	7	19.50	19.46	19.44	20.5	1	
5	QPSK	12	13	19.46	19.44	19.42			
5	QPSK	25	0	19.47	19.61	19.47			
5	16QAM	1	0	19.35	19.33	19.35			
5	16QAM	1	12	19.31	19.39	19.20	20.5	1	
5	16QAM	1	24	19.21	19.34	19.25			
5	16QAM	12	0	18.53	18.52	18.60			
5	16QAM	12	7	18.42	18.53	18.38	19.5	2	
5	16QAM	12	13	18.41	18.59	18.56			
5	16QAM	25	0	18.42	18.62	18.41			
5	64QAM	1	0	18.26	18.26	18.30			
5	64QAM	1	12	18.26	18.28	18.23	19.5	2	
5	64QAM	1	24	18.07	18.37	18.26			
5	64QAM	12	0	17.55	17.58	17.38			
5	64QAM	12	7	17.47	17.58	17.49	18.5	3	
5	64QAM	12	13	17.45	17.44	17.50			
5	64QAM	25	0	17.57	17.59	17.40			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.29	20.44	20.39			
3	QPSK	1	8	20.40	20.37	20.29	21.5	0	
3	QPSK	1	14	20.23	20.35	20.17			
3	QPSK	8	0	19.49	19.61	19.50			
3	QPSK	8	4	19.48	19.47	19.40	20.5	1	
3	QPSK	8	7	19.46	19.53	19.42			
3	QPSK	15	0	19.45	19.57	19.49			
3	16QAM	1	0	19.37	19.34	19.29			
3	16QAM	1	8	19.27	19.31	19.16	20.5	1	
3	16QAM	1	14	19.24	19.32	19.27			
3	16QAM	8	0	18.51	18.56	18.56			
3	16QAM	8	4	18.41	18.61	18.47	19.5	2	
3	16QAM	8	7	18.41	18.53	18.54			
3	16QAM	15	0	18.44	18.61	18.36			
3	64QAM	1	0	18.28	18.25	18.30			
3	64QAM	1	8	18.29	18.32	18.23	19.5	2	
3	64QAM	1	14	18.08	18.38	18.25			
3	64QAM	8	0	17.55	17.56	17.36			
3	64QAM	8	4	17.46	17.60	17.44	18.5	3	
3	64QAM	8	7	17.44	17.51	17.47			
3	64QAM	15	0	17.56	17.57	17.41			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.39	20.49	20.32			
1.4	QPSK	1	3	20.42	20.43	20.32	21.5	0	
1.4	QPSK	1	5	20.13	20.25	20.11			
1.4	QPSK	3	0	20.42	20.40	20.34			
1.4	QPSK	3	1	20.37	20.23	20.16			
1.4	QPSK	3	3	20.15	20.32	20.15			
1.4	QPSK	6	0	19.37	19.30	19.32	20.5	1	
1.4	16QAM	1	0	19.37	19.27	19.27			
1.4	16QAM	1	3	19.31	19.34	19.16	20.5	1	
1.4	16QAM	1	5	19.37	19.55	19.29			
1.4	16QAM	3	0	19.22	19.24	19.29			
1.4	16QAM	3	1	19.17	19.20	19.14			
1.4	16QAM	3	3	19.09	19.18	19.06			
1.4	16QAM	6	0	18.34	18.60	18.40	19.5	2	
1.4	64QAM	1	0	18.08	18.19	18.12			
1.4	64QAM	1	3	18.15	18.21	17.92			
1.4	64QAM	1	5	17.94	18.12	18.02	19.5	2	
1.4	64QAM	3	0	18.15	18.23	18.14			
1.4	64QAM	3	1	18.17	18.27	18.03			
1.4	64QAM	3	3	17.97	18.17	18.08	18.5	3	
1.4	64QAM	6	0	17.40	17.53	17.21			



Band 38 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				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.70	22.78	22.78		
20	QPSK	1	49	22.65	22.73	22.73		
20	QPSK	1	99	22.65	22.75	22.70		
20	QPSK	50	0	21.82	22.00	21.95		
20	QPSK	50	24	21.82	21.99	21.85		
20	QPSK	50	50	21.87	21.94	21.80		
20	QPSK	100	0	21.83	21.89	21.82		
Channel				39750	40185	40620	23	1
Frequency (MHz)				2606	2619.5	2633		
20	QPSK	1	0	22.85	23.00	23.11		
20	QPSK	1	49	22.75	22.91	23.04		
20	QPSK	1	99	22.78	22.92	23.03		
20	QPSK	50	0	21.88	22.05	22.17		
20	QPSK	50	24	21.84	21.98	22.16		
20	QPSK	50	50	21.92	21.94	22.12		
20	QPSK	100	0	21.94	22.00	22.15		

Band 41 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2606	2619.5	2633	2636.5	2650		
20	QPSK	1	0	22.85	23.00	23.11	22.98	22.87		
20	QPSK	1	49	22.75	22.91	23.04	23.06	22.82		
20	QPSK	1	99	22.78	22.92	23.03	22.97	22.80		
20	QPSK	50	0	21.88	22.05	22.17	22.11	22.06		
20	QPSK	50	24	21.84	21.98	22.16	22.01	21.93		
20	QPSK	50	50	21.92	21.94	22.12	22.02	21.92		
20	QPSK	100	0	21.94	22.00	22.15	22.07	21.87		

Band 41 HPUE Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	27	0
Frequency (MHz)				2606	2619.5	2633	2636.5	2650		
20	QPSK	1	0	25.62	25.86	25.98	25.94	25.79		
20	QPSK	1	49	25.67	25.74	25.94	25.80	25.74		
20	QPSK	1	99	25.63	25.78	25.94	25.87	25.70		
20	QPSK	50	0	24.91	24.96	25.05	25.01	24.83		
20	QPSK	50	24	24.78	24.90	24.95	24.88	24.78		
20	QPSK	50	50	24.79	24.84	24.94	24.92	24.75		
20	QPSK	100	0	24.79	24.86	24.94	24.89	24.83		



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	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.16	22.31	22.18	24	0
20	QPSK	1	49	22.15	22.19	22.05		
20	QPSK	1	99	22.00	22.09	22.00		
20	QPSK	50	0	21.24	21.33	21.17	23	1
20	QPSK	50	24	21.27	21.24	21.08		
20	QPSK	50	50	21.15	21.22	21.03		
20	QPSK	100	0	21.16	21.30	21.25		

Reduced Power Mode for Main PA EC12

GSM850 A-H0 EC12								
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	768	793		726	768	793	
	854.2	836.4	848.8	34.00	854.2	836.4	848.8	25.00
GPRS 1 Tx slot	32.85	32.89	32.75	34.00	23.85	23.89	23.75	25.00
GPRS 2 Tx slots	31.81	31.96	31.76	33.50	25.81	25.96	25.76	27.50
GPRS 3 Tx slots	30.00	30.11	30.09	31.50	25.74	25.85	25.83	27.24
GPRS 4 Tx slots	29.99	29.95	28.81	30.50	25.99	29.95	29.81	27.50

GSM1900 A-H0 EC12								
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
	1850.2	1860	1909.8	30.50	1850.2	1860	1909.8	21.50
GPRS 1 Tx slot	29.22	28.30	29.13	30.50	20.22	20.30	20.13	21.50
GPRS 2 Tx slots	29.23	28.30	28.17	29.50	22.23	22.30	22.17	23.50
GPRS 3 Tx slots	26.07	26.16	26.01	27.50	21.81	21.90	21.75	23.24
GPRS 4 Tx slots	25.00	25.00	24.62	26.50	22.00	22.00	21.82	23.50

WCDMA # A-H0 EC12				WCDMA V A-H0 EC12				
Band TX Channel Frequency (MHz)	WCDMA #			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9252	8400	8536		4152	4182	4233	
	1852.4	1880	1607.6	24.00	826.4	836.4	846.6	24.00
3GPP Rel 99 RMC 12.2kbps	22.55	22.50	22.58	24.00	22.84	22.86	22.78	24.00



Band 2 Ant0 DCI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16700	16900	19100		
Frequency (MHz)				1660	1690	1900		
20	QPSK	1	0	22.46	22.48	22.38	24	0
20	QPSK	1	49	22.33	22.36	22.30		
20	QPSK	1	99	22.27	22.31	22.28		
20	QPSK	50	0	21.37	21.44	21.34	23	1
20	QPSK	50	24	21.34	21.42	21.34		
20	QPSK	50	50	21.19	21.38	21.22		
20	QPSK	100	0	21.28	21.37	21.28		

Band 5 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				20450	20525	20600		
Frequency (MHz)				499	835.5	144		
10	QPSK	1	0	22.68	22.66	22.73	24	0
10	QPSK	1	25	22.73	22.74	22.66		
10	QPSK	1	49	22.57	22.58	22.53		
10	QPSK	25	0	21.82	21.84	21.90	23	1
10	QPSK	25	12	21.85	21.83	21.84		
10	QPSK	25	25	21.77	21.74	21.70		
10	QPSK	50	0	21.79	21.89	21.84		

Band 26 Ant0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26755	26855	26955		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.69	22.62	22.78	24	0
15	QPSK	1	37	22.81	22.76	22.66		
15	QPSK	1	74	22.53	22.60	22.68		
15	QPSK	36	0	21.84	22.07	21.99	23	1
15	QPSK	36	20	21.80	21.89	21.79		
15	QPSK	36	39	21.81	21.81	21.77		
15	QPSK	75	0	21.78	22.03	21.99		



Band 66 Ant0 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				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	22.68	22.74	22.69				
20	QPSK	1	49	22.71	22.71	22.70	24	0		
20	QPSK	1	99	22.53	22.69	22.57				
20	QPSK	50	0	21.74	21.96	21.84				
20	QPSK	50	24	21.88	21.87	21.81	23	1		
20	QPSK	50	50	21.71	21.77	21.79				
20	QPSK	100	0	21.81	21.97	21.82				
20	16QAM	1	0	21.74	21.82	21.74				
20	16QAM	1	49	21.71	21.76	21.69	23	1		
20	16QAM	1	99	21.61	21.79	21.74				
20	16QAM	50	0	20.78	21.00	20.82				
20	16QAM	50	24	20.88	20.78	20.82	22	2		
20	16QAM	50	50	20.80	20.84	20.79				
20	16QAM	100	0	20.78	20.83	20.71				
20	64QAM	1	0	20.99	20.97	20.98				
20	64QAM	1	49	20.84	21.03	20.86	22	2		
20	64QAM	1	99	20.80	20.87	20.85				
20	64QAM	50	0	19.82	19.92	19.85				
20	64QAM	50	24	19.84	19.86	19.71	21	3		
20	64QAM	50	50	19.81	19.94	19.82				
20	64QAM	100	0	19.79	19.80	19.72				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.63	22.67	22.66				
15	QPSK	1	37	22.66	22.60	22.68	24	0		
15	QPSK	1	74	22.47	22.64	22.52				
15	QPSK	36	0	21.73	21.90	21.75				
15	QPSK	36	20	21.78	21.80	21.78	23	1		
15	QPSK	36	39	21.67	21.71	21.76				
15	QPSK	75	0	21.70	21.95	21.79				
15	16QAM	1	0	21.67	21.72	21.67				
15	16QAM	1	37	21.62	21.72	21.62	23	1		
15	16QAM	1	74	21.59	21.76	21.70				
15	16QAM	36	0	20.72	20.97	20.81				
15	16QAM	36	20	20.79	20.75	20.80	22	2		
15	16QAM	36	39	20.75	20.81	20.74				
15	16QAM	75	0	20.69	20.75	20.61				
15	64QAM	1	0	20.90	20.91	20.94				
15	64QAM	1	37	20.79	20.97	20.75	22	2		
15	64QAM	1	74	20.69	20.79	20.78				
15	64QAM	36	0	19.77	19.88	19.81				
15	64QAM	36	20	19.75	19.84	19.66	21	3		
15	64QAM	36	39	19.76	19.90	19.72				
15	64QAM	75	0	19.77	19.72	19.61				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	22.60	22.71	22.59				
10	QPSK	1	25	22.62	22.60	22.64	24	0		
10	QPSK	1	49	22.42	22.65	22.52				
10	QPSK	25	0	21.70	21.91	21.77				
10	QPSK	25	12	21.86	21.78	21.80	23	1		
10	QPSK	25	25	21.61	21.74	21.73				
10	QPSK	50	0	21.78	21.93	21.80				
10	16QAM	1	0	21.71	21.72	21.69				
10	16QAM	1	25	21.65	21.67	21.61	23	1		
10	16QAM	1	49	21.55	21.76	21.71				
10	16QAM	25	0	20.70	20.98	20.72				
10	16QAM	25	12	20.65	20.75	20.75	22	2		
10	16QAM	25	25	20.72	20.78	20.74				
10	16QAM	50	0	20.73	20.80	20.62				
10	64QAM	1	0	20.92	20.91	20.95				
10	64QAM	1	25	20.79	20.98	20.81	22	2		
10	64QAM	1	49	20.72	20.85	20.74				
10	64QAM	25	0	19.74	19.88	19.78				
10	64QAM	25	12	19.80	19.78	19.62	21	3		
10	64QAM	25	25	19.72	19.92	19.77				
10	64QAM	50	0	19.73	19.78	19.62				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.66	22.65	22.65				
5	QPSK	1	12	22.61	22.65	22.64	24	0		
5	QPSK	1	24	22.43	22.67	22.55				
5	QPSK	12	0	21.71	21.94	21.73				
5	QPSK	12	7	21.87	21.78	21.75	23	1		
5	QPSK	12	13	21.61	21.71	21.75				
5	QPSK	25	0	21.71	21.89	21.74				
5	16QAM	1	0	21.67	21.73	21.67				
5	16QAM	1	12	21.61	21.68	21.58	23	1		
5	16QAM	1	24	21.60	21.72	21.68				
5	16QAM	12	0	20.70	20.95	20.77				
5	16QAM	12	7	20.79	20.69	20.77	22	2		
5	16QAM	12	13	20.77	20.74	20.77				
5	16QAM	25	0	20.67	20.73	20.60				
5	64QAM	1	0	20.93	20.90	20.89				
5	64QAM	1	12	20.80	21.00	20.81	22	2		
5	64QAM	1	24	20.73	20.81	20.83				
5	64QAM	12	0	19.76	19.87	19.84				
5	64QAM	12	7	19.81	19.84	19.64	21	3		
5	64QAM	12	13	19.71	19.84	19.71				
5	64QAM	25	0	19.75	19.75	19.64				
Channel				131997	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
3	QPSK	1	0	22.60	22.65	22.64				
3	QPSK	1	8	22.60	22.62	22.64	24	0		
3	QPSK	1	14	22.46	22.63	22.50				
3	QPSK	8	0	21.68	21.88	21.77				
3	QPSK	8	4	21.80	21.78	21.77	23	1		
3	QPSK	8	7	21.65	21.70	21.71				
3	QPSK	15	0	21.76	21.92	21.74				
3	16QAM	1	0	21.65	21.78	21.70				
3	16QAM	1	8	21.61	21.70	21.61	23	1		
3	16QAM	1	14	21.53	21.72	21.73				
3	16QAM	8	0	20.70	20.89	20.79				
3	16QAM	8	4	20.81	20.70	20.80	22	2		
3	16QAM	8	7	20.71	20.74	20.74				
3	16QAM	15	0	20.75	20.80	20.65				
3	64QAM	1	0	20.96	20.91	20.96				
3	64QAM	1	8	20.81	21.00	20.78	22	2		
3	64QAM	1	14	20.70	20.82	20.77				
3	64QAM	8	0	19.81	19.90	19.78				
3	64QAM	8	4	19.78	19.85	19.64	21	3		
3	64QAM	8	7	19.71	19.93	19.72				
3	64QAM	15	0	19.74	19.73	19.70				
Channel				131979	132322	132695	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	22.62	22.65	22.62				
1.4	QPSK	1	3	22.68	22.66	22.60	24	0		
1.4	QPSK	1	5	22.45	22.65	22.53				
1.4	QPSK	3	0	22.58	22.63	22.54				
1.4	QPSK	3	1	22.62	22.57	22.51				
1.4	QPSK	3	3	22.35	22.61	22.46				
1.4	QPSK	6	0	21.71	21.89	21.73	23	1		
1.4	16QAM	1	0	21.70	21.78	21.69				
1.4	16QAM	1	3	21.67	21.67	21.67				
1.4	16QAM	1	5	21.53	21.72	21.69	23	1		
1.4	16QAM	3	0	21.65	21.68	21.62				
1.4	16QAM	3	1	21.63	21.63	21.57				
1.4	16QAM	3	3	21.43	21.67	21.64				
1.4	16QAM	6	0	20.70	20.76	20.67	22	2		
1.4	64QAM	1	0	20.91	20.93	20.88				

Band 7 Ant1 ECI2

Channel	Frequency (MHz)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	20650					20650	21100	21550		
	2210					2210	2255	2300		
	2284	20	QPSK	1	0	22.84	23.02	22.93		
	22.82	20	QPSK	1	49	22.82	22.94	22.84	24	0
	22.72	20	QPSK	1	99	22.72	22.88	22.66		
	21.82	20	QPSK	50	0	21.82	21.98	21.84		
	21.78	20	QPSK	50	24	21.78	21.90	21.75	23	1
	21.79	20	QPSK	50	50	21.79	21.79	21.68		
	21.79	20	QPSK	100	0	21.79	21.91	21.83		



Band 38 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				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.78	22.88	22.81		
20	QPSK	1	49	22.74	22.77	22.72	23	1
20	QPSK	1	99	22.69	22.75	22.83		
20	QPSK	50	0	21.73	21.87	21.87		
20	QPSK	50	24	21.63	21.73	21.63	23	1
20	QPSK	50	50	21.55	21.72	21.63		
20	QPSK	100	0	21.63	21.75	21.69		

Band 41 Ant1 ECI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.85	22.76	22.94	22.85	22.75		
20	QPSK	1	49	22.61	22.72	22.78	22.79	22.62	23	1
20	QPSK	1	99	22.67	22.66	22.78	22.89	22.58		
20	QPSK	50	0	21.72	21.83	21.89	21.88	21.76		
20	QPSK	50	24	21.62	21.75	21.76	21.72	21.53	23	1
20	QPSK	50	50	21.70	21.58	21.78	21.65	21.64		
20	QPSK	100	0	21.80	21.66	21.87	21.72	21.63		

Band 66 Ant4 ECI2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freed.	Middle Ch. / Freed.	High Ch. / Freed.		
Channel				132072	132322	132572		
Frequency (MHz)				1745	1745	1770		
20	QPSK	1	0	19.57	19.63	19.50	20.5	0
20	QPSK	1	49	19.44	19.45	19.50		
20	QPSK	1	99	19.45	19.52	19.34		
20	QPSK	50	0	19.50	19.60	19.58	20.5	0
20	QPSK	50	24	19.29	19.56	19.58		
20	QPSK	50	50	19.31	19.51	19.36		
20	QPSK	100	0	19.49	19.52	19.44	20.5	0
20	16QAM	1	0	19.39	19.52	19.35		
20	16QAM	1	49	19.37	19.35	19.58		
20	16QAM	1	99	19.53	19.42	19.44	19.5	1
20	16QAM	50	0	18.54	18.52	18.59		
20	16QAM	50	24	18.43	18.53	18.38		
20	16QAM	50	50	18.37	18.49	18.58	19.5	1
20	16QAM	100	0	18.43	18.51	18.35		
20	64QAM	1	0	18.26	18.22	18.17		
20	64QAM	1	49	18.19	18.20	18.25	19.5	1
20	64QAM	1	99	18.07	18.27	18.22		
20	64QAM	50	0	17.50	17.59	17.37		
20	64QAM	50	24	17.36	17.47	17.41	18.5	2
20	64QAM	50	50	17.41	17.44	17.41		
20	64QAM	100	0	17.47	17.54	17.36		
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.49	19.57	19.40	20.5	0
15	QPSK	1	37	19.43	19.43	19.46		
15	QPSK	1	74	19.35	19.50	19.26		
15	QPSK	36	0	19.47	19.57	19.57	20.5	0
15	QPSK	36	20	19.25	19.49	19.57		
15	QPSK	36	39	19.23	19.48	19.32		
15	QPSK	75	0	19.44	19.46	19.35	20.5	0
15	16QAM	1	0	19.34	19.50	19.29		
15	16QAM	1	37	19.30	19.29	19.52		
15	16QAM	1	74	19.45	19.39	19.42	19.5	1
15	16QAM	36	0	18.44	18.42	18.55		
15	16QAM	36	20	18.38	18.49	18.27		
15	16QAM	36	39	18.34	18.45	18.50	19.5	1
15	16QAM	75	0	18.37	18.43	18.29		
15	64QAM	1	0	18.17	18.11	18.07		
15	64QAM	1	37	18.11	18.12	18.15	19.5	1
15	64QAM	1	74	18.03	18.20	18.13		
15	64QAM	36	0	17.42	17.49	17.27		
15	64QAM	36	20	17.26	17.43	17.33	18.5	2
15	64QAM	36	39	17.38	17.42	17.39		
15	64QAM	75	0	17.39	17.52	17.32		
Channel				132022	132322	132622		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.48	19.56	19.46	20.5	0
10	QPSK	1	25	19.34	19.41	19.48		
10	QPSK	1	49	19.40	19.44	19.29		
10	QPSK	25	0	19.44	19.51	19.53	20.5	0
10	QPSK	25	12	19.20	19.49	19.54		
10	QPSK	25	25	19.26	19.42	19.31		
10	QPSK	50	0	19.38	19.51	19.38	20.5	0
10	16QAM	1	0	19.31	19.49	19.33		
10	16QAM	1	25	19.28	19.30	19.56		
10	16QAM	1	49	19.49	19.32	19.36	19.5	1
10	16QAM	25	0	18.51	18.45	18.46		
10	16QAM	25	12	18.34	18.44	18.30		
10	16QAM	25	25	18.32	18.42	18.45	19.5	1
10	16QAM	50	0	18.42	18.43	18.27		
10	64QAM	1	0	18.17	18.13	18.13		
10	64QAM	1	25	18.17	18.13	18.15	19.5	1
10	64QAM	1	49	17.97	18.23	18.18		
10	64QAM	25	0	17.45	17.56	17.27		
10	64QAM	25	12	17.26	17.40	17.32	18.5	2
10	64QAM	25	25	17.31	17.37	17.36		
10	64QAM	50	0	17.37	17.46	17.33		
Channel				131997	132322	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.47	19.58	19.40	20.5	0
5	QPSK	1	12	19.42	19.35	19.41		
5	QPSK	1	24	19.44	19.46	19.29		
5	QPSK	12	0	19.43	19.56	19.54	20.5	0
5	QPSK	12	7	19.22	19.54	19.47		
5	QPSK	12	13	19.21	19.41	19.31		
5	QPSK	25	0	19.38	19.47	19.39	20.5	0
5	16QAM	1	0	19.33	19.42	19.28		
5	16QAM	1	12	19.30	19.27	19.54		
5	16QAM	1	24	19.50	19.34	19.42	19.5	1
5	16QAM	12	0	18.51	18.46	18.51		
5	16QAM	12	7	18.35	18.44	18.29		
5	16QAM	12	13	18.29	18.45	18.53	19.5	1
5	16QAM	25	0	18.41	18.49	18.27		
5	64QAM	1	0	18.24	18.15	18.13		
5	64QAM	1	12	18.13	18.14	18.20	19.5	1
5	64QAM	1	24	18.02	18.20	18.16		
5	64QAM	12	0	17.41	17.56	17.29		
5	64QAM	12	7	17.29	17.37	17.36	18.5	2
5	64QAM	12	13	17.31	17.38	17.39		
5	64QAM	25	0	17.44	17.48	17.29		
Channel				131987	132322	132657		
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.54	19.54	19.42	20.5	0
3	QPSK	1	8	19.36	19.43	19.44		
3	QPSK	1	14	19.34	19.42	19.23		
3	QPSK	8	0	19.43	19.49	19.56	20.5	0
3	QPSK	8	4	19.21	19.51	19.54		
3	QPSK	8	7	19.21	19.41	19.29		
3	QPSK	15	0	19.41	19.46	19.37	20.5	0
3	16QAM	1	0	19.36	19.45	19.29		
3	16QAM	1	8	19.35	19.34	19.55		
3	16QAM	1	14	19.43	19.33	19.40	19.5	1
3	16QAM	8	0	18.52	18.41	18.56		
3	16QAM	8	4	18.37	18.49	18.33		
3	16QAM	8	7	18.31	18.43	18.54	19.5	1
3	16QAM	15	0	18.39	18.42	18.29		
3	64QAM	1	0	18.25	18.16	18.12		
3	64QAM	1	8	18.11	18.15	18.21	19.5	1
3	64QAM	1	14	18.05	18.17	18.14		
3	64QAM	8	0	17.42	17.57	17.27		
3	64QAM	8	4	17.31	17.44	17.31	18.5	2
3	64QAM	8	7	17.38	17.42	17.38		
3	64QAM	15	0	17.46	17.46	17.27		
Channel				131979	132322	132665		
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	19.37	19.42	19.43	20.5	0
1.4	QPSK	1	3	19.37	19.35	19.38		
1.4	QPSK	1	5	19.30	19.34	19.28		
1.4	QPSK	3	0	19.38	19.39	19.36	20.5	0
1.4	QPSK	3	1	19.03	19.34	19.48		
1.4	QPSK	3	3	19.35	19.43	19.22		
1.4	QPSK	6	0	19.26	19.53	19.32	20.5	0
1.4	16QAM	1	0	19.29	19.25	19.17		
1.4	16QAM	1	3	19.27	19.34	19.41		
1.4	16QAM	1	5	19.26	19.21	19.23	20.5	0
1.4	16QAM	3	0	19.32	19.35	19.34		
1.4	16QAM	3	1	19.51	19.40	19.43		
1.4	16QAM	3	3	19.26	19.35	19.40	19.5	1
1.4	16QAM	6	0	18.18	18.44	18.28		
1.4	64QAM	1	0	18.00	17.94	17.89		
1.4	64QAM	1	3	17.92	18.05	17.81	19.5	1
1.4	64QAM	1	5	17.79	17.91	17.78		
1.4	64QAM	3	0	18.02	18.05	17.98		
1.4	64QAM	3	1	18.03	18.12	17.84	18.5	2
1.4	64QAM	3	3	17.81	17.97	17.89		
1.4	64QAM	6	0	17.24	17.29	17.11		



Band 38 Main PA Ant4 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				37850	38000	38150	16	0
Frequency (MHz)				2580	2585	2610		
20	QPSK	1	0	14.79	14.83	14.88		
20	QPSK	1	49	14.74	14.77	14.76		
20	QPSK	1	99	14.71	14.75	14.72		
20	QPSK	50	0	14.76	14.83	14.76		
20	QPSK	50	24	14.68	14.70	14.75		
20	QPSK	50	50	14.64	14.73	14.70		
20	QPSK	100	0	14.63	14.74	14.65		

Band 41 Main PA Ant4 EC12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	14.5	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	13.49	13.49	13.62	13.45	13.60		
20	QPSK	1	49	13.41	13.40	13.61	13.60	13.54		
20	QPSK	1	99	13.32	13.34	13.42	13.69	13.47		
20	QPSK	50	0	13.35	13.44	13.63	13.42	13.47		
20	QPSK	50	24	13.33	13.42	13.46	13.39	13.33		
20	QPSK	50	50	13.38	13.28	13.50	13.48	13.49		
20	QPSK	100	0	13.33	13.48	13.62	13.43	13.33		

Band 41 HPUE Main PA Ant4 EC12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	17.5	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.25	16.21	16.56	16.29	16.41		
20	QPSK	1	49	16.25	16.36	16.36	16.34	16.34		
20	QPSK	1	99	16.11	16.28	16.33	16.37	16.32		
20	QPSK	50	0	16.32	16.29	16.40	16.15	16.20		
20	QPSK	50	24	16.19	16.26	16.25	16.53	16.21		
20	QPSK	50	50	16.17	16.18	16.24	16.37	16.33		
20	QPSK	100	0	16.11	16.33	16.41	16.28	16.16		



Band 42 FCC Part27Q ECI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.78	15.94	15.79	17.5	0
20	QPSK	1	49	15.83	15.81	15.69		
20	QPSK	1	99	15.83	15.86	15.76		
20	QPSK	50	0	15.82	15.90	15.72	17.5	0
20	QPSK	50	24	15.75	15.88	15.77		
20	QPSK	50	50	15.81	15.85	15.79		
20	QPSK	100	0	15.77	15.88	15.74		

Reduced Power Mode for Main PA EC13

GSM850 AnH0 EC13								
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	768	793		726	768	793	
	854.2	836.4	848.8		854.2	836.4	848.8	
GPRS 1 Tx slot	30.10	30.11	29.96	31.00	21.10	21.11	20.96	22.00
GPRS 2 Tx slots	29.00	29.14	28.94	30.50	23.00	23.14	22.94	24.50
GPRS 3 Tx slots	27.20	27.36	27.35	29.50	22.94	23.12	23.09	24.24
GPRS 4 Tx slots	26.16	26.23	26.01	27.50	23.16	23.23	23.01	24.50

GSM1900 AnH0 EC13								
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	
	1850.2	1860	1909.8		1850.2	1860	1909.8	
GPRS 1 Tx slot	22.56	22.60	22.25	23.50	13.56	13.60	13.55	14.50
GPRS 2 Tx slots	21.52	21.66	21.44	22.50	15.52	15.66	15.44	16.50
GPRS 3 Tx slots	19.43	19.53	19.32	20.50	15.17	15.27	15.06	16.24
GPRS 4 Tx slots	18.35	18.37	18.15	19.50	15.35	15.37	15.15	16.50

Band	WCDMA # AnH0 EC13			Tune-up Limit (dBm)	WCDMA V AnH0 EC13			Tune-up Limit (dBm)
	9252	9400	9536		4152	4162	4233	
	9652	9900	9936		4357	4407	4455	
	1852.4	1880	1607.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2kops	15.55	15.71	15.65	17.00	21.23	21.37	21.32	22.50



Band 2 Ant0 EC13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.26	15.30	15.14			
20	QPSK	1	49	15.00	15.11	15.15	14.5	0	
20	QPSK	1	99	15.23	15.29	15.29			
20	QPSK	50	0	15.13	15.25	15.20			
20	QPSK	50	24	15.09	15.11	15.18	14.5	0	
20	QPSK	50	50	15.08	15.10	15.16			
20	QPSK	100	0	15.09	15.15	15.12			

Band 5 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)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.98	22.96	22.73			
10	QPSK	1	25	22.73	22.74	22.66	24	0	
10	QPSK	1	49	22.97	22.98	22.93			
10	QPSK	25	0	21.92	21.94	21.90			
10	QPSK	25	12	21.86	21.83	21.84	23	1	
10	QPSK	25	25	21.77	21.74	21.70			
10	QPSK	50	0	21.79	21.89	21.84			

Band 26 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.89	22.92	22.78			
15	QPSK	1	37	22.81	22.76	22.66	24	0	
15	QPSK	1	74	22.93	22.86	22.88			
15	QPSK	36	0	21.84	22.07	21.90			
15	QPSK	36	20	21.80	21.89	21.79	23	1	
15	QPSK	36	39	21.81	21.81	21.77			
15	QPSK	72	0	21.78	22.03	21.96			

Band 66 Ant0 EC13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.22	17.20	17.14			
20	QPSK	1	49	17.02	17.13	17.23	18.5	0	
20	QPSK	1	99	17.20	17.13	17.16			
20	QPSK	50	0	17.18	17.26	17.15			
20	QPSK	50	24	17.12	17.24	17.21	18.5	0	
20	QPSK	50	50	17.16	17.20	17.14			
20	QPSK	100	0	17.10	17.22	17.18			
20	16QAM	1	0	17.12	17.13	17.12	18.5	0	
20	16QAM	1	49	17.11	17.19	17.20			
20	16QAM	1	99	17.13	17.23	17.11			
20	16QAM	50	0	17.12	17.13	17.12	18.5	0	
20	16QAM	50	24	17.12	17.19	16.99			
20	16QAM	50	50	17.12	17.24	17.14			
20	16QAM	100	0	17.13	17.23	17.07			
20	16QAM	1	0	17.11	17.13	17.09	18.5	0	
20	16QAM	1	49	17.08	17.20	17.24			
20	16QAM	1	99	17.17	17.25	17.14			
20	16QAM	50	0	17.12	17.16	17.06	18.5	0	
20	16QAM	50	24	17.16	17.21	17.09			
20	16QAM	50	50	17.15	17.23	17.13			
20	16QAM	100	0	17.15	17.23	17.13			
Channel									
Frequency (MHz)									
16	QPSK	1	0	17.11	17.25	17.06			
16	QPSK	1	37	17.02	17.11	17.21	18.5	0	
16	QPSK	1	74	17.10	17.08	17.13			
16	QPSK	36	0	17.08	17.17	17.14			
16	QPSK	36	20	17.00	17.10	16.99	18.5	0	
16	QPSK	36	39	17.09	17.11	17.07			
16	QPSK	72	0	17.08	17.17	17.07			
16	16QAM	1	0	17.09	17.03	17.06	18.5	0	
16	16QAM	1	37	17.02	17.09	17.16			
16	16QAM	1	74	17.07	17.20	17.03			
16	16QAM	36	0	17.10	17.06	17.08	18.5	0	
16	16QAM	36	20	17.11	17.10	16.99			
16	16QAM	36	39	17.11	17.24	17.12			
16	16QAM	72	0	17.06	17.02	17.06	18.5	0	
16	16QAM	1	0	17.06	17.06	17.04			
16	16QAM	1	37	17.15	17.15	17.19	18.5	0	
16	16QAM	1	74	17.11	17.19	17.16			
16	16QAM	36	0	17.05	17.07	17.03	18.5	0	
16	16QAM	36	20	17.13	17.20	17.00			
16	16QAM	36	39	17.16	17.16	17.02			
16	16QAM	72	0	17.11	17.16	17.05	18.5	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.17	17.27	17.11			
10	QPSK	1	25	17.04	17.13	17.18	18.5	0	
10	QPSK	1	49	17.14	17.08	17.10			
10	QPSK	25	0	17.10	17.25	17.07			
10	QPSK	25	12	17.10	17.08	16.96	18.5	0	
10	QPSK	25	25	17.09	17.17	17.05			
10	QPSK	50	0	17.07	17.16	17.09			
10	16QAM	1	0	17.15	17.04	17.10	18.5	0	
10	16QAM	1	25	17.06	17.15	17.10			
10	16QAM	1	49	17.06	17.20	17.04			
10	16QAM	25	0	17.07	17.08	17.02	18.5	0	
10	16QAM	25	12	17.08	17.17	17.05			
10	16QAM	25	25	17.10	17.21	17.06			
10	16QAM	50	0	17.11	17.17	17.05	18.5	0	
10	16QAM	1	0	17.08	17.06	17.00			
10	16QAM	1	25	17.11	17.17	17.16	18.5	0	
10	16QAM	1	49	17.12	17.20	17.13			
10	16QAM	25	0	17.08	17.08	17.06	18.5	0	
10	16QAM	25	12	17.18	17.18	17.06			
10	16QAM	25	25	17.10	17.18	17.03	18.5	0	
10	16QAM	50	0	17.05	17.20	17.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.10	17.27	17.06			
5	QPSK	1	12	17.02	17.12	17.17	18.5	0	
5	QPSK	1	24	17.11	17.11	17.12			
5	QPSK	12	0	17.15	17.19	17.11			
5	QPSK	12	7	17.05	17.03	16.95	18.5	0	
5	QPSK	12	13	17.10	17.17	17.12			
5	QPSK	25	0	17.06	17.16	17.16			
5	16QAM	1	0	17.17	17.11	17.07	18.5	0	
5	16QAM	1	12	17.08	17.15	17.17			
5	16QAM	1	24	17.12	17.14	17.08			
5	16QAM	12	0	17.07	17.07	17.10	18.5	0	
5	16QAM	12	7	17.04	17.09	16.98			
5	16QAM	12	13	17.10	17.19	17.05			
5	16QAM	25	0	17.11	17.15	17.02	18.5	0	
5	16QAM	1	0	17.04	17.09	17.04	18.5	0	
5	16QAM	1	12	17.16	17.11	17.05			
5	16QAM	1	24	17.15	17.23	17.08			
5	16QAM	12	0	17.05	17.14	17.05	18.5	0	
5	16QAM	12	7	17.14	17.04	16.97			
5	16QAM	12	13	17.13	17.21	17.05			
5	16QAM	25	0	17.13	17.21	17.04	18.5	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.15	17.22	17.10			
3	QPSK	1	8	17.16	17.16	17.18	18.5	0	
3	QPSK	1	14	17.10	17.11	17.13			
3	QPSK	8	0	17.08	17.25	17.10	18.5	0	
3	QPSK	8	4	17.02	17.11	16.96			
3	QPSK	8	7	17.14	17.12	17.10			
3	QPSK	16	0	17.01	17.12	17.10	18.5	0	
3	16QAM	1	0	17.10	17.08	17.09			
3	16QAM	1	8	17.08	17.15	17.17	18.5	0	
3	16QAM	1	14	17.05	17.17	17.01			
3	16QAM	8	0	17.09	17.19	17.09	18.5	0	
3	16QAM	8	4	17.03	17.11	16.90			
3	16QAM	8	7	17.13	17.19	17.11			
3	16QAM	16	0	17.09	17.19	17.06	18.5	0	
3	16QAM	1	0	17.03	17.09	17.03			
3	16QAM	1	8	17.13	17.17	17.22	18.5	0	
3	16QAM	1	14	17.11	17.16	17.06			
3	16QAM	8	0	17.03	17.08	17.02	18.5	0	
3	16QAM	8	4	17.12	17.25	16.99	18.5	0	
3	16QAM	8	7	17.14	17.17	17.08			
3	16QAM	16	0	17.14	17.19	17.04	18.5	0	
Channel									
Frequency (

Band 7 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.90	18.03	17.87		
20	QPSK	1	49	17.86	17.95	17.89	19	0
20	QPSK	1	99	17.76	17.90	17.97		
20	QPSK	50	0	17.91	17.98	17.86		
20	QPSK	50	24	17.82	17.86	17.93		
20	QPSK	50	50	17.83	17.97	17.79	19	0
20	QPSK	100	0	17.81	17.88	17.76		



Band 38 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				37850	38000	38150	20	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.51	18.67	18.55		
20	QPSK	1	49	18.44	18.57	18.48	20	0
20	QPSK	1	99	18.48	18.45	18.45		
20	QPSK	50	0	18.42	18.50	18.43		
20	QPSK	50	24	18.38	18.41	18.48	20	0
20	QPSK	50	50	18.50	18.49	18.43		
20	QPSK	100	0	18.44	18.62	18.52		

Band 41 Ant1 ECI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	20	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.79	18.78	18.90	18.81	18.88		
20	QPSK	1	49	18.58	18.69	18.72	18.59	18.77	20	0
20	QPSK	1	99	18.60	18.71	18.57	18.70	18.52		
20	QPSK	50	0	18.80	18.73	18.89	18.71	18.66		
20	QPSK	50	24	18.67	18.67	18.78	18.75	18.60	20	0
20	QPSK	50	50	18.83	18.66	18.80	18.69	18.65		
20	QPSK	100	0	18.70	18.78	18.83	18.59	18.69		

Band 66 Ant4 ECI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freed.	Middle Ch. / Freed.	High Ch. / Freed.		
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1770	1745	1770		
20	QPSK	1	0	19.91	20.02	19.91	21	0
20	QPSK	1	49	19.95	19.98	19.84		
20	QPSK	1	99	19.80	19.95	19.74		
20	QPSK	50	0	19.58	19.64	19.56	20.5	0.5
20	QPSK	50	24	19.53	19.54	19.48		
20	QPSK	50	50	19.48	19.54	19.45		
20	QPSK	100	0	19.53	19.61	19.51	20.5	0.5
20	16QAM	1	0	19.41	19.43	19.38		
20	16QAM	1	49	19.37	19.42	19.24		
20	16QAM	1	99	19.29	19.40	19.34	19.5	1.5
20	16QAM	50	0	18.57	18.62	18.66		
20	16QAM	50	24	18.50	18.62	18.48		
20	16QAM	50	50	18.46	18.62	18.58	19.5	1.5
20	16QAM	100	0	18.52	18.67	18.43		
20	64QAM	1	0	18.33	18.34	18.35		
20	64QAM	1	49	18.32	18.33	18.27	19.5	1.5
20	64QAM	1	99	18.11	18.39	18.29		
20	64QAM	50	0	17.58	17.64	17.43		
20	64QAM	50	24	17.54	17.62	17.53	18.5	2.5
20	64QAM	50	50	17.50	17.54	17.57		
20	64QAM	100	0	17.61	17.61	17.51		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.85	19.99	19.89	21	0
15	QPSK	1	37	19.91	19.94	19.76		
15	QPSK	1	74	19.77	19.92	19.73		
15	QPSK	36	0	19.47	19.60	19.47	20.5	0.5
15	QPSK	36	20	19.49	19.47	19.37		
15	QPSK	36	39	19.38	19.53	19.35		
15	QPSK	75	0	19.50	19.59	19.46	20.5	0.5
15	16QAM	1	0	19.36	19.39	19.36		
15	16QAM	1	37	19.30	19.40	19.21		
15	16QAM	1	74	19.22	19.37	19.24	19.5	1.5
15	16QAM	36	0	18.54	18.58	18.60		
15	16QAM	36	20	18.41	18.57	18.45		
15	16QAM	36	39	18.38	18.55	18.47	19.5	1.5
15	16QAM	75	0	18.45	18.60	18.36		
15	64QAM	1	0	18.25	18.29	18.25		
15	64QAM	1	37	18.24	18.24	18.20	19.5	1.5
15	64QAM	1	74	18.04	18.35	18.23		
15	64QAM	36	0	17.52	17.57	17.38		
15	64QAM	36	20	17.52	17.59	17.45	18.5	2.5
15	64QAM	36	39	17.40	17.49	17.49		
15	64QAM	75	0	17.58	17.55	17.46		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.87	19.95	19.89	21	0
10	QPSK	1	25	19.84	19.97	19.76		
10	QPSK	1	49	19.73	19.84	19.71		
10	QPSK	25	0	19.48	19.63	19.50	20.5	0.5
10	QPSK	25	12	19.50	19.51	19.41		
10	QPSK	25	25	19.44	19.45	19.36		
10	QPSK	50	0	19.51	19.65	19.46	20.5	0.5
10	16QAM	1	0	19.38	19.39	19.27		
10	16QAM	1	25	19.35	19.40	19.13		
10	16QAM	1	49	19.22	19.30	19.28	19.5	1.5
10	16QAM	25	0	18.54	18.55	18.60		
10	16QAM	25	12	18.48	18.60	18.43		
10	16QAM	25	25	18.43	18.51	18.51	19.5	1.5
10	16QAM	50	0	18.45	18.65	18.37		
10	64QAM	1	0	18.29	18.29	18.31		
10	64QAM	1	25	18.24	18.25	18.25	19.5	1.5
10	64QAM	1	49	18.08	18.32	18.23		
10	64QAM	25	0	17.57	17.53	17.35		
10	64QAM	25	12	17.45	17.51	17.50	18.5	2.5
10	64QAM	25	25	17.41	17.44	17.49		
10	64QAM	50	0	17.57	17.55	17.41		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.82	20.00	19.89	21	0
5	QPSK	1	12	19.87	19.86	19.75		
5	QPSK	1	24	19.74	19.91	19.65		
5	QPSK	12	0	19.52	19.60	19.53	20.5	0.5
5	QPSK	12	7	19.50	19.46	19.44		
5	QPSK	12	13	19.46	19.44	19.42		
5	QPSK	25	0	19.47	19.61	19.47	20.5	0.5
5	16QAM	1	0	19.35	19.33	19.35		
5	16QAM	1	12	19.31	19.39	19.20		
5	16QAM	1	24	19.21	19.34	19.25	19.5	1.5
5	16QAM	12	0	18.53	18.52	18.60		
5	16QAM	12	7	18.42	18.53	18.38		
5	16QAM	12	13	18.41	18.59	18.56	19.5	1.5
5	16QAM	25	0	18.42	18.62	18.41		
5	64QAM	1	0	18.26	18.26	18.30		
5	64QAM	1	12	18.26	18.28	18.23	19.5	1.5
5	64QAM	1	24	18.07	18.37	18.26		
5	64QAM	12	0	17.55	17.58	17.38		
5	64QAM	12	7	17.47	17.58	17.49	18.5	2.5
5	64QAM	12	13	17.45	17.44	17.50		
5	64QAM	25	0	17.57	17.59	17.40		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.80	20.00	19.86	21	0
3	QPSK	1	8	19.93	19.91	19.74		
3	QPSK	1	14	19.74	19.89	19.64		
3	QPSK	8	0	19.49	19.61	19.50	20.5	0.5
3	QPSK	8	4	19.48	19.47	19.40		
3	QPSK	8	7	19.46	19.53	19.42		
3	QPSK	15	0	19.45	19.57	19.49	20.5	0.5
3	16QAM	1	0	19.37	19.34	19.29		
3	16QAM	1	8	19.27	19.31	19.16		
3	16QAM	1	14	19.24	19.32	19.27	19.5	1.5
3	16QAM	8	0	18.51	18.56	18.56		
3	16QAM	8	4	18.41	18.61	18.47		
3	16QAM	8	7	18.41	18.53	18.54	19.5	1.5
3	16QAM	15	0	18.44	18.61	18.36		
3	64QAM	1	0	18.28	18.25	18.30		
3	64QAM	1	8	18.29	18.32	18.23	19.5	1.5
3	64QAM	1	14	18.06	18.36	18.25		
3	64QAM	8	0	17.55	17.56	17.36		
3	64QAM	8	4	17.46	17.60	17.44	18.5	2.5
3	64QAM	8	7	17.44	17.51	17.47		
3	64QAM	15	0	17.56	17.57	17.41		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	19.84	19.91	19.89	21	0
1.4	QPSK	1	3	19.94	19.87	19.76		
1.4	QPSK	1	5	19.76	19.91	19.71		
1.4	QPSK	3	0	19.84	19.92	19.61	20.5	0.5
1.4	QPSK	3	1	19.86	19.95	19.79		
1.4	QPSK	3	3	19.78	19.90	19.66		
1.4	QPSK	6	0	19.37	19.30	19.32	20.5	0.5
1.4	16QAM	1	0	19.37	19.27	19.27		
1.4	16QAM	1	3	19.31	19.34	19.16		
1.4	16QAM	1	5	19.37	19.55	19.29	20.5	0.5
1.4	16QAM	3	0	19.22	19.24	19.29		
1.4	16QAM	3	1	19.17	19.20	19.14		
1.4	16QAM	3	3	19.09	19.18	19.06	19.5	1.5
1.4	16QAM	6	0	18.34	18.60	18.40		
1.4	64QAM	1	0	18.08	18.19	18.12		
1.4	64QAM	1	3	18.15	18.21	17.92	19.5	1.5
1.4	64QAM	1	5	17.94	18.12	18.02		
1.4	64QAM	3	0	18.15	18.23	18.14		
1.4	64QAM	3	1	18.17	18.27	18.03	18.5	2.5
1.4	64QAM	3	3	17.97	18.17	18.08		
1.4	64QAM	6	0	17.40	17.53	17.21		



Band 38 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				37850	38000	38150	17	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.78	15.80	15.61		
20	QPSK	1	49	15.89	15.78	15.63		
20	QPSK	1	99	15.59	15.69	15.69		
20	QPSK	50	0	15.62	15.72	15.62		
20	QPSK	50	24	15.38	15.71	15.71		
20	QPSK	50	50	15.58	15.70	15.59		
20	QPSK	100	0	15.63	15.74	15.57		

Band 41 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	15.5	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.53	14.49	14.67	14.36	14.61		
20	QPSK	1	49	14.52	14.47	14.57	14.36	14.49		
20	QPSK	1	99	14.43	14.29	14.49	14.32	14.42		
20	QPSK	50	0	14.51	14.41	14.53	14.43	14.40		
20	QPSK	50	24	14.39	14.38	14.44	14.40	14.36		
20	QPSK	50	50	14.43	14.30	14.52	14.39	14.50		
20	QPSK	100	0	14.25	14.46	14.47	14.40	14.39		

Band 41 HPUE Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	18.5	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.35	17.42	17.61	17.32	17.45		
20	QPSK	1	49	17.48	17.38	17.56	17.39	17.38		
20	QPSK	1	99	17.43	17.30	17.41	17.30	17.35		
20	QPSK	50	0	17.39	17.37	17.58	17.47	17.22		
20	QPSK	50	24	17.38	17.36	17.28	17.29	17.34		
20	QPSK	50	50	17.21	17.15	17.40	17.37	17.36		
20	QPSK	100	0	17.16	17.33	17.37	17.32	17.29		



Band 42 FCC Part27Q ECI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.81	15.94	15.78	17.5	0
20	QPSK	1	49	15.76	15.81	15.77		
20	QPSK	1	99	15.83	15.88	15.72		
20	QPSK	50	0	15.84	15.91	15.75	17.5	0
20	QPSK	50	24	15.76	15.87	15.74		
20	QPSK	50	50	15.76	15.84	15.78		
20	QPSK	100	0	15.76	15.86	15.76		



Band 2 Ant0 ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				19700	19900	19100			
Frequency (MHz)				1960	1900	1900			
20	QPSK	1	0	15.82	15.84	15.81	17	0	
20	QPSK	1	49	15.68	15.81	15.77			
20	QPSK	1	99	15.61	15.81	15.83			
20	QPSK	50	0	15.74	15.79	15.73			
20	QPSK	50	24	15.63	15.76	15.77			
20	QPSK	50	50	15.75	15.66	15.67			
20	QPSK	100	0	15.68	15.76	15.72	17	0	

Band 5 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				20450	20525	20600			
Frequency (MHz)				420	435.5	441			
10	QPSK	1	0	22.68	22.66	22.73	24	0	
10	QPSK	1	25	22.73	22.74	22.66			
10	QPSK	1	49	22.57	22.58	22.53			
10	QPSK	25	0	21.82	21.84	21.90			
10	QPSK	25	12	21.85	21.83	21.84			
10	QPSK	25	25	21.77	21.74	21.70			
10	QPSK	50	0	21.79	21.89	21.84	23	1	

Band 26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26755	26855	26955			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.69	22.62	22.78	24	0	
15	QPSK	1	37	22.81	22.76	22.66			
15	QPSK	1	74	22.53	22.60	22.68			
15	QPSK	36	0	21.84	22.07	21.99			
15	QPSK	36	20	21.80	21.89	21.79			
15	QPSK	36	39	21.81	21.81	21.77	23	1	
15	QPSK	75	0	21.78	22.03	21.99			



Band 66 Ant0 EC16

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				132072	132322	132572		
Frequency (MHz)				1721	1745	1770		
20	QPSK	1	0	20.18	20.20	20.18		
20	QPSK	1	49	20.00	20.11	20.13	21.5	0
20	QPSK	1	99	19.90	20.09	19.91		
20	QPSK	50	0	20.03	20.18	20.10		
20	QPSK	50	24	19.92	20.06	19.94	21.5	0
20	QPSK	50	50	19.91	20.03	19.92		
20	QPSK	100	0	20.11	20.15	20.02		
20	16QAM	1	0	20.00	20.10	19.97		
20	16QAM	1	49	20.07	19.95	20.11	21.5	0
20	16QAM	1	99	20.02	19.96	19.98		
20	16QAM	50	0	19.98	20.12	19.90		
20	16QAM	50	24	20.02	19.97	19.89	21.5	0
20	16QAM	50	50	19.99	19.86	20.05		
20	16QAM	100	0	19.94	20.08	19.92		
20	64QAM	1	0	19.88	20.05	19.95		
20	64QAM	1	49	20.00	20.13	19.96	21.5	0
20	64QAM	1	99	20.00	20.04	19.80		
20	64QAM	50	0	19.22	19.34	19.25		
20	64QAM	50	24	19.22	19.33	19.12	21	0.5
20	64QAM	50	50	19.23	19.32	19.18		
20	64QAM	100	0	19.15	19.23	19.15		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.17	20.13	20.15		
15	QPSK	1	37	19.95	20.05	20.11	21.5	0
15	QPSK	1	74	19.80	20.05	19.90		
15	QPSK	36	0	20.02	20.12	20.01		
15	QPSK	36	20	19.86	19.98	19.88	21.5	0
15	QPSK	36	39	19.84	19.96	19.91		
15	QPSK	75	0	20.06	20.06	19.99		
15	16QAM	1	0	19.98	20.05	19.89		
15	16QAM	1	37	20.02	19.93	20.01	21.5	0
15	16QAM	1	74	19.99	19.90	19.92		
15	16QAM	36	0	19.88	20.04	19.84		
15	16QAM	36	20	19.92	19.90	19.87	21.5	0
15	16QAM	36	39	19.96	19.80	19.99		
15	16QAM	75	0	19.95	19.99	19.83		
15	64QAM	1	0	19.80	20.04	19.92		
15	64QAM	1	37	19.95	20.03	19.92	21.5	0
15	64QAM	1	74	19.95	20.01	19.72		
15	64QAM	36	0	19.20	19.32	19.22		
15	64QAM	36	20	19.13	19.24	19.09	21	0.5
15	64QAM	36	39	19.13	19.23	19.15		
15	64QAM	75	0	19.08	19.18	19.10		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.16	20.11	20.11		
10	QPSK	1	25	19.97	20.01	20.07	21.5	0
10	QPSK	1	49	19.84	20.05	19.88		
10	QPSK	25	0	19.95	20.09	20.06		
10	QPSK	25	12	19.87	19.96	19.91	21.5	0
10	QPSK	25	25	19.88	20.01	19.87		
10	QPSK	50	0	20.05	20.13	19.91		
10	16QAM	1	0	19.90	20.06	19.93		
10	16QAM	1	25	20.04	19.89	20.00	21.5	0
10	16QAM	1	49	19.96	19.93	19.87		
10	16QAM	25	0	19.94	20.02	19.85		
10	16QAM	25	12	19.96	19.87	19.82	21.5	0
10	16QAM	25	25	19.93	19.83	19.97		
10	16QAM	50	0	19.92	19.99	19.82		
10	64QAM	1	0	19.79	20.04	19.88		
10	64QAM	1	25	19.93	20.04	19.87	21.5	0
10	64QAM	1	49	19.93	19.94	19.74		
10	64QAM	25	0	19.14	19.32	19.17		
10	64QAM	25	12	19.18	19.26	19.04	21	0.5
10	64QAM	25	25	19.15	19.29	19.12		
10	64QAM	50	0	19.05	19.22	19.12		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.12	20.11	20.15		
5	QPSK	1	12	19.99	20.06	20.08	21.5	0
5	QPSK	1	24	19.83	20.04	19.86		
5	QPSK	12	0	19.98	20.10	20.01		
5	QPSK	12	7	19.87	19.99	19.92	21.5	0
5	QPSK	12	13	19.83	19.99	19.84		
5	QPSK	25	0	20.02	20.13	19.97		
5	16QAM	1	0	19.97	20.05	19.91		
5	16QAM	1	12	20.00	19.92	20.09	21.5	0
5	16QAM	1	24	19.95	19.95	19.95		
5	16QAM	12	0	19.94	20.09	19.88		
5	16QAM	12	7	19.99	19.86	19.83	21.5	0
5	16QAM	12	13	19.90	19.83	20.03		
5	16QAM	25	0	19.97	19.96	19.83		
5	64QAM	1	0	19.79	19.95	19.88		
5	64QAM	1	12	19.92	20.12	19.94	21.5	0
5	64QAM	1	24	19.97	19.94	19.75		
5	64QAM	12	0	19.11	19.32	19.16		
5	64QAM	12	7	19.13	19.24	19.06	21	0.5
5	64QAM	12	13	19.13	19.24	19.06		
5	64QAM	25	0	19.10	19.21	19.12		
Channel				131997	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.13	20.19	20.13		
3	QPSK	1	8	19.90	20.04	20.06	21.5	0
3	QPSK	1	14	19.83	20.04	19.87		
3	QPSK	8	0	19.95	20.11	20.05		
3	QPSK	8	4	19.89	20.02	19.84	21.5	0
3	QPSK	8	7	19.81	19.95	19.83		
3	QPSK	15	0	20.04	20.07	19.95		
3	16QAM	1	0	19.97	20.05	19.92		
3	16QAM	1	8	19.96	19.89	20.01	21.5	0
3	16QAM	1	14	19.97	19.90	19.90		
3	16QAM	8	0	19.96	20.03	19.89		
3	16QAM	8	4	19.98	19.94	19.79	21.5	0
3	16QAM	8	7	19.90	19.78	20.04		
3	16QAM	15	0	19.91	20.05	19.86		
3	64QAM	1	0	19.83	19.95	19.91		
3	64QAM	1	8	19.96	20.09	19.93	21.5	0
3	64QAM	1	14	19.95	20.01	19.71		
3	64QAM	8	0	19.21	19.30	19.17		
3	64QAM	8	4	19.16	19.25	19.04	21	0.5
3	64QAM	8	7	19.18	19.31	19.13		
3	64QAM	15	0	19.05	19.15	19.09		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.10	20.09	20.07		
1.4	QPSK	1	3	19.90	20.08	20.11	21.5	0
1.4	QPSK	1	5	19.85	20.00	19.87		
1.4	QPSK	3	0	19.92	20.12	20.04		
1.4	QPSK	3	1	19.89	20.03	19.90		
1.4	QPSK	3	3	19.89	19.95	19.89	21.5	0
1.4	QPSK	6	0	20.09	20.06	19.93		
1.4	16QAM	1	0	19.95	20.01	19.92		
1.4	16QAM	1	3	19.97	19.85	20.01	21.5	0
1.4	16QAM	1	5	19.93	19.95	19.93		
1.4	16QAM	3	0	19.91	20.07	19.85		
1.4	16QAM	3	1	19.96	19.89	19.81		
1.4	16QAM	3	3	19.94	19.76	20.04	21.5	0
1.4	16QAM	6	0	19.84	20.07	19.91		
1.4	64QAM	1	0	19.83	19.95	19.84		
1.4	64QAM	1	3	19.95	20.04	19.92		
1.4	64QAM	1	5	19.95	20.02	19.70	21.5	0
1.4	64QAM	3	0	19.81	19.94	19.81		
1.4	64QAM	3	1	19.90	19.95	19.88		
1.4	64QAM	3	3	19.87	19.95	19.85		
1.4	64QAM	6	0	19.11	19.12	19.07	21	0.5



Band 7 Ant1 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				20650	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.98	19.02	18.88		
20	QPSK	1	49	18.90	18.90	18.95	20	0
20	QPSK	1	99	18.67	18.81	18.81		
20	QPSK	50	0	18.93	18.98	18.90		
20	QPSK	50	24	18.95	18.93	18.92		
20	QPSK	50	50	18.67	18.94	18.72	20	0
20	QPSK	100	0	18.93	18.95	18.83		



Band 38 Ant1 ECI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	21	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.65	19.74	19.83	21	0
20	QPSK	1	49	19.53	19.63	19.49		
20	QPSK	1	99	19.51	19.60	19.50		
20	QPSK	50	0	19.63	19.66	19.65		
20	QPSK	50	24	19.47	19.61	19.51		
20	QPSK	50	50	19.45	19.60	19.45		
20	QPSK	100	0	19.55	19.61	19.60		

Band 41 Ant1 ECI6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.00	19.99	20.04	19.93	19.83	21	0
20	QPSK	1	49	19.92	19.78	19.84	19.91	19.74		
20	QPSK	1	99	19.97	19.80	19.88	19.87	19.77		
20	QPSK	50	0	19.80	19.88	20.02	19.90	19.83		
20	QPSK	50	24	19.81	19.83	19.95	19.89	19.77		
20	QPSK	50	50	19.76	19.85	19.90	19.85	19.79		
20	QPSK	100	0	19.86	19.86	19.94	19.73	19.71		

Band 66 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1710	1745	1770			
20	QPSK	1	0	20.38	20.50	20.46			
20	QPSK	1	49	20.47	20.47	20.37	21.5	0	
20	QPSK	1	99	20.30	20.45	20.25			
20	QPSK	50	0	19.58	19.64	19.56			
20	QPSK	50	24	19.53	19.54	19.48	20.5	1	
20	QPSK	50	50	19.48	19.54	19.45			
20	QPSK	100	0	19.53	19.66	19.51			
20	16QAM	1	0	19.41	19.43	19.38			
20	16QAM	1	49	19.37	19.42	19.24	20.5	1	
20	16QAM	1	99	19.29	19.40	19.34			
20	16QAM	50	0	18.57	18.62	18.66			
20	16QAM	50	24	18.50	18.62	18.48	19.5	2	
20	16QAM	50	50	18.46	18.62	18.58			
20	16QAM	100	0	18.52	18.67	18.43			
20	64QAM	1	0	18.33	18.34	18.35			
20	64QAM	1	49	18.32	18.33	18.27	19.5	2	
20	64QAM	1	99	18.11	18.39	18.29			
20	64QAM	50	0	17.58	17.64	17.43			
20	64QAM	50	24	17.54	17.62	17.53	18.5	3	
20	64QAM	50	50	17.50	17.54	17.57			
20	64QAM	100	0	17.61	17.61	17.51			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.29	20.48	20.45			
15	QPSK	1	37	20.39	20.38	20.32	21.5	0	
15	QPSK	1	74	20.26	20.44	20.16			
15	QPSK	36	0	19.47	19.60	19.47			
15	QPSK	36	20	19.49	19.47	19.37	20.5	1	
15	QPSK	36	39	19.38	19.53	19.35			
15	QPSK	75	0	19.50	19.59	19.46			
15	16QAM	1	0	19.36	19.39	19.36			
15	16QAM	1	37	19.30	19.40	19.21	20.5	1	
15	16QAM	1	74	19.22	19.37	19.24			
15	16QAM	36	0	18.54	18.58	18.60			
15	16QAM	36	20	18.41	18.57	18.45	19.5	2	
15	16QAM	36	39	18.38	18.55	18.47			
15	16QAM	75	0	18.45	18.60	18.36			
15	64QAM	1	0	18.25	18.29	18.25			
15	64QAM	1	37	18.24	18.24	18.20	19.5	2	
15	64QAM	1	74	18.04	18.35	18.23			
15	64QAM	36	0	17.52	17.57	17.38			
15	64QAM	36	20	17.52	17.59	17.45	18.5	3	
15	64QAM	36	39	17.40	17.49	17.49			
15	64QAM	75	0	17.58	17.55	17.46			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.34	20.40	20.40			
10	QPSK	1	25	20.41	20.45	20.33	21.5	0	
10	QPSK	1	49	20.29	20.38	20.22			
10	QPSK	25	0	19.48	19.63	19.50			
10	QPSK	25	12	19.50	19.51	19.41	20.5	1	
10	QPSK	25	25	19.44	19.45	19.36			
10	QPSK	50	0	19.51	19.65	19.46			
10	16QAM	1	0	19.38	19.39	19.27			
10	16QAM	1	25	19.35	19.40	19.13	20.5	1	
10	16QAM	1	49	19.22	19.30	19.28			
10	16QAM	25	0	18.54	18.55	18.50			
10	16QAM	25	12	18.48	18.60	18.43	19.5	2	
10	16QAM	25	25	18.43	18.51	18.51			
10	16QAM	50	0	18.45	18.65	18.37			
10	64QAM	1	0	18.29	18.29	18.31			
10	64QAM	1	25	18.24	18.25	18.25	19.5	2	
10	64QAM	1	49	18.08	18.32	18.23			
10	64QAM	25	0	17.57	17.53	17.35			
10	64QAM	25	12	17.45	17.51	17.50	18.5	3	
10	64QAM	25	25	17.41	17.44	17.49			
10	64QAM	50	0	17.57	17.55	17.41			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.34	20.43	20.38			
5	QPSK	1	12	20.38	20.38	20.33	21.5	0	
5	QPSK	1	24	20.19	20.34	20.21			
5	QPSK	12	0	19.52	19.60	19.53			
5	QPSK	12	7	19.50	19.46	19.44	20.5	1	
5	QPSK	12	13	19.46	19.44	19.42			
5	QPSK	25	0	19.47	19.61	19.47			
5	16QAM	1	0	19.35	19.33	19.35			
5	16QAM	1	12	19.31	19.39	19.20	20.5	1	
5	16QAM	1	24	19.21	19.34	19.25			
5	16QAM	12	0	18.53	18.52	18.60			
5	16QAM	12	7	18.42	18.53	18.38	19.5	2	
5	16QAM	12	13	18.41	18.59	18.56			
5	16QAM	25	0	18.42	18.62	18.41			
5	64QAM	1	0	18.26	18.26	18.30			
5	64QAM	1	12	18.26	18.28	18.23	19.5	2	
5	64QAM	1	24	18.07	18.37	18.26			
5	64QAM	12	0	17.55	17.58	17.38			
5	64QAM	12	7	17.47	17.58	17.49	18.5	3	
5	64QAM	12	13	17.45	17.44	17.50			
5	64QAM	25	0	17.57	17.59	17.40			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.29	20.44	20.39			
3	QPSK	1	8	20.40	20.37	20.29	21.5	0	
3	QPSK	1	14	20.23	20.35	20.17			
3	QPSK	8	0	19.49	19.61	19.50			
3	QPSK	8	4	19.48	19.47	19.40	20.5	1	
3	QPSK	8	7	19.46	19.53	19.42			
3	QPSK	15	0	19.45	19.57	19.49			
3	16QAM	1	0	19.37	19.34	19.29			
3	16QAM	1	8	19.27	19.31	19.16	20.5	1	
3	16QAM	1	14	19.24	19.32	19.27			
3	16QAM	8	0	18.51	18.56	18.56			
3	16QAM	8	4	18.41	18.61	18.47	19.5	2	
3	16QAM	8	7	18.41	18.53	18.54			
3	16QAM	15	0	18.44	18.61	18.36			
3	64QAM	1	0	18.28	18.25	18.30			
3	64QAM	1	8	18.29	18.32	18.23	19.5	2	
3	64QAM	1	14	18.08	18.38	18.25			
3	64QAM	8	0	17.55	17.56	17.36			
3	64QAM	8	4	17.46	17.60	17.44	18.5	3	
3	64QAM	8	7	17.44	17.51	17.47			
3	64QAM	15	0	17.56	17.57	17.41			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.39	20.49	20.32			
1.4	QPSK	1	3	20.42	20.43	20.32	21.5	0	
1.4	QPSK	1	5	20.13	20.25	20.11			
1.4	QPSK	3	0	20.42	20.40	20.34			
1.4	QPSK	3	1	20.37	20.23	20.16			
1.4	QPSK	3	3	20.15	20.32	20.15			
1.4	QPSK	6	0	19.37	19.30	19.32	20.5	1	
1.4	16QAM	1	0	19.37	19.27	19.27			
1.4	16QAM	1	3	19.31	19.34	19.16	20.5	1	
1.4	16QAM	1	5	19.37	19.55	19.29			
1.4	16QAM	3	0	19.22	19.24	19.29			
1.4	16QAM	3	1	19.17	19.20	19.14			
1.4	16QAM	3	3	19.09	19.18	19.06			
1.4	16QAM	6	0	18.34	18.60	18.40	19.5	2	
1.4	64QAM	1	0	18.08	18.19	18.12			
1.4	64QAM	1	3	18.15	18.21	17.92			
1.4	64QAM	1	5	17.94	18.12	18.02	19.5	2	
1.4	64QAM	3	0	18.15	18.23	18.14			
1.4	64QAM	3	1	18.17	18.27	18.03			
1.4	64QAM	3	3	17.97	18.17	18.08	18.5	3	
1.4	64QAM	6	0	17.40	17.53	17.21			



Band 38 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				37850	38000	38150	21.5	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.37	20.41	20.37		
20	QPSK	1	49	20.16	20.26	20.22		
20	QPSK	1	99	20.28	20.33	20.34		
20	QPSK	50	0	20.23	20.36	20.17		
20	QPSK	50	24	20.16	20.20	20.27	21.5	0
20	QPSK	50	50	20.15	20.25	20.19		
20	QPSK	100	0	20.07	20.21	20.17		

Band 41 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	20	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.08	18.85	19.13	19.00	18.96		
20	QPSK	1	49	18.95	18.76	18.94	18.85	18.87		
20	QPSK	1	99	18.88	18.97	19.00	18.91	18.84		
20	QPSK	50	0	18.79	18.79	19.01	18.86	18.86		
20	QPSK	50	24	18.78	18.84	18.82	18.83	18.75	20	0
20	QPSK	50	50	18.85	18.83	18.84	18.91	18.84		
20	QPSK	100	0	18.75	18.74	18.84	18.82	18.71		

Band 41 HPUE Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	23	0
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.92	21.86	22.01	21.84	21.99		
20	QPSK	1	49	21.91	21.84	21.98	21.78	21.81		
20	QPSK	1	99	21.89	21.91	21.94	21.79	21.65		
20	QPSK	50	0	21.89	21.77	21.92	21.70	21.81		
20	QPSK	50	24	21.58	21.73	21.72	21.63	21.71	23	0
20	QPSK	50	50	21.75	21.88	21.83	21.82	21.78		
20	QPSK	100	0	21.70	21.70	21.84	21.82	21.58		

Band 42 FCC Part27Q ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.76	19.81	19.70	21.5	0
20	QPSK	1	49	19.51	19.64	19.56		
20	QPSK	1	99	19.55	19.62	19.60		
20	QPSK	50	0	19.88	19.79	19.65	21.5	0
20	QPSK	50	24	19.52	19.64	19.55		
20	QPSK	50	50	19.51	19.51	19.57		
20	QPSK	100	0	19.54	19.73	19.69		



Reduced Power Mode for Main PA EC17

GSM850 A#0 EC17								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	789	251		726	789	251	
TX Channel	854.2	858.4	858.8		854.2	858.4	858.8	
Frequency (MHz)								
GSM-1 Tx slot	29.15	29.16	29.05	30.00	20.15	20.16	20.05	21.00
GPRS-1 Tx slot	29.11	29.11	28.96	30.00	20.11	20.11	19.96	21.00
GPRS-2 Tx slots	28.01	28.12	28.05	29.50	22.01	22.12	22.05	23.50
GPRS-3 Tx slots	29.23	29.36	29.36	27.50	21.97	22.10	22.10	23.24
GPRS-4 Tx slots	25.12	25.25	24.97	26.50	22.12	22.25	21.97	23.50
EDGE-1 Tx slot	23.28	23.37	23.38	24.50	14.28	14.37	14.38	15.50
EDGE-2 Tx slots	22.18	22.06	22.30	23.00	16.18	16.06	16.30	17.50
EDGE-3 Tx slots	19.83	19.92	19.86	21.00	15.57	15.66	15.60	16.74
EDGE-4 Tx slots	18.32	18.47	18.53	19.50	15.32	15.47	15.53	16.50

GSM1900 A#0 EC17								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1520.2	1520	1520.8		1520.2	1520	1520.8	
Frequency (MHz)								
GPRS-1 Tx slot	22.55	22.64	22.49	23.50	13.55	13.64	13.49	14.50
GPRS-2 Tx slots	21.54	21.69	21.48	22.50	15.54	15.69	15.48	16.50
GPRS-3 Tx slots	19.49	19.53	19.34	20.50	15.23	15.27	15.06	16.24
GPRS-4 Tx slots	18.31	18.42	18.15	19.50	15.31	15.42	15.15	16.50

Band	WCDMA II A#0 EC17			Tune-up Limit (dBm)	WCDMA V A#0 EC17			Tune-up Limit (dBm)	
	5262	9400	9536		4132	4192	4233		
Rx Channel	9662	9800	9938		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP Pk# 99	RMC 12 2Kbps	14.10	14.10	14.02	15.50	21.25	21.37	21.27	22.50



Band 2 Ant0 ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Middle Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Tune-up (MHz)	MPR (dB)	
Channel									
Frequency (MHz)									
				1860	1880	1900			
20	QPSK	1	0	13.36	13.39	13.43			
20	QPSK	1	40	13.36	13.39	13.27		15	0
20	QPSK	1	80	13.34	13.39	13.27			
20	QPSK	50	0	13.44	13.43	13.38			
20	QPSK	50	24	13.36	13.48	13.35		15	0
20	QPSK	50	50	13.26	13.20	13.24			
20	QPSK	100	0	13.41	13.42	13.35			

Band 5 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Middle Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Tune-up (MHz)	MPR (dB)	
Channel									
Frequency (MHz)									
				2050	2065	2080			
10	QPSK	1	0	22.88	22.88	22.73			
10	QPSK	1	37	22.71	22.71	22.88	24	0	
10	QPSK	1	74	22.51	22.76	22.88			
10	QPSK	36	0	21.84	22.00	21.90			
10	QPSK	36	30	21.80	21.89	21.79	23	1	
10	QPSK	36	50	21.77	21.74	21.70			
10	QPSK	50	0	21.79	21.80	21.84			

Band 26 Ant0 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Middle Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Tune-up (MHz)	MPR (dB)	< Tune-up-2	> Tune-up-1	Ch. Data
Channel											
Frequency (MHz)											
				2515	2515	2515					
15	QPSK	1	0	22.88	22.88	22.78			1.97	1.18	
15	QPSK	1	37	22.51	22.76	22.88	24	0	1.34	1.19	0.20
15	QPSK	1	74	22.51	22.60	22.88			1.47	1.32	
15	QPSK	36	0	21.84	22.00	21.90			1.28	0.81	
15	QPSK	36	30	21.80	21.89	21.79	23	1	1.21	1.11	0.30
15	QPSK	36	50	21.81	21.81	21.77			1.23	1.19	
15	QPSK	75	0	21.78	22.03	21.80			1.22	0.97	0.25

Band 66 Ant0 ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power Middle Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Tune-up (MHz)	MPR (dB)	
Channel									
Frequency (MHz)									
				1720	1745	1770			
20	QPSK	1	0	16.00	16.00	16.00			
20	QPSK	1	40	16.01	16.00	16.01		17.5	0
20	QPSK	1	80	15.91	16.10	16.04			
20	QPSK	50	0	16.00	16.00	16.00			
20	QPSK	50	24	16.11	16.06	16.06		17.5	0
20	QPSK	50	50	16.06	16.06	16.04			
20	QPSK	100	0	16.00	16.00	16.00			
20	16QAM	1	0	15.89	16.20	16.04			
20	16QAM	1	40	16.02	16.22	16.05		17.5	0
20	16QAM	1	80	16.07	16.07	16.07			
20	16QAM	50	0	16.05	16.10	16.07			
20	16QAM	50	24	16.07	16.16	16.05		17.5	0
20	16QAM	50	50	16.04	16.02	16.00			
20	16QAM	100	0	16.00	16.12	16.01			
20	16QAM	1	40	16.06	16.17	16.03		17.5	0
20	16QAM	1	80	16.01	16.08	16.05			
20	16QAM	50	0	16.02	16.14	16.01			
20	16QAM	50	24	16.03	16.06	16.06		17.5	0
20	16QAM	50	50	16.02	16.09	16.00			
20	16QAM	100	0	16.01	16.08	16.00			
Channel									
Frequency (MHz)									
				15047	15052	15059			MPR (dB)
15	QPSK	1	0	16.00	16.18	17.22			
15	QPSK	1	37	16.02	16.06	16.13		17.5	0
15	QPSK	1	74	16.05	16.02	16.00			
15	QPSK	36	0	16.02	16.16	16.02			
15	QPSK	36	20	16.01	16.02	16.00		17.5	0
15	QPSK	36	50	16.03	16.03	16.00			
15	16QAM	75	0	16.03	16.10	16.00			
15	16QAM	1	0	16.03	16.15	16.07		17.5	0
15	16QAM	1	37	16.06	16.17	16.05			
15	16QAM	1	74	16.01	16.08	16.01			
15	16QAM	36	0	16.03	16.02	16.00			
15	16QAM	36	20	16.00	16.11	16.03		17.5	0
15	16QAM	36	50	16.08	16.06	16.05			
15	16QAM	75	0	16.04	16.10	16.06			
15	16QAM	1	0	16.07	16.03	16.00			
15	16QAM	1	37	16.00	16.11	16.00		17.5	0
15	16QAM	1	74	16.00	16.00	16.00			
15	16QAM	36	0	16.07	16.11	16.05			
15	16QAM	36	20	16.09	16.07	16.03		17.5	0
15	16QAM	36	50	16.06	16.06	16.00			
15	16QAM	75	0	16.08	16.02	16.01			
Channel									
Frequency (MHz)									
				15052	15052	15052			MPR (dB)
10	QPSK	1	0	16.17	16.18	16.13			
10	QPSK	1	25	16.07	16.08	16.17		17.5	0
10	QPSK	1	50	16.02	16.10	16.00			
10	QPSK	25	0	16.02	16.13	16.02			
10	QPSK	25	13	16.06	16.03	16.05		17.5	0
10	QPSK	36	0	16.01	16.09	16.08			
10	16QAM	1	0	16.01	16.18	16.00			
10	16QAM	1	25	16.00	16.11	16.08		17.5	0
10	16QAM	1	50	16.07	16.08	16.05			
10	16QAM	25	0	16.06	16.03	16.01		17.5	0
10	16QAM	25	13	16.05	16.08	16.02			
10	16QAM	36	0	16.00	16.07	16.05			
10	16QAM	36	20	16.09	16.07	16.03		17.5	0
10	16QAM	36	50	16.06	16.06	16.00			
10	16QAM	75	0	16.08	16.02	16.01			
Channel									
Frequency (MHz)									
				1715.5	1745	1775.5			MPR (dB)
5	QPSK	1	0	16.18	16.18	16.17			
5	QPSK	1	12	16.02	16.01	16.12		17.5	0
5	QPSK	1	24	16.01	16.03	16.03			
5	QPSK	12	0	16.00	16.21	16.13			
5	QPSK	12	13	16.08	16.01	16.01		17.5	0
5	QPSK	12	26	16.00	16.00	16.00			
5	QPSK	25	0	16.02	16.16	16.05			
5	16QAM	1	12	16.06	16.13	16.05		17.5	0
5	16QAM	1	24	16.06	16.07	16.03			
5	16QAM	12	0	16.08	16.15	16.02		17.5	0
5	16QAM	12	13	16.02	16.05	16.06			
5	16QAM	12	26	16.00	16.08	16.04		17.5	0
5	16QAM	1	12	16.03	16.06	16.03			
5	16QAM	1	24	16.00	16.08	16.00			
5	16QAM	12	0	16.00	16.00	16.00			
5	16QAM	12	13	16.00	16.01	16.01		17.5	0
5	16QAM	12	26	16.00	16.00	16.00			
5	16QAM	25	0	16.01	16.03	16.00			
Channel									
Frequency (MHz)									
				1711.5	1745	1778.5			MPR (dB)
3	QPSK	1	0	16.15	16.17	16.14			
3	QPSK	1	8	16.08	16.06	16.10		17.5	0
3	QPSK	1	14	16.02	16.08	16.05			
3	QPSK	8	0	16.05	16.16	16.13			
3	QPSK	8	4	16.03	16.13	16.02		17.5	0
3	QPSK	8	7	16.06	16.08	16.05			
3	QPSK	15	0	16.08	16.14	16.04			
3	16QAM	1	0	16.02	16.13	16.02			
3	16QAM	1	8	16.02	16.12	16.01		17.5	0
3	16QAM	1	14	16.08	16.00	16.01			
3	16QAM	8	0	16.04	16.06	16.03			
3	16QAM	8	4	16.07	16.02	16.05		17.5	0
3	16QAM	8	7	16.09	16.02	16.07			
3	16QAM	15	0	16.07	16.08	16.06			
Channel									
Frequency (MHz)									
				1716.7	1745	1779.3			MPR (dB)
1.4	QPSK	1	0	16.02	16.13	16.07			
1.4	QPSK	1	3	16.08	16.04	16.07		17.5	0
1.4	QPSK	1	6	16.05	16.02	16.05			
1.4	QPSK	3	0	16.02	16.02	16.00			
1.4	QPSK	3	3	16.02	16.04	16.00		17.5	0
1.4	QPSK	3	6	16.01	16.04	16.02			
1.4	16QAM	1	0	16.00	16.02	16.01			
1									



Band 7 Ant1 EC17

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20650	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.91	18.03	17.93	19	0
20	QPSK	1	49	17.87	17.91	17.90		
20	QPSK	1	99	17.78	17.94	17.94		
20	QPSK	50	0	17.95	18.00	17.91	19	0
20	QPSK	50	24	17.87	17.91	17.95		
20	QPSK	50	50	17.88	17.90	17.90		
20	QPSK	100	0	17.84	17.88	17.75		



Band 38 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				37850	38000	38150	20	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.49	18.76	18.55		
20	QPSK	1	49	18.46	18.58	18.46	20	0
20	QPSK	1	99	18.55	18.46	18.45		
20	QPSK	50	0	18.39	18.67	18.45		
20	QPSK	50	24	18.29	18.47	18.46	20	0
20	QPSK	50	50	18.48	18.51	18.50		
20	QPSK	100	0	18.46	18.54	18.45		

Band 41 Ant1 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	20	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.77	18.81	18.91	18.81	18.84		
20	QPSK	1	49	18.60	18.70	18.75	18.67	18.78	20	0
20	QPSK	1	99	18.55	18.73	18.59	18.69	18.66		
20	QPSK	50	0	18.80	18.66	18.83	18.74	18.72		
20	QPSK	50	24	18.71	18.66	18.82	18.70	18.61	20	0
20	QPSK	50	50	18.76	18.70	18.79	18.72	18.64		
20	QPSK	100	0	18.67	18.77	18.79	18.60	18.64		

Band 66 Ant4 ECI7

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Free.	Middle Ch. / Free.	High Ch. / Free.				
Channel				132072	132222	132572				
Frequency (MHz)				1745	1745	1770				
20	QPSK	1	0	18.49	18.55	18.49	19.5	0		
20	QPSK	1	49	18.32	18.43	18.45				
20	QPSK	1	99	18.45	18.42	18.34				
20	QPSK	50	0	18.45	18.53	18.51				
20	QPSK	50	24	18.38	18.44	18.46	19.5	0		
20	QPSK	50	50	18.40	18.34	18.39				
20	QPSK	100	0	18.40	18.49	18.45				
20	16QAM	1	0	18.37	18.42	18.36				
20	16QAM	1	49	18.37	18.44	18.43	19.5	0		
20	16QAM	1	99	18.34	18.32	18.20				
20	16QAM	50	0	18.23	18.44	18.23				
20	16QAM	50	24	18.41	18.43	18.43				
20	16QAM	50	50	18.29	18.46	18.38	19.5	0		
20	16QAM	100	0	18.33	18.38	18.32				
20	64QAM	1	0	18.37	18.28	18.36				
20	64QAM	1	49	18.22	18.48	18.30				
20	64QAM	1	99	18.22	18.39	18.24	19.5	0		
20	64QAM	50	0	17.55	17.68	17.40				
20	64QAM	50	24	17.50	17.58	17.49				
20	64QAM	50	50	17.51	17.52	17.52				
20	64QAM	100	0	17.57	17.60	17.48	18.5	1		
Channel				132047	132322	132597				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	18.45	18.47	18.41			19.5	0
15	QPSK	1	37	18.28	18.40	18.38				
15	QPSK	1	74	18.34	18.33	18.23				
15	QPSK	36	0	18.37	18.43	18.44				
15	QPSK	36	20	18.37	18.37	18.36	19.5	0		
15	QPSK	36	39	18.36	18.29	18.31				
15	QPSK	75	0	18.31	18.43	18.37				
15	16QAM	1	0	18.31	18.38	18.32				
15	16QAM	1	37	18.30	18.38	18.42	19.5	0		
15	16QAM	1	74	18.26	18.28	18.19				
15	16QAM	36	0	18.13	18.37	18.21				
15	16QAM	36	20	18.39	18.40	18.37				
15	16QAM	36	39	18.28	18.38	18.30	19.5	0		
15	16QAM	75	0	18.29	18.32	18.23				
15	64QAM	1	0	18.35	18.28	18.31				
15	64QAM	1	37	18.18	18.46	18.29				
15	64QAM	1	74	18.12	18.28	18.21	19.5	0		
15	64QAM	36	0	17.53	17.66	17.38				
15	64QAM	36	20	17.43	17.48	17.43				
15	64QAM	36	39	17.40	17.44	17.43				
15	64QAM	75	0	17.53	17.56	17.44	18.5	1		
Channel				132022	132322	132622				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	18.46	18.47	18.47			19.5	0
10	QPSK	1	25	18.26	18.40	18.40				
10	QPSK	1	49	18.35	18.37	18.23				
10	QPSK	25	0	18.38	18.43	18.42				
10	QPSK	25	12	18.35	18.35	18.44	19.5	0		
10	QPSK	25	25	18.39	18.26	18.32				
10	QPSK	50	0	18.34	18.46	18.37				
10	16QAM	1	0	18.32	18.33	18.27				
10	16QAM	1	25	18.29	18.43	18.33	19.5	0		
10	16QAM	1	49	18.29	18.30	18.16				
10	16QAM	25	0	18.19	18.34	18.19				
10	16QAM	25	12	18.40	18.40	18.38				
10	16QAM	25	25	18.21	18.41	18.26	19.5	0		
10	16QAM	50	0	18.29	18.29	18.29				
10	64QAM	1	0	18.36	18.23	18.27				
10	64QAM	1	25	18.18	18.38	18.26				
10	64QAM	1	49	18.15	18.39	18.23	19.5	0		
10	64QAM	25	0	17.49	17.65	17.34				
10	64QAM	25	12	17.39	17.54	17.46				
10	64QAM	25	25	17.46	17.50	17.47				
10	64QAM	50	0	17.52	17.56	17.38	18.5	1		
Channel				131997	132322	132647				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	18.45	18.51	18.43			19.5	0
5	QPSK	1	12	18.27	18.33	18.40				
5	QPSK	1	24	18.35	18.36	18.29				
5	QPSK	12	0	18.43	18.46	18.45				
5	QPSK	12	7	18.29	18.33	18.40	19.5	0		
5	QPSK	12	13	18.37	18.27	18.37				
5	QPSK	25	0	18.29	18.48	18.42				
5	16QAM	1	0	18.29	18.40	18.35				
5	16QAM	1	12	18.33	18.34	18.40	19.5	0		
5	16QAM	1	24	18.30	18.26	18.15				
5	16QAM	12	0	18.17	18.35	18.18				
5	16QAM	12	7	18.40	18.33	18.41				
5	16QAM	12	13	18.20	18.39	18.27	19.5	0		
5	16QAM	25	0	18.22	18.39	18.28				
5	64QAM	1	0	18.27	18.24	18.29				
5	64QAM	1	12	18.19	18.37	18.23				
5	64QAM	1	24	18.18	18.35	18.20	19.5	0		
5	64QAM	12	0	17.45	17.59	17.30				
5	64QAM	12	7	17.40	17.55	17.46				
5	64QAM	12	13	17.43	17.45	17.42				
5	64QAM	25	0	17.51	17.51	17.42	18.5	1		
Channel				131987	132322	132657				
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	18.46	18.48	18.45			19.5	0
3	QPSK	1	8	18.31	18.40	18.44				
3	QPSK	1	14	18.40	18.37	18.25				
3	QPSK	8	0	18.36	18.46	18.48				
3	QPSK	8	4	18.35	18.37	18.39	19.5	0		
3	QPSK	8	7	18.33	18.25	18.35				
3	QPSK	15	0	18.31	18.41	18.43				
3	16QAM	1	0	18.35	18.40	18.31				
3	16QAM	1	8	18.34	18.39	18.35	19.5	0		
3	16QAM	1	14	18.28	18.27	18.15				
3	16QAM	8	0	18.14	18.36	18.18				
3	16QAM	8	4	18.35	18.37	18.41				
3	16QAM	8	7	18.20	18.41	18.30	19.5	0		
3	16QAM	15	0	18.28	18.32	18.23				
3	64QAM	1	0	18.30	18.22	18.32				
3	64QAM	1	8	18.12	18.39	18.21				
3	64QAM	1	14	18.12	18.33	18.23	19.5	0		
3	64QAM	8	0	17.47	17.63	17.31				
3	64QAM	8	4	17.47	17.56	17.40				
3	64QAM	8	7	17.45	17.45	17.42				
3	64QAM	15	0	17.46	17.56	17.37	18.5	1		
Channel				131979	132322	132665				
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	18.40	18.52	18.41			19.5	0
1.4	QPSK	1	3	18.23	18.38	18.36				
1.4	QPSK	1	5	18.38	18.32	18.31				
1.4	QPSK	3	0	18.40	18.50	18.49				
1.4	QPSK	3	1	18.33	18.37	18.42	19.5	0		
1.4	QPSK	3	3	18.37	18.28	18.33				
1.4	QPSK	6	0	18.38	18.47	18.44				
1.4	16QAM	1	0	18.29	18.40	18.32				
1.4	16QAM	1	3	18.28	18.36	18.37	19.5	0		
1.4	16QAM	1	5	18.25	18.21	18.13				
1.4	16QAM	3	0	18.13	18.36	18.18				
1.4	16QAM	3	1	18.38	18.41	18.35				
1.4	16QAM	3	3	18.20	18.36	18.35	19.5	0		
1.4	16QAM	6	0	18.23	18.27	18.26				
1.4	64QAM	1	0	18.33	18.24	18.27				
1.4	64QAM	1	3	18.11	18.40	18.27				
1.4	64QAM	1	5	18.16	18.30	18.18	19.5	0		
1.4	64QAM	3	0	17.44	17.63	17.38				
1.4	64QAM	3	1	17.48	17.54	17.38				
1.4	64QAM	3	3	17.45	17.45	17.49				
1.4	64QAM	6	0	17.50	17.51	17.38	18.5	1		



Band 38 Main PA Ant4 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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	11.91	11.92	11.81			
20	QPSK	1	49	11.76	11.91	11.81	13		0
20	QPSK	1	99	11.76	11.78	11.71			
20	QPSK	50	0	11.73	11.84	11.81			
20	QPSK	50	24	11.80	11.78	11.75	13		0
20	QPSK	50	50	11.68	11.74	11.59			
20	QPSK	100	0	11.70	11.85	11.66			

Band 41 Main PA Ant4 EC17										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	10.54	10.64	10.72	10.68	10.57		
20	QPSK	1	49	10.56	10.48	10.60	10.52	10.59	11.5	0
20	QPSK	1	99	10.52	10.50	10.85	10.60	10.60		
20	QPSK	50	0	10.56	10.57	10.69	10.59	10.49		
20	QPSK	50	24	10.43	10.47	10.54	10.51	10.46	11.5	0
20	QPSK	50	50	10.47	10.44	10.53	10.51	10.49		
20	QPSK	100	0	10.50	10.46	10.59	10.58	10.40		

Band 41 HPUE Main PA Ant4 EC17										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	13.35	13.41	13.59	13.36	13.36		
20	QPSK	1	49	13.25	13.31	13.50	13.37	13.28	14.5	0
20	QPSK	1	99	13.22	13.31	13.47	13.43	13.48		
20	QPSK	50	0	13.41	13.42	13.54	13.44	13.24		
20	QPSK	50	24	13.17	13.32	13.39	13.23	13.29	14.5	0
20	QPSK	50	50	13.29	13.34	13.35	13.20	13.21		
20	QPSK	100	0	13.34	13.31	13.49	13.35	13.27		



Band 42 FCC Part27Q ECI7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42550	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	14.33	14.36	14.31	16	0
20	QPSK	1	49	14.08	14.17	14.32		
20	QPSK	1	99	14.23	14.24	14.18		
20	QPSK	50	0	14.25	14.32	14.29	16	0
20	QPSK	50	24	14.09	14.25	14.21		
20	QPSK	50	50	14.13	14.20	14.20		
20	QPSK	100	0	14.23	14.33	14.25		



Default Power for WWAN Other PA

Band 7 Ant4 NSA Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.75	22.88	22.75	24	0	
20	QPSK	1	49	22.49	22.83	22.54			
20	QPSK	1	99	22.49	22.82	22.84			
20	QPSK	50	0	21.74	21.81	21.85	23	1	
20	QPSK	50	24	21.53	21.78	21.72			
20	QPSK	50	50	21.73	21.82	21.71			
20	QPSK	100	0	21.68	21.76	21.88			

Reduced Power Mode for Other PA EC12

Band 7 Ant4 NSA EC12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2050	2100	2150		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	13.32	13.39	13.38	14.5	0
20	QPSK	1	49	13.15	13.28	13.13		
20	QPSK	1	99	13.19	13.25	13.15		
20	QPSK	50	0	13.33	13.36	13.34	14.5	0
20	QPSK	50	24	13.04	13.19	13.22		
20	QPSK	50	50	13.05	13.34	13.07		
20	QPSK	100	0	13.28	13.29	13.27		

Reduced Power Mode for Other PA EC13

Band 7 Ant4 NSA EC13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.94	16.00	15.89			
20	QPSK	1	49	15.40	15.81	15.87	17	0	
20	QPSK	1	99	15.60	15.73	15.58			
20	QPSK	50	0	15.77	15.92	15.71			
20	QPSK	50	24	15.57	15.77	15.61			
20	QPSK	50	50	15.62	15.75	15.69	17	0	
20	QPSK	100	0	15.77	15.79	15.60			

Reduced Power Mode for Other PA EC16

Band 7 Ant4 NSA EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2050	2100	2150		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.90	18.02	18.01		
20	QPSK	1	49	17.36	17.73	17.89	19	0
20	QPSK	1	99	17.60	17.85	17.56		
20	QPSK	50	0	17.88	17.99	17.72		
20	QPSK	50	24	17.58	17.78	17.59		
20	QPSK	50	50	17.57	17.64	17.74	19	0
20	QPSK	100	0	17.79	17.85	17.57		

Reduced Power Mode for Other PA EC17

Band 7 Ant4 NSA EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ F.Freq.	Power Middle Ch./ F.Freq.	Power High Ch./ F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	11.33	11.38	11.34			
20	QPSK	1	49	11.00	11.25	11.30	12.5	0	
20	QPSK	1	99	11.04	11.32	11.17			
20	QPSK	50	0	11.32	11.36	11.33			
20	QPSK	50	24	10.99	11.28	11.09	12.5	0	
20	QPSK	50	50	11.12	11.35	11.11			
20	QPSK	100	0	11.28	11.29	11.22			



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				
Frequency (MHz)				836.5				
25	QPSK	1	1	22.88			24.0	0.0
25	QPSK	1	64	22.74				
25	QPSK	1	131	22.69				
25	QPSK	64	0	21.87			23.0	1.0
25	QPSK	64	33	22.81			24.0	0.0
25	QPSK	64	65	21.74				
25	QPSK	128	0	21.75			23.0	1.0

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				
Frequency (MHz)				824				
20	QPSK	1	1	22.56	22.75	22.60		
20	QPSK	1	53	22.47	22.70	22.63		
20	QPSK	1	104	22.32	22.54	22.41		
20	QPSK	50	0	21.59	21.74	21.62	23.0	1.0
20	QPSK	50	28	22.51	22.68	22.52	24.0	0.0
20	QPSK	50	56	21.45	21.69	21.65		
20	QPSK	100	0	21.62	21.71	21.66	23.0	1.0



n7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid/H Ch. / Freq.	High Ch. / Freq.		
Channel				509000	507000	509000		
Frequency (MHz)				2825	2835	2545		
50	QPSK	1	1	22.84	22.89	22.75		
50	QPSK	1	135	22.57	22.78	22.51	24.0	0.0
50	QPSK	1	268	22.31	22.45	22.23		
50	QPSK	135	0	21.64	21.73	21.51	23.0	1.0
50	QPSK	135	68	22.72	22.82	22.63	24.0	0.0
50	QPSK	135	135	21.66	21.81	21.55		
50	QPSK	270	0	21.57	21.73	21.46	23.0	1.0



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	QPSK	1	1	19.42	19.90	19.76		
100	QPSK	1	137	20.76	20.83	20.77	22.5	0.0
100	QPSK	1	271	19.79	19.95	19.85		
100	QPSK	135	0	20.44	20.56	20.49	22.5	0.0
100	QPSK	135	69	20.65	20.70	20.67	22.5	0.0
100	QPSK	135	138	20.52	20.53	20.47	22.5	0.0
100	QPSK	270	0	20.38	20.46	20.42		

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	QPSK	1	1	19.95	20.51	20.20		
100	QPSK	1	137	21.25	21.71	21.38	23.5	0.0
100	QPSK	1	271	19.13	19.70	19.24		
100	QPSK	135	0	19.77	20.37	19.91	22.5	1.0
100	QPSK	135	69	20.91	21.45	21.17	23.5	0.0
100	QPSK	135	138	20.01	20.43	20.10	22.5	1.0
100	QPSK	270	0	19.86	20.55	19.87		



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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.5	0.0
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94		22.0	0.5
100	QPSK	135	69		20.99		22.5	0.0
100	QPSK	135	138		20.00			
100	QPSK	270	0		20.05			

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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		23.5	0.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74		22.5	1.0
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80		22.5	1.0



Part270 n77 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	656000	662000	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	20.09	20.20	19.72	23.0	0.0
100	QPSK	1	137	20.52	20.82	20.56		
100	QPSK	1	271	19.69	19.72	19.65	22.5	0.5
100	QPSK	135	0	20.58	20.63	20.58		
100	QPSK	135	69	20.62	20.77	20.64	23.0	0.0
100	QPSK	135	138	20.35	20.45	20.37		
100	QPSK	270	0	20.37	20.50	20.40	22.5	0.5

Part270 n77 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	656000	662000	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	21.93	21.99	21.40	24.5	0.0
100	QPSK	1	137	22.44	22.65	22.53		
100	QPSK	1	271	21.93	20.69	21.94	22.5	2.0
100	QPSK	135	0	21.21	21.68	21.29	23.5	1.0
100	QPSK	135	69	22.42	22.57	22.36	24.5	0.0
100	QPSK	135	138	21.31	21.52	21.32	23.5	1.0
100	QPSK	270	0	21.20	21.51	21.25		



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	QPSK	1	1		20.57			
100	QPSK	1	137		21.30		23.0	0.0
100	QPSK	1	271		20.47			
100	QPSK	135	0		21.09		23.0	0.0
100	QPSK	135	69		21.27		23.0	0.0
100	QPSK	135	138		21.11			
100	QPSK	270	0		21.13		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	QPSK	1	1		21.42			
100	QPSK	1	137		22.52		24.5	0.0
100	QPSK	1	271		21.41			
100	QPSK	135	0		21.17		23.5	1.0
100	QPSK	135	69		22.48		24.5	0.0
100	QPSK	135	138		21.22			
100	QPSK	270	0		21.21		23.5	1.0



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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.77	22.90	22.77		
40	QPSK	1	53	22.71	22.71	22.72	24.0	0.0
40	QPSK	1	104	22.35	22.42	22.29		
40	QPSK	50	0	22.16	22.22	22.17	23.0	1.0
40	QPSK	50	28	22.61	22.80	22.66	24.0	0.0
40	QPSK	50	56	21.80	21.92	21.81	23.0	1.0
40	QPSK	100	0	22.03	22.05	22.00		

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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.89	22.98	22.79		
100	QPSK	1	137	22.87	22.94	22.90	24.0	0.0
100	QPSK	1	271	22.01	22.07	22.04		
100	QPSK	135	0	22.71	22.88	22.84	23.0	1.0
100	QPSK	135	69	22.85	22.91	22.88	24.0	0.0
100	QPSK	135	138	22.09	22.10	22.07		
100	QPSK	270	0	22.35	22.49	22.41	23.0	1.0



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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	21.85	22.10	22.04		
100	QPSK	1	137	22.63	22.87	22.60	24.0	0.0
100	QPSK	1	271	21.96	22.17	21.98		
100	QPSK	135	0	22.18	22.53	22.31	23.0	1.0
100	QPSK	135	69	22.54	22.82	22.66	24.0	0.0
100	QPSK	135	138	22.22	22.69	22.57	23.0	1.0
100	QPSK	270	0	22.26	22.59	22.40		

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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	23.54	23.76	23.62		
100	QPSK	1	137	24.65	24.72	24.65	26.5	0.0
100	QPSK	1	271	23.94	23.96	23.85		
100	QPSK	135	0	23.30	23.51	23.40	25.5	1.0
100	QPSK	135	69	24.50	24.63	24.62	26.5	0.0
100	QPSK	135	138	23.35	23.55	23.31		
100	QPSK	270	0	23.40	23.47	23.24	25.5	1.0



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	QPSK	1	1		22.58			
100	QPSK	1	137		23.17		24.0	0.0
100	QPSK	1	271		22.51			
100	QPSK	135	0		23.12		24.0	0.0
100	QPSK	135	69		23.15		24.0	0.0
100	QPSK	135	138		23.09			
100	QPSK	270	0		23.04		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	QPSK	1	1		23.93			
100	QPSK	1	137		24.86		26.5	0.0
100	QPSK	1	271		23.97			
100	QPSK	135	0		23.64		25.5	1.0
100	QPSK	135	69		24.72		26.5	0.0
100	QPSK	135	138		23.72			
100	QPSK	270	0		23.66		25.5	1.0



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		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.45	20.04		
100	PI/2 BPSK	1	137	20.39	20.86	20.65	22.5	0.0
100	PI/2 BPSK	1	271	19.91	20.23	20.26		
100	PI/2 BPSK	135	0	20.50	20.86	20.79	22.5	0.0
100	PI/2 BPSK	135	69	20.50	21.04	20.79	22.5	0.0
100	PI/2 BPSK	135	138	20.51	20.86	20.58	22.5	0.0
100	PI/2 BPSK	270	0	20.70	20.86	20.63		
100	QPSK	1	1	20.11	20.49	20.30		
100	QPSK	1	137	20.70	21.06	20.75	22.5	0.0
100	QPSK	1	271	20.16	20.50	20.38		
100	QPSK	135	0	20.66	20.93	20.73	22.5	0.0
100	QPSK	135	69	20.70	21.02	20.81	22.5	0.0
100	QPSK	135	138	20.55	20.83	20.83	22.5	0.0
100	QPSK	270	0	20.66	20.92	20.90	22.5	0.0
100	16QAM	1	1	19.86	20.14	19.87	22.5	0.0
100	64QAM	1	1	19.85	20.19	20.17	20.0	2.5
100	256QAM	1	1	19.00	19.39	19.28	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	20.62	20.96	20.69	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	20.61	21.01	20.68	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.60	20.98	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	20.61	21.00	20.69	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	21.02	20.68	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.60	21.01	20.70	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	20.67	20.99	20.69	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	20.61	21.01	20.68	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	20.64	20.97	20.68	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.62	20.98	20.71	22.5	0.0

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		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.52	22.92	22.72		
100	PI/2 BPSK	1	137	23.21	23.51	23.25	24.5	0.0
100	PI/2 BPSK	1	271	22.73	23.11	22.96		
100	PI/2 BPSK	135	0	22.93	23.14	22.79	24.0	0.5
100	PI/2 BPSK	135	69	23.50	23.50	23.68	24.5	0.0
100	PI/2 BPSK	135	138	23.12	23.29	23.07	24.0	0.5
100	PI/2 BPSK	270	0	23.00	23.20	22.98		
100	QPSK	1	1	22.44	22.80	22.58		
100	QPSK	1	137	23.65	23.97	23.80	24.5	0.0
100	QPSK	1	271	22.78	23.13	22.98		
100	QPSK	135	0	22.49	22.85	22.82	23.5	1.0
100	QPSK	135	69	23.52	23.93	23.61	24.5	0.0
100	QPSK	135	138	22.46	22.85	22.88	23.5	1.0
100	QPSK	270	0	22.72	22.88	22.61		
100	16QAM	1	1	22.00	22.31	22.07	23.5	1.0
100	64QAM	1	1	20.35	20.72	20.54	22.0	2.5
100	256QAM	1	1	18.37	18.74	18.35	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	23.55	23.88	23.74	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	23.59	23.88	23.77	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	23.59	23.95	23.75	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	23.58	23.92	23.79	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	23.56	23.94	23.74	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	23.62	23.88	23.71	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	23.59	23.92	23.72	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	23.58	23.99	23.71	24.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	23.62	23.87	23.76	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	23.63	23.89	23.73	24.5	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					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	19.79			22.5	0.0	
100	PI/2 BPSK	1	137	20.45					
100	PI/2 BPSK	1	271	19.88					
100	PI/2 BPSK	135	0	20.42			22.5	0.0	
100	PI/2 BPSK	135	69	20.46			22.5	0.0	
100	PI/2 BPSK	135	138	20.44			22.5	0.0	
100	PI/2 BPSK	270	0	20.41					
100	QPSK	1	1	19.80			22.5	0.0	
100	QPSK	1	137	20.55					
100	QPSK	1	271	19.88					
100	QPSK	135	0	20.37			22.5	0.0	
100	QPSK	135	69	20.53			22.5	0.0	
100	QPSK	135	138	20.44			22.5	0.0	
100	QPSK	270	0	20.41					
100	16QAM	1	1	19.78			22.5	0.0	
100	64QAM	1	1	19.74			22.5	0.0	
100	256QAM	1	1	18.87			20.0	2.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	120	20.51	20.49	20.54	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	20.45	20.52	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	20.49	20.54	20.45	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	20.51	20.50	20.47	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	20.46	20.54	20.51	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	20.50	20.49	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	20.49	20.50	20.50	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	20.49	20.51	20.52	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	20.52	20.45	20.46	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	20.46	20.53	20.47	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					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.75			24.5	0.0	
100	PI/2 BPSK	1	137	23.41					
100	PI/2 BPSK	1	271	22.72					
100	PI/2 BPSK	135	0	22.88			24.0	0.5	
100	PI/2 BPSK	135	69	23.27			24.5	0.0	
100	PI/2 BPSK	135	138	22.83			24.0	0.5	
100	PI/2 BPSK	270	0	22.77					
100	QPSK	1	1	22.38			24.5	0.0	
100	QPSK	1	137	23.45					
100	QPSK	1	271	22.70					
100	QPSK	135	0	22.39			23.5	1.0	
100	QPSK	135	69	23.43			24.5	0.0	
100	QPSK	135	138	22.28			23.5	1.0	
100	QPSK	270	0	22.28					
100	16QAM	1	1	22.03			23.5	1.0	
100	64QAM	1	1	20.45			22.0	2.5	
100	256QAM	1	1	18.36			20.0	4.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	120	23.36	23.37	23.43	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	23.42	23.36	23.43	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	23.41	23.43	23.35	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	23.34	23.35	23.41	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	23.38	23.35	23.37	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.40	23.42	23.38	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	23.40	23.42	23.38	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	23.40	23.42	23.38	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	23.40	23.42	23.38	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.40	23.42	23.38	24.5	0.0	



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		
Frequency (MHz)				836.5	836.5	836.5		
25	QPSK	1	1		22.88		24.0	0.0
25	QPSK	1	64		22.74			
25	QPSK	1	131		22.69			
25	QPSK	64	0		21.87		23.0	1.0
25	QPSK	64	33		22.81		24.0	0.0
25	QPSK	64	65		21.74		23.0	1.0
25	QPSK	128	0		21.75			

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		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.56	22.75	22.60	24.0	0.0
20	QPSK	1	53	22.47	22.70	22.63		
20	QPSK	1	104	22.32	22.54	22.41		
20	QPSK	50	0	21.59	21.74	21.62	23.0	1.0
20	QPSK	50	28	22.51	22.68	22.52	24.0	0.0
20	QPSK	50	56	21.45	21.69	21.65	23.0	1.0
20	QPSK	100	0	21.62	21.71	21.66		

n7 Ant1 ECI2

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
50	2525	2535	2545	24.0	0.0
50	22.84	22.89	22.75		
50	22.57	22.78	22.51		
50	22.31	22.45	22.23	23.0	1.0
50	21.64	21.73	21.51		
50	22.72	22.82	22.63	24.0	0.0
50	21.66	21.81	21.55		
50	21.57	21.73	21.46	23.0	1.0



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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.46	20.01	19.85	22.5	0.0
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		
100	QPSK	135	69	20.75	20.76	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	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.95	20.51	20.20	23.5	0.0
100	QPSK	1	137	21.25	21.71	21.38		
100	QPSK	1	271	19.13	19.70	19.24		
100	QPSK	135	0	19.77	20.37	19.91		
100	QPSK	135	69	20.91	21.50	21.17	22.5	1.0
100	QPSK	135	138	20.01	20.43	20.10	22.5	0.0
100	QPSK	270	0	19.86	20.55	19.87	22.5	1.0



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	QPSK	1	1		20.11		22.5	0.0
100	QPSK	1	137		21.21			
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94		22.0	0.5
100	QPSK	135	69		20.09		22.5	0.0
100	QPSK	135	138		20.00		22.0	0.5
100	QPSK	270	0		20.05			

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	QPSK	1	1		21.03		23.5	0.0
100	QPSK	1	137		22.06			
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74		22.5	1.0
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03		22.5	1.0
100	QPSK	270	0		20.80			



Part270 n77 Main PA Ant2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	20.09	20.20	19.72	23.0	0.0
100	QPSK	1	137	20.52	20.82	20.56		
100	QPSK	1	271	19.69	19.72	19.65		
100	QPSK	135	0	20.58	20.63	20.58	22.5	0.5
100	QPSK	135	69	20.62	20.77	20.64	23.0	0.0
100	QPSK	135	138	20.35	20.45	20.37	22.5	0.5
100	QPSK	270	0	20.37	20.50	20.40		

Part270 n77 PC2 Main PA Ant2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	21.93	21.99	21.40	24.5	0.0
100	QPSK	1	137	22.44	22.65	22.53		
100	QPSK	1	271	21.93	20.69	21.94		
100	QPSK	135	0	21.21	21.68	21.29	23.5	1.0
100	QPSK	135	69	22.42	22.57	22.36	24.5	0.0
100	QPSK	135	138	21.31	21.52	21.32	23.5	1.0
100	QPSK	270	0	21.20	21.51	21.25		

Part270

BW [MHz]	Modulation	RB Size
Channel		
Frequency (MHz)		
100	QPSK	1
100	QPSK	1
100	QPSK	1
100	QPSK	135
100	QPSK	135
100	QPSK	270



D n78 Main PA Ant2 ECI2					
RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
		650000			
		3750			
1		20.57		23.0	0.0
137		21.30			
271		20.47			
0		21.09			
69		21.27		23.0	0.0
138		21.11		23.0	0.0
0		21.13			

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	QPSK	1	1		21.42		24.5	0.0
100	QPSK	1	137		22.52			
100	QPSK	1	271		21.41			
100	QPSK	135	0		21.17			
100	QPSK	135	69		22.48		24.5	1.0
100	QPSK	135	138		21.22		23.5	1.0
100	QPSK	270	0		21.21			



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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	14.70	14.91	14.86	16.0	0.0
40	QPSK	1	53	14.66	14.77	14.80		
40	QPSK	1	104	14.04	14.02	14.04		
40	QPSK	50	0	14.53	14.55	14.55		
40	QPSK	50	28	14.59	14.71	14.64		
40	QPSK	50	56	14.06	14.02	14.05		
40	QPSK	100	0	14.25	14.60	14.47		

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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	14.82	15.00	14.87	16.0	0.0
100	QPSK	1	137	14.79	14.84	14.84		
100	QPSK	1	271	14.03	14.16	14.09		
100	QPSK	135	0	14.70	14.79	14.74		
100	QPSK	135	69	14.64	14.93	14.75		
100	QPSK	135	138	14.10	14.06	14.02		
100	QPSK	270	0	14.48	14.80	14.64		



Part270 n77 Main PA Ant5 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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	14.74	14.83	14.87	16.5	0.0
100	QPSK	1	137	15.87	15.99	15.93		
100	QPSK	1	271	14.98	15.12	15.13		
100	QPSK	135	0	14.36	14.58	14.62		
100	QPSK	135	69	15.73	15.83	15.71		
100	QPSK	135	138	14.50	14.81	14.59		
100	QPSK	270	0	14.72	14.77	14.50	16.5	0.0

Part270 n78 Main PA Ant5 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				650000	650000	650000		
Frequency (MHz)				3750				
100	QPSK	1	1		14.71		16.5	0.0
100	QPSK	1	137		15.91			
100	QPSK	1	271		15.08			
100	QPSK	135	0		14.36			
100	QPSK	135	69		15.55			
100	QPSK	135	138		14.62			
100	QPSK	270	0		14.69		16.5	0.0



Part270 n77 Main PA Ant7 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	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.26	17.59	17.35			
100	PI/2 BPSK	1	137	18.39	18.85	18.38	19.0	0.0	
100	PI/2 BPSK	1	271	17.47	17.91	17.77			
100	PI/2 BPSK	135	0	17.24	17.47	17.10	19.0	0.0	
100	PI/2 BPSK	135	69	18.25	18.75	18.24	19.0	0.0	
100	PI/2 BPSK	135	138	17.21	17.85	17.21	19.0	0.0	
100	PI/2 BPSK	270	0	17.34	17.62	17.42			
100	QPSK	1	1	17.49	17.72	17.48			
100	QPSK	1	137	18.51	18.91	18.46	19.0	0.0	
100	QPSK	1	271	17.60	18.05	17.84			
100	QPSK	135	0	17.41	17.57	17.34	19.0	0.0	
100	QPSK	135	69	18.35	18.83	18.50	19.0	0.0	
100	QPSK	135	138	17.28	17.87	17.46	19.0	0.0	
100	QPSK	270	0	17.39	17.76	17.49			
100	16QAM	1	1	18.21	18.70	18.15	19.0	0.0	
100	64QAM	1	1	18.13	18.74	18.24	19.0	0.0	
100	256QAM	1	1	18.10	18.54	18.40	19.0	0.0	
Channel				649668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	120	18.41	18.88	18.43	19.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	18.42	18.88	18.35	19.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	95	18.45	18.84	18.37	19.0	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	18.40	18.85	18.43	19.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	18.45	18.81	18.36	19.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	18.40	18.81	18.36	19.0	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	39	18.40	18.88	18.42	19.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	18.40	18.86	18.41	19.0	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	18.40	18.86	18.38	19.0	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	18.40	18.86	18.42	19.0	0.0	

Part270 n78 Main PA Ant7 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	650000	665000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	17.42					
100	PI/2 BPSK	1	137	18.58			19.0	0.0	
100	PI/2 BPSK	1	271	17.78					
100	PI/2 BPSK	135	0	17.14			19.0	0.0	
100	PI/2 BPSK	135	69	18.48			19.0	0.0	
100	PI/2 BPSK	135	138	17.64			19.0	0.0	
100	PI/2 BPSK	270	0	17.49					
100	QPSK	1	1	17.56					
100	QPSK	1	137	18.67			19.0	0.0	
100	QPSK	1	271	17.80					
100	QPSK	135	0	17.39			19.0	0.0	
100	QPSK	135	69	17.71			19.0	0.0	
100	QPSK	135	138	17.64			19.0	0.0	
100	QPSK	270	0	17.61					
100	16QAM	1	1	18.43			19.0	0.0	
100	64QAM	1	1	18.55			19.0	0.0	
100	256QAM	1	1	18.41			19.0	0.0	
Channel				649668	650000	660334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	120	18.65	18.59	18.64	19.0	0.0	
Channel				649334	650000	660668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	18.59	18.80	18.61	19.0	0.0	
Channel				649000	650000	661000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	18.63	18.86	18.59	19.0	0.0	
Channel				648668	650000	661334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	18.62	18.80	18.59	19.0	0.0	
Channel				648334	650000	661668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	18.59	18.64	18.66	19.0	0.0	
Channel				648000	650000	662000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	18.62	18.63	18.60	19.0	0.0	
Channel				647668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	39	18.58	18.59	18.56	19.0	0.0	
Channel				647334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	18.63	18.61	18.65	19.0	0.0	
Channel				647168	650000	662834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	18.63	18.64	18.62	19.0	0.0	
Channel				647000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	18.58	18.59	18.58	19.0	0.0	



Reduced Power Mode for Main PA EC13

n5 Ant0 Default								
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300			24.0	0.0
Frequency (MHz)				836.5				
25	QPSK	1	1	22.88			24.0	0.0
25	QPSK	1	64	22.74				
25	QPSK	1	131	22.69			23.0	1.0
25	QPSK	64	0	21.87				
25	QPSK	64	33	22.81			24.0	0.0
25	QPSK	64	65	21.74			23.0	1.0
25	QPSK	128	0	21.75				

n26 Ant0 Default								
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800			24.0	0.0
Frequency (MHz)				824				
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	23.0	1.0
20	QPSK	50	0	21.79	21.98	21.83		
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		



n7 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid/Hi Ch. / Freq.	High Ch. / Freq.		
Channel				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.19	18.43	18.26		
50	QPSK	1	135	18.36	18.41	18.41	19.5	0.0
50	QPSK	1	268	18.09	18.39	18.09		
50	QPSK	135	0	18.35	18.28	18.31	19.5	0.0
50	QPSK	135	68	18.27	18.41	18.11	19.5	0.0
50	QPSK	135	135	18.37	18.25	18.05		
50	QPSK	270	0	18.34	18.37	18.30	19.5	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.42	19.90	19.76		
100	QPSK	1	137	20.76	20.83	20.77	22.5	0.0
100	QPSK	1	271	19.79	19.95	19.85		
100	QPSK	135	0	20.44	20.56	20.49	22.5	0.0
100	QPSK	135	69	20.65	20.70	20.67	22.5	0.0
100	QPSK	135	138	20.52	20.53	20.47		
100	QPSK	270	0	20.38	20.46	20.42		

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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.95	20.51	20.20		
100	QPSK	1	137	21.25	21.71	21.38	23.5	0.0
100	QPSK	1	271	19.13	19.70	19.24		
100	QPSK	135	0	19.77	20.37	19.91	22.5	1.0
100	QPSK	135	69	20.91	21.51	21.17	23.5	0.0
100	QPSK	135	138	20.01	20.43	20.10		
100	QPSK	270	0	19.86	20.55	19.87	22.5	1.0



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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.5	0.0
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94		22.0	0.5
100	QPSK	135	69		20.99		22.5	0.0
100	QPSK	135	138		20.00			
100	QPSK	270	0		20.05		22.0	0.5

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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		23.5	0.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74		22.5	1.0
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80		22.5	1.0



Part270 n77 Main PA PC2&PC3 Ant2 EC13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	16.01	16.08	16.16	18.0	0.0
100	QPSK	1	137	16.41	16.53	16.45		
100	QPSK	1	271	16.01	16.06	16.04	18.0	2.0
100	QPSK	135	0	16.38	16.36	16.36	18.0	0.0
100	QPSK	135	69	16.09	16.44	16.17	18.0	0.0
100	QPSK	135	138	16.25	16.39	16.14		
100	QPSK	270	0	16.32	16.46	16.37	18.0	0.0

Part270 n78 Main PA PC2&PC3 Ant2 EC13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		16.00			
100	QPSK	1	137		16.31		18.0	0.0
100	QPSK	1	271		16.03			
100	QPSK	135	0		16.10		18.0	0.0
100	QPSK	135	69		16.22		18.0	0.0
100	QPSK	135	138		15.99			
100	QPSK	270	0		16.16		18.0	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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	14.38	14.48	14.37		
40	QPSK	1	53	14.19	14.27	14.16	15.5	0.0
40	QPSK	1	104	14.15	14.32	14.20		
40	QPSK	50	0	14.35	14.42	14.40	15.5	0.0
40	QPSK	50	28	14.32	14.47	14.11	15.5	0.0
40	QPSK	50	56	14.12	14.28	14.26		
40	QPSK	100	0	14.33	14.35	14.24	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	14.41	14.58	14.41		
100	QPSK	1	137	14.30	14.53	14.22	15.5	0.0
100	QPSK	1	271	14.33	14.50	14.20		
100	QPSK	135	0	14.20	14.49	14.29	15.5	0.0
100	QPSK	135	69	14.45	14.56	14.46	15.5	0.0
100	QPSK	135	138	14.35	14.51	14.28		
100	QPSK	270	0	14.32	14.39	14.38	15.5	0.0



Part270 n77 Main PA Ant5 PC2&PC3 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	14.50	14.52	14.50		
100	QPSK	1	137	14.75	14.93	14.62	16.5	0.0
100	QPSK	1	271	14.47	14.51	14.50		
100	QPSK	135	0	14.84	14.85	14.81	16.5	0.0
100	QPSK	135	69	14.71	14.88	14.78	16.5	0.0
100	QPSK	135	138	14.82	14.86	14.72		
100	QPSK	270	0	14.77	14.81	14.75	16.5	0.0

Part270 n78 Main PA Ant5 PC2&PC3 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		14.63			
100	QPSK	1	137		15.00		16.5	0.0
100	QPSK	1	271		14.62			
100	QPSK	135	0		14.96		16.5	0.0
100	QPSK	135	69		14.97		16.5	0.0
100	QPSK	135	138		14.80			
100	QPSK	270	0		14.85		16.5	0.0



Part270 n77 Main PA Ant7 PC2&PC3 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.83	17.93	17.72	18.5	0.0	
100	PI/2 BPSK	1	137	17.76	17.95	17.73			
100	PI/2 BPSK	1	271	17.80	17.97	17.71			
100	PI/2 BPSK	135	0	17.75	17.93	17.70	18.5	0.0	
100	PI/2 BPSK	135	69	17.76	17.96	17.75	18.5	0.0	
100	PI/2 BPSK	135	138	17.82	17.87	17.72	18.5	0.0	
100	PI/2 BPSK	270	0	17.76	17.90	17.71			
100	QPSK	1	1	17.80	17.90	17.73	18.5	0.0	
100	QPSK	1	137	17.86	18.00	17.79			
100	QPSK	1	271	17.82	17.90	17.73			
100	QPSK	135	0	17.82	17.95	17.72	18.5	0.0	
100	QPSK	135	69	17.42	17.96	17.57	18.5	0.0	
100	QPSK	135	138	17.80	17.91	17.69	18.5	0.0	
100	QPSK	270	0	17.50	17.86	17.58			
100	16QAM	1	1	17.25	17.69	17.26	18.5	0.0	
100	64QAM	1	1	17.22	17.86	17.31	18.5	0.0	
100	256QAM	1	1	17.15	17.73	17.52	18.5	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	120	17.84	17.93	17.74	18.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	17.82	17.98	17.76	18.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	QPSK	1	95	17.76	17.98	17.76	18.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.73	17.96	17.72	18.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.82	17.90	17.67	18.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.72	17.98	17.69	18.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	39	17.72	17.89	17.66	18.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	17.75	17.88	17.71	18.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.78	17.90	17.66	18.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.80	17.88	17.73	18.5	0.0	

Part270 n78 Main PA Ant7 PC2&PC3 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		17.65		18.5	0.0	
100	PI/2 BPSK	1	137		17.73				
100	PI/2 BPSK	1	271		17.73				
100	PI/2 BPSK	135	0		17.70		18.5	0.0	
100	PI/2 BPSK	135	69		17.67		18.5	0.0	
100	PI/2 BPSK	135	138		17.68		18.5	0.0	
100	PI/2 BPSK	270	0		17.70				
100	QPSK	1	1		17.74		18.5	0.0	
100	QPSK	1	137		17.78				
100	QPSK	1	271		17.75				
100	QPSK	135	0		17.70		18.5	0.0	
100	QPSK	135	69		17.75		18.5	0.0	
100	QPSK	135	138		17.69		18.5	0.0	
100	QPSK	270	0		16.72				
100	16QAM	1	1		17.55		18.5	0.0	
100	64QAM	1	1		17.71		18.5	0.0	
100	256QAM	1	1		17.52		18.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	120	17.71	17.67	17.69	18.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	17.71	17.74	17.69	18.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	17.75	17.84	17.66	18.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	17.66	17.74	17.66	18.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	17.69	17.72	17.74	18.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	17.72	17.66	17.72	18.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	39	17.71	17.75	17.75	18.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	17.72	17.66	17.75	18.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	17.73	17.68	17.64	18.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	17.72	17.73	17.68	18.5	0.0	



Reduced Power Mode for Main PA EC14

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	QPSK	1	1	22.92			24.0	0.0
25	QPSK	1	64	22.84				
25	QPSK	1	131	22.75			23.0	1.0
25	QPSK	64	0	21.89				
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				

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			24.0	0.0
Frequency (MHz)				824				
20	QPSK	1	1	22.56	22.75	22.60	24.0	0.0
20	QPSK	1	53	22.47	22.70	22.63		
20	QPSK	1	104	22.32	22.54	22.41	23.0	1.0
20	QPSK	50	0	21.59	21.74	21.62		
20	QPSK	50	28	22.51	22.68	22.52	24.0	0.0
20	QPSK	50	56	21.45	21.69	21.65	23.0	1.0
20	QPSK	100	0	21.62	21.71	21.66		



n7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid/Hi Ch. / Freq.	High Ch. / Freq.		
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.89	22.98	22.81		
50	QPSK	1	135	22.66	22.79	22.55	24.0	0.0
50	QPSK	1	268	22.38	22.47	22.25		
50	QPSK	135	0	21.69	21.81	21.61	23.0	1.0
50	QPSK	135	68	22.82	22.93	22.70	24.0	0.0
50	QPSK	135	135	21.70	21.82	21.57		
50	QPSK	270	0	21.66	21.78	21.54	23.0	1.0



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		
Frequency (MHz)				3750	3840	3930		
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	22.5	0.0
100	QPSK	135	138	20.54	20.59	20.57		
100	QPSK	270	0	20.49	20.53	20.47	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	20.04	20.58	20.22		
100	QPSK	1	137	21.35	21.75	21.39	23.5	0.0
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96	22.5	1.0
100	QPSK	135	69	21.00	21.52	21.20	23.5	0.0
100	QPSK	135	138	20.05	20.51	20.19		
100	QPSK	270	0	19.91	20.59	19.96	22.5	1.0



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				650000				
Frequency (MHz)				3750				
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

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				650000				
Frequency (MHz)				3750				
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



Part270 n77 Main PA Ant2 PC2&PC3 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	17.85	17.89	17.82	20.0	0.0
100	QPSK	1	137	18.27	18.29	17.26		
100	QPSK	1	271	17.76	17.86	17.81	18.0	2.0
100	QPSK	135	0	18.19	18.23	18.21	20.0	0.0
100	QPSK	135	69	18.00	18.25	18.01	20.0	0.0
100	QPSK	135	138	18.09	18.22	17.89		
100	QPSK	270	0	18.17	18.21	18.15	20.0	0.0

Part270 n78 Main PA Ant2 PC2&PC3 ECI4								
BW [MHz]	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	QPSK	1	1		17.89			
100	QPSK	1	137		18.11		20.0	0.0
100	QPSK	1	271		17.82			
100	QPSK	135	0		17.92		20.0	0.0
100	QPSK	135	69		18.07		20.0	0.0
100	QPSK	135	138		18.03			
100	QPSK	270	0		18.04		20.0	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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.85	22.98	22.81		
40	QPSK	1	53	22.79	22.82	22.75	24.0	0.0
40	QPSK	1	104	22.39	22.46	22.37		
40	QPSK	50	0	22.19	22.24	22.20	23.0	1.0
40	QPSK	50	28	22.72	22.81	22.73	24.0	0.0
40	QPSK	50	56	21.90	21.95	21.91		
40	QPSK	100	0	22.08	22.13	22.07	23.0	1.0

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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.95	23.08	22.81		
100	QPSK	1	137	22.93	22.99	22.95	24.0	0.0
100	QPSK	1	271	22.08	22.14	22.12		
100	QPSK	135	0	22.81	22.89	22.87	23.0	1.0
100	QPSK	135	69	22.82	23.01	22.97	24.0	0.0
100	QPSK	135	138	22.12	22.18	22.09		
100	QPSK	270	0	22.45	22.55	22.48	23.0	1.0



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	QPSK	1	1	21.85	22.10	22.04	24.0	0.0
100	QPSK	1	137	22.63	22.87	22.60		
100	QPSK	1	271	21.96	22.17	21.98	23.0	1.0
100	QPSK	135	0	22.18	22.53	22.31		
100	QPSK	135	69	22.54	22.82	22.66	24.0	0.0
100	QPSK	135	138	22.22	22.69	22.57		
100	QPSK	270	0	22.26	22.59	22.40	23.0	1.0

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	QPSK	1	1	23.54	23.76	23.62	26.5	0.0
100	QPSK	1	137	24.65	24.72	24.65		
100	QPSK	1	271	23.94	23.96	23.85	25.5	1.0
100	QPSK	135	0	23.30	23.51	23.40		
100	QPSK	135	69	24.50	24.63	24.62	26.5	0.0
100	QPSK	135	138	23.35	23.65	23.31		
100	QPSK	270	0	23.40	23.47	23.24	25.5	1.0



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	QPSK	1	1		22.58			
100	QPSK	1	137		23.17		24.0	0.0
100	QPSK	1	271		22.51			
100	QPSK	135	0		23.12		24.0	0.0
100	QPSK	135	69		23.15		24.0	0.0
100	QPSK	135	138		23.09			
100	QPSK	270	0		23.04		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	QPSK	1	1		23.93			
100	QPSK	1	137		24.86		26.5	0.0
100	QPSK	1	271		23.97			
100	QPSK	135	0		23.64		25.5	1.0
100	QPSK	135	69		24.72		26.5	0.0
100	QPSK	135	138		23.72			
100	QPSK	270	0		23.66		25.5	1.0



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		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.45	20.04		
100	PI/2 BPSK	1	137	20.39	20.86	20.65	22.5	0.0
100	PI/2 BPSK	1	271	19.91	20.23	20.26		
100	PI/2 BPSK	135	0	20.50	20.86	20.79	22.5	0.0
100	PI/2 BPSK	135	69	20.50	21.04	20.79	22.5	0.0
100	PI/2 BPSK	135	138	20.51	20.86	20.58	22.5	0.0
100	PI/2 BPSK	270	0	20.70	20.86	20.63		
100	QPSK	1	1	20.11	20.49	20.30		
100	QPSK	1	137	20.70	21.06	20.75	22.5	0.0
100	QPSK	1	271	20.16	20.50	20.38		
100	QPSK	135	0	20.66	20.93	20.73	22.5	0.0
100	QPSK	135	69	20.70	21.02	20.81	22.5	0.0
100	QPSK	135	138	20.55	20.83	20.83	22.5	0.0
100	QPSK	270	0	20.66	20.92	20.90	22.5	0.0
100	16QAM	1	1	19.86	20.14	19.87	22.5	0.0
100	64QAM	1	1	19.85	20.19	20.17	20.0	2.5
100	256QAM	1	1	19.00	19.39	19.28	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	20.62	20.96	20.69	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	20.61	21.01	20.68	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	20.60	20.98	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	20.61	21.00	20.69	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	21.02	20.68	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.60	21.01	20.70	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	20.67	20.99	20.69	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	20.61	21.01	20.68	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	20.64	20.97	20.68	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.62	20.98	20.71	22.5	0.0

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		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.52	22.92	22.72		
100	PI/2 BPSK	1	137	23.21	23.51	23.25	24.5	0.0
100	PI/2 BPSK	1	271	22.73	23.11	22.96		
100	PI/2 BPSK	135	0	22.93	23.14	22.79	24.0	0.5
100	PI/2 BPSK	135	69	23.50	23.50	23.68	24.5	0.0
100	PI/2 BPSK	135	138	23.12	23.29	23.07	24.0	0.5
100	PI/2 BPSK	270	0	23.00	23.20	22.98		
100	QPSK	1	1	22.44	22.80	22.58		
100	QPSK	1	137	23.65	23.97	23.80	24.5	0.0
100	QPSK	1	271	22.78	23.13	22.98		
100	QPSK	135	0	22.49	22.85	22.82	23.5	1.0
100	QPSK	135	69	23.52	23.93	23.61	24.5	0.0
100	QPSK	135	138	22.46	22.85	22.88	23.5	1.0
100	QPSK	270	0	22.72	22.88	22.61		
100	16QAM	1	1	22.00	22.31	22.07	23.5	1.0
100	64QAM	1	1	20.35	20.72	20.54	22.0	2.5
100	256QAM	1	1	18.37	18.74	18.35	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	23.55	23.88	23.74	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	23.59	23.88	23.77	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	23.59	23.95	23.75	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	23.58	23.92	23.79	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	23.56	23.94	23.74	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	23.62	23.88	23.71	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	23.59	23.92	23.72	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	23.58	23.99	23.71	24.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	23.62	23.87	23.76	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	23.63	23.89	23.73	24.5	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	19.79			22.5	0.0
100	PI/2 BPSK	1	137	20.45				
100	PI/2 BPSK	1	271	19.88				
100	PI/2 BPSK	135	0	20.42			22.5	0.0
100	PI/2 BPSK	135	69	20.46			22.5	0.0
100	PI/2 BPSK	135	138	20.44			22.5	0.0
100	PI/2 BPSK	270	0	20.41				
100	QPSK	1	1	19.80			22.5	0.0
100	QPSK	1	137	20.55				
100	QPSK	1	271	19.88				
100	QPSK	135	0	20.37			22.5	0.0
100	QPSK	135	69	20.53			22.5	0.0
100	QPSK	135	138	20.44			22.5	0.0
100	QPSK	270	0	20.41			22.5	0.0
100	16QAM	1	1	19.78			22.5	0.0
100	64QAM	1	1	19.74			22.5	0.0
100	256QAM	1	1	18.87			20.0	2.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	20.51	20.49	20.54	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	20.45	20.52	22.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	20.49	20.54	20.45	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	20.51	20.50	20.47	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	20.46	20.54	20.51	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	20.50	20.49	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	20.49	20.50	20.50	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	20.49	20.51	20.52	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	20.52	20.45	20.46	22.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	20.46	20.53	20.47	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.75			24.5	0.0
100	PI/2 BPSK	1	137	23.41				
100	PI/2 BPSK	1	271	22.72				
100	PI/2 BPSK	135	0	22.88			24.0	0.5
100	PI/2 BPSK	135	69	23.27			24.5	0.0
100	PI/2 BPSK	135	138	22.83			24.0	0.5
100	PI/2 BPSK	270	0	22.77				
100	QPSK	1	1	22.38			24.5	0.0
100	QPSK	1	137	23.45				
100	QPSK	1	271	22.70				
100	QPSK	135	0	22.39			23.5	1.0
100	QPSK	135	69	23.43			24.5	0.0
100	QPSK	135	138	22.28			23.5	1.0
100	QPSK	270	0	22.28			23.5	1.0
100	16QAM	1	1	22.03			23.5	1.0
100	64QAM	1	1	20.45			22.0	2.5
100	256QAM	1	1	18.36			20.0	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	120	23.36	23.37	23.43	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	23.42	23.36	23.43	24.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	23.41	23.43	23.35	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	23.34	23.35	23.41	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	23.38	23.35	23.37	24.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	23.40	23.42	23.38	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	23.40	23.42	23.38	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	23.40	23.42	23.38	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	23.40	23.42	23.38	24.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	23.40	23.42	23.38	24.5	0.0



Reduced Power Mode for Main PA EC16

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				
Frequency (MHz)				836.5				
25	QPSK	1	1		22.88		24.0	0.0
25	QPSK	1	64		22.74			
25	QPSK	1	131		22.69			
25	QPSK	64	0		21.87		23.0	1.0
25	QPSK	64	33		22.81		24.0	0.0
25	QPSK	64	65		21.74			
25	QPSK	128	0		21.75		23.0	1.0

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					
Frequency (MHz)				824					
20	QPSK	1	1		22.56	22.75	22.60	24.0	0.0
20	QPSK	1	53		22.47	22.70	22.63		
20	QPSK	1	104		22.32	22.54	22.41		
20	QPSK	50	0		21.59	21.74	21.62	23.0	1.0
20	QPSK	50	28		22.51	22.68	22.52	24.0	0.0
20	QPSK	50	56		21.45	21.69	21.65		
20	QPSK	100	0		21.62	21.71	21.66	23.0	1.0

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				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.85	18.93	18.86		
50	QPSK	1	135	18.76	18.79	18.63	20.0	0.0
50	QPSK	1	268	18.80	18.79	18.61		
50	QPSK	135	0	18.77	18.84	18.84	20.0	0.0
50	QPSK	135	68	18.73	18.90	18.72	20.0	0.0
50	QPSK	135	135	18.67	18.81	18.53		
50	QPSK	270	0	18.77	18.87	18.86	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.42	19.90	19.76		
100	QPSK	1	137	20.76	20.83	20.77	22.5	0.0
100	QPSK	1	271	19.79	19.95	19.85		
100	QPSK	135	0	20.44	20.56	20.49	22.5	0.0
100	QPSK	135	69	20.65	20.70	20.67	22.5	0.0
100	QPSK	135	138	20.52	20.53	20.47		
100	QPSK	270	0	20.38	20.46	20.42	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.95	20.51	20.20		
100	QPSK	1	137	21.25	21.71	21.38	23.5	0.0
100	QPSK	1	271	19.13	19.70	19.24		
100	QPSK	135	0	19.77	20.37	19.91	22.5	1.0
100	QPSK	135	69	20.91	21.45	21.17	23.5	0.0
100	QPSK	135	138	20.01	20.43	20.10		
100	QPSK	270	0	19.86	20.55	19.87	22.5	1.0



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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.5	0.0
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94		22.0	0.5
100	QPSK	135	69		20.99		22.5	0.0
100	QPSK	135	138		20.00			
100	QPSK	270	0		20.05		22.0	0.5

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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		23.5	0.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74		22.5	1.0
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80		22.5	1.0



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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	17.80	17.85	17.76	20.0	0.0
100	QPSK	1	137	18.17	18.25	17.16		
100	QPSK	1	271	17.69	17.85	17.80	18.0	2.0
100	QPSK	135	0	18.11	18.13	18.13	20.0	0.0
100	QPSK	135	69	17.96	18.18	18.00	20.0	0.0
100	QPSK	135	138	18.08	18.14	17.87		
100	QPSK	270	0	18.07	18.14	18.08	20.0	0.0

Part270 n78 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				
Frequency (MHz)				3750				
100	QPSK	1	1		17.61			
100	QPSK	1	137		18.01			
100	QPSK	1	271		17.60			
100	QPSK	135	0		17.97		20.0	0.0
100	QPSK	135	69		17.86		20.0	0.0
100	QPSK	135	138		17.96			
100	QPSK	270	0		17.95		20.0	0.0



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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	19.28	19.32	19.25		
40	QPSK	1	53	19.05	19.25	19.07	20.5	0.0
40	QPSK	1	104	19.14	19.22	19.24		
40	QPSK	50	0	19.22	19.23	19.18	20.5	0.0
40	QPSK	50	28	19.15	19.27	19.24		
40	QPSK	50	56	19.23	19.24	19.20		
40	QPSK	100	0	19.17	19.25	19.23	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	19.49	19.56	19.49		
100	QPSK	1	137	19.29	19.42	19.20	20.5	0.0
100	QPSK	1	271	19.28	19.58	19.12		
100	QPSK	135	0	19.38	19.42	19.45	20.5	0.0
100	QPSK	135	69	19.32	19.46	19.05		
100	QPSK	135	138	19.43	19.44	19.19		
100	QPSK	270	0	19.41	19.47	19.39	20.5	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	18.07	18.07	18.00		
100	QPSK	1	137	18.16	18.49	18.16	19.0	0.0
100	QPSK	1	271	18.20	18.39	18.11		
100	QPSK	135	0	18.36	18.38	18.39	19.0	0.0
100	QPSK	135	69	18.19	18.41	18.08	19.0	0.0
100	QPSK	135	138	18.14	18.26	18.30	19.0	0.0
100	QPSK	270	0	18.32	18.42	18.39		

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				
Frequency (MHz)				3750				
100	QPSK	1	1		17.93			
100	QPSK	1	137		18.47		19.0	0.0
100	QPSK	1	271		17.99			
100	QPSK	135	0		18.39		19.0	0.0
100	QPSK	135	69		18.41		19.0	0.0
100	QPSK	135	138		18.31		19.0	0.0
100	QPSK	270	0		18.30			



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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.71	20.01	19.82		
100	QPSK	1	137	20.28	20.61	20.31	22.5	0.0
100	QPSK	1	271	19.68	20.04	19.93		
100	QPSK	135	0	20.22	20.43	20.32	22.5	0.0
100	QPSK	135	69	20.21	20.52	20.33	22.5	0.0
100	QPSK	135	138	20.06	20.38	20.40		
100	QPSK	270	0	20.24	20.43	20.42	22.5	0.0

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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	20.81	21.14	20.83		
100	QPSK	1	137	21.74	22.17	21.88	24.5	0.0
100	QPSK	1	271	20.93	21.32	21.17		
100	QPSK	135	0	20.65	20.94	20.73	23.5	1.0
100	QPSK	135	69	21.64	22.16	21.76	24.5	0.0
100	QPSK	135	138	20.66	21.06	20.80		
100	QPSK	270	0	20.79	21.01	20.86	23.5	1.0



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				
Frequency (MHz)				3750				
100	QPSK	1	1		19.89			
100	QPSK	1	137		20.62		22.5	0.0
100	QPSK	1	271		19.92			
100	QPSK	135	0		20.44		22.5	0.0
100	QPSK	135	69		20.60		22.5	0.0
100	QPSK	135	138		20.52			
100	QPSK	270	0		20.50		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				
Frequency (MHz)				3750				
100	QPSK	1	1		21.53			
100	QPSK	1	137		22.65		24.5	0.0
100	QPSK	1	271		21.89			
100	QPSK	135	0		21.54		23.5	1.0
100	QPSK	135	69		22.60		24.5	0.0
100	QPSK	135	138		21.51			
100	QPSK	270	0		21.43		23.5	1.0



Reduced Power Mode for Main PA EC17

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				
Frequency (MHz)				836.5				
25	QPSK	1	1	22.88			24.0	0.0
25	QPSK	1	64	22.74				
25	QPSK	1	131	22.69				
25	QPSK	64	0	21.87			23.0	1.0
25	QPSK	64	33	22.81			24.0	0.0
25	QPSK	64	65	21.74				
25	QPSK	128	0	21.75			23.0	1.0

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				
Frequency (MHz)				824				
20	QPSK	1	1	22.56	22.75	22.60		
20	QPSK	1	53	22.47	22.70	22.63		
20	QPSK	1	104	22.32	22.54	22.41	24.0	0.0
20	QPSK	50	0	21.59	21.74	21.62	23.0	1.0
20	QPSK	50	28	22.51	22.68	22.52	24.0	0.0
20	QPSK	50	56	21.45	21.69	21.65		
20	QPSK	100	0	21.62	21.71	21.66	23.0	1.0

n7 Ant1 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000		
Frequency (MHz)				2825	2835	2845		
50	QPSK	1	1	18.25	18.49	18.22		
50	QPSK	1	135	18.35	18.37	18.41	19.5	0.0
50	QPSK	1	268	18.12	18.46	18.16		
50	QPSK	135	0	18.38	18.21	18.37	19.5	0.0
50	QPSK	135	68	18.30	18.39	18.16	19.5	0.0
50	QPSK	135	135	18.30	18.28	18.08		
50	QPSK	270	0	18.29	18.37	18.25	19.5	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.42	19.90	19.76		
100	QPSK	1	137	20.76	20.83	20.77	22.5	0.0
100	QPSK	1	271	19.79	19.95	19.85		
100	QPSK	135	0	20.44	20.56	20.49	22.5	0.0
100	QPSK	135	69	20.65	20.70	20.67	22.5	0.0
100	QPSK	135	138	20.52	20.53	20.47		
100	QPSK	270	0	20.38	20.46	20.42		

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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.95	20.51	20.20		
100	QPSK	1	137	21.25	21.71	21.38	23.5	0.0
100	QPSK	1	271	19.13	19.70	19.24		
100	QPSK	135	0	19.77	20.37	19.91	22.5	1.0
100	QPSK	135	69	20.91	21.50	21.17	23.5	0.0
100	QPSK	135	138	20.01	20.43	20.10		
100	QPSK	270	0	19.86	20.55	19.87	22.5	1.0



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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.5	0.0
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94		22.0	0.5
100	QPSK	135	69		20.99		22.5	0.0
100	QPSK	135	138		20.00			
100	QPSK	270	0		20.05		22.0	0.5

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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		23.5	0.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74		22.5	1.0
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80		22.5	1.0



Part270 n77 Main PA Ant2 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			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	13.30	13.50	13.22	15.0	0.0	
100	PI/2 BPSK	1	137	13.32	13.34	13.11			
100	PI/2 BPSK	1	271	13.34	13.41	13.19	15.0	0.0	
100	PI/2 BPSK	135	0	13.23	13.51	13.31	15.0	0.0	
100	PI/2 BPSK	135	69	13.22	13.50	13.22	15.0	0.0	
100	PI/2 BPSK	135	138	13.33	13.36	13.15	15.0	0.0	
100	PI/2 BPSK	270	0	13.15	13.45	13.19			
100	QPSK	1	1	13.24	13.08	13.09	15.0	0.0	
100	QPSK	1	137	13.47	13.56	13.43			
100	QPSK	1	271	12.99	13.02	12.98	15.0	0.0	
100	QPSK	135	0	13.35	13.46	13.42	15.0	0.0	
100	QPSK	135	69	13.17	13.49	13.25	15.0	0.0	
100	QPSK	135	138	13.07	13.42	13.23	15.0	0.0	
100	QPSK	270	0	13.30	13.47	13.31			
100	16QAM	1	1	13.18	13.52	13.19	15.0	0.0	
100	64QAM	1	1	13.13	13.43	13.24	15.0	0.0	
100	256QAM	1	1	13.21	13.44	13.41	15.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	15.0	0.0	
90	QPSK	1	120	13.29	13.31	13.32	15.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	15.0	0.0	
80	QPSK	1	109	13.29	13.28	13.24	15.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	15.0	0.0	
70	QPSK	1	95	13.25	13.39	13.31	15.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	15.0	0.0	
60	QPSK	1	81	12.33	12.38	12.22	15.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	15.0	0.0	
50	QPSK	1	67	12.33	12.38	12.25	15.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	15.0	0.0	
40	QPSK	1	53	12.29	12.31	12.31	15.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	15.0	0.0	
30	QPSK	1	39	12.34	12.32	12.30	15.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	15.0	0.0	
20	QPSK	1	26	12.27	12.35	12.24	15.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	15.0	0.0	
15	QPSK	1	19	12.28	12.31	12.31	15.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	15.0	0.0	
10	QPSK	1	12	12.35	12.35	12.22	15.0	0.0	

Part270 n78 Main PA Ant2 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	650000	650000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		12.95				
100	PI/2 BPSK	1	137		12.91		15.0	0.0	
100	PI/2 BPSK	1	271		13.05				
100	PI/2 BPSK	135	0		12.95		15.0	0.0	
100	PI/2 BPSK	135	69		12.89		15.0	0.0	
100	PI/2 BPSK	135	138		13.04		15.0	0.0	
100	PI/2 BPSK	270	0		13.02				
100	QPSK	1	1		12.69				
100	QPSK	1	137		13.09		15.0	0.0	
100	QPSK	1	271		12.82				
100	QPSK	135	0		13.06		15.0	0.0	
100	QPSK	135	69		13.07		15.0	0.0	
100	QPSK	135	138		13.05		15.0	0.0	
100	QPSK	270	0		13.03				
100	16QAM	1	1		13.06		15.0	0.0	
100	64QAM	1	1		12.91		15.0	0.0	
100	256QAM	1	1		12.96		15.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	15.0	0.0	
90	QPSK	1	120	11.98	12.03	12.01	15.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	15.0	0.0	
80	QPSK	1	109	12.00	12.05	12.01	15.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	15.0	0.0	
70	QPSK	1	95	11.99	12.07	12.04	15.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	15.0	0.0	
60	QPSK	1	81	12.00	12.02	12.08	15.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	15.0	0.0	
50	QPSK	1	67	12.06	12.00	12.04	15.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.0	0.0	
40	QPSK	1	53	12.03	12.03	12.03	15.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	15.0	0.0	
30	QPSK	1	39	12.08	12.01	12.08	15.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	15.0	0.0	
20	QPSK	1	26	12.00	12.07	12.07	15.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	15.0	0.0	
15	QPSK	1	19	11.99	12.07	12.07	15.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.0	0.0	
10	QPSK	1	12	12.04	12.07	11.99	15.0	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		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	11.45	11.47	11.37	12.5	0.0
40	QPSK	1	53	11.28	11.30	11.21		
40	QPSK	1	104	11.25	11.27	11.27		
40	QPSK	50	0	11.36	11.32	11.45	12.5	0.0
40	QPSK	50	28	11.28	11.46	11.24	12.5	0.0
40	QPSK	50	56	11.18	11.40	11.23		
40	QPSK	100	0	11.28	11.40	11.34	12.5	0.0

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		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	11.41	11.46	11.42		
100	QPSK	1	137	11.24	11.31	11.18		
100	QPSK	1	271	11.17	11.40	11.21		
100	QPSK	135	0	11.40	11.28	11.42	12.5	0.0
100	QPSK	135	69	11.32	11.49	11.30	12.5	0.0
100	QPSK	135	138	11.40	11.37	11.18		
100	QPSK	270	0	11.38	11.43	11.37	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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	12.18	12.36	12.28		
100	QPSK	1	137	12.37	12.49	12.36		
100	QPSK	1	271	12.21	12.28	12.17		
100	QPSK	135	0	12.05	12.33	12.29	14.0	0.0
100	QPSK	135	69	12.33	12.39	12.31	14.0	0.0
100	QPSK	135	138	12.16	12.33	12.11		
100	QPSK	270	0	12.33	12.36	12.24	14.0	0.0

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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		12.01			
100	QPSK	1	137		12.58			
100	QPSK	1	271		12.09			
100	QPSK	135	0		12.43		14.0	0.0
100	QPSK	135	69		12.52		14.0	0.0
100	QPSK	135	138		12.40			
100	QPSK	270	0		12.48		14.0	0.0



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		
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	15.00	15.26	14.96		
100	QPSK	1	137	15.95	16.35	16.02	16.5	0.0
100	QPSK	1	271	15.06	15.53	15.42		
100	QPSK	135	0	14.90	15.08	14.85	16.5	0.0
100	QPSK	135	69	15.88	16.32	15.93	16.5	0.0
100	QPSK	135	138	14.72	15.27	15.01		
100	QPSK	270	0	14.87	15.29	14.98	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				650000				
Frequency (MHz)				3750				
100	QPSK	1	1		15.17			
100	QPSK	1	137		16.19		16.5	0.0
100	QPSK	1	271		15.26			
100	QPSK	135	0		14.99		16.5	0.0
100	QPSK	135	69		15.18		16.5	0.0
100	QPSK	135	138		15.16			
100	QPSK	270	0		15.04		16.5	0.0



Conducted Power for WLAN/Bluetooth

<2.4GHz WLAN>

Ant6		RF Full power Standalone for Extremity				Standalone for Head		Standalone for Hotspot		Standalone 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	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not request	20.50	17.50	Not request	15.50	15.50	15.50	100%	
		6	2437	Not request	20.50	16.91	17.50	15.50	15.50	15.50		
		11	2462	Not request	20.50	17.50	17.50	15.50	15.50	15.50		
	802.11g 6Mbps	1	2412	Not request	16.50	15.50	Not request	14.11	15.50	15.50	100%	
		6	2437	Not request	20.00	17.50	17.00	15.50	15.50	15.50		
		11	2462	Not request	19.00	17.00	17.00	15.50	15.50	15.50		
802.11n-HT20 MCS0	1	2412	Not request	15.50	15.50	Not request	15.50	15.50	15.50	100%		
	6	2437	Not request	20.00	17.50	17.00	15.50	15.50	15.50			
	11	2462	Not request	17.50	17.00	17.00	15.50	15.50	15.50			
802.11n-HT40 MCS0	3	2422	13.26	15.00	15.00	15.00	15.00	15.00	15.00	100%		
	6	2437	16.20	17.50	17.50	15.50	15.50	15.50	15.50			
	9	2452	13.78	15.00	15.00	15.00	15.00	15.00	15.00			

<5.2GHz WLAN>

Ant6		RF Full power Standalone for Extremity				Standalone for Head/Hotspot		Standalone for Body-worn		Simultaneous 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	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not request	19.50	15.00	15.55	17.50	13.00	13.00	100%	
		40	5200	Not request	19.50	15.00	15.83	17.50	13.00	13.00		
		44	5220	17.91	19.50	15.00	16.11	17.50	13.00	13.00		
	802.11n-HT20 MCS0	48	5240	Not request	19.00	15.00	15.95	17.50	13.00	13.00	100%	
		38	5180	Not request	19.00	15.00	15.00	17.50	13.00	13.00		
		40	5200	Not request	19.00	15.00	15.00	17.50	13.00	13.00		
	802.11n-HT40 MCS0	48	5240	Not request	19.00	15.00	15.00	17.50	13.00	13.00	100%	
		38	5180	Not request	17.00	15.00	17.00	17.00	13.00	13.00		
		46	5230	Not request	17.00	15.00	17.00	17.00	13.00	13.00		
	802.11ac-VHT20 MCS0	36	5180	Not request	19.00	15.00	Not request	17.50	13.00	13.00	100%	
		40	5200	Not request	19.00	15.00	Not request	17.50	13.00	13.00		
		44	5220	Not request	19.00	15.00	Not request	17.50	13.00	13.00		
802.11ac-VHT40 MCS0	48	5240	Not request	19.00	15.00	Not request	17.50	13.00	13.00	100%		
	38	5190	Not request	17.00	15.00	Not request	17.00	13.00	13.00			
	46	5230	Not request	17.00	15.00	Not request	17.00	13.00	13.00			
802.11ac-VHT80 MCS0	42	5210	Not request	15.50	13.38	15.00	15.00	11.55	13.00	100%		

<5.3GHz WLAN>

Ant6		RF Full power Standalone for Extremity				Standalone for Head		Standalone for Body-worn		Simultaneous 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	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not request	20.00	16.00	16.29	18.00	14.00	14.00	100%	
		56	5280	Not request	20.00	16.00	16.45	18.00	14.00	14.00		
		60	5300	Not request	20.00	16.00	16.42	18.00	14.00	14.00		
	802.11n-HT20 MCS0	64	5320	Not request	19.00	16.00	16.35	18.00	14.00	14.00	100%	
		52	5260	Not request	19.50	16.00	16.00	18.00	14.00	14.00		
		56	5280	Not request	19.50	16.00	16.00	18.00	14.00	14.00		
	802.11n-HT40 MCS0	64	5320	Not request	18.00	16.00	18.00	18.00	14.00	14.00	100%	
		54	5270	Not request	17.50	16.00	17.50	17.50	14.00	14.00		
		62	5310	Not request	16.50	16.00	16.50	16.50	14.00	14.00		
	802.11ac-VHT20 MCS0	52	5260	Not request	20.00	16.00	18.00	18.00	14.00	14.00	100%	
		56	5280	Not request	20.00	16.00	18.00	18.00	14.00	14.00		
		60	5300	Not request	20.00	16.00	18.00	18.00	14.00	14.00		
802.11ac-VHT40 MCS0	64	5320	Not request	18.00	16.00	18.00	18.00	14.00	14.00	100%		
	54	5270	Not request	17.50	16.00	17.50	17.50	14.00	14.00			
	62	5310	Not request	16.50	16.00	16.50	16.50	14.00	14.00			
802.11ac-VHT80 MCS0	58	5290	Not request	16.50	14.25	16.00	16.50	12.41	14.00	100%		

<5.5GHz WLAN>

Ant6		RF Full power Standalone for Extremity				Standalone for Head		Standalone 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	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.56	19.00	17.00	14.00	14.00	100%	
		116	5580	Not request	19.00	17.00	14.00	14.00		
		124	5620	Not request	19.00	17.00	14.00	14.00		
		132	5660	Not request	19.00	17.00	14.00	14.00		
		140	5700	Not request	17.00	17.00	14.00	14.00		
		144	5720	Not request	19.00	17.00	14.00	14.00		
	802.11n-HT20 MCS0	100	5500	Not request	19.00	17.00	14.00	14.00	100%	
		116	5580	Not request	19.00	17.00	14.00	14.00		
		124	5620	Not request	19.00	17.00	14.00	14.00		
		132	5660	Not request	19.00	17.00	14.00	14.00		
		140	5700	Not request	16.00	17.00	14.00	14.00		
		144	5720	Not request	19.00	17.00	14.00	14.00		
	802.11n-HT40 MCS0	100	5500	Not request	19.00	17.00	14.00	14.00	100%	
		116	5580	Not request	19.00	17.00	14.00	14.00		
		124	5620	Not request	19.00	17.00	14.00	14.00		
		132	5660	Not request	19.00	17.00	14.00	14.00		
		140	5700	Not request	16.00	17.00	14.00	14.00		
		144	5720	Not request	19.00	17.00	14.00	14.00		
802.11ac-VHT40 MCS0	102	5510	Not request	17.00	17.00	14.00	14.00	100%		
	110	5550	Not request	17.00	17.00	14.00	14.00			
	126	5630	Not request	17.00	17.00	14.00	14.00			
	134	5670	Not request	17.00	17.00	14.00	14.00			
	142	5710	Not request	17.00	17.00	14.00	14.00			
	146	5730	Not request	17.00	17.00	14.00	14.00			
802.11ac-VHT80 MCS0	106	5530	Not request	15.50	15.50	14.00	14.00	100%		
	122	5610	Not request	15.50	15.50	14.00	14.00			
	138	5690	Not request	15.50	15.50	12.66	14.00			

<5.8GHz WLAN>

Ant6		RF Full power Standalone for Extremity				Standalone for Head		Simultaneous for Head		Standalone for Hotspot		Simultaneous for Extremity		Standalone for Body-worn		Simultaneous 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	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.55	19.00	16.51	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00	100%	
		157	5785	Not request	19.00	16.45	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00		
		165	5825	Not request	19.00	16.42	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00		
	802.11n-HT20 MCS0	149	5745	Not request	18.50	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00	100%		
		157	5785	Not request	18.50	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
		165	5825	Not request	18.50	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
	802.11n-HT40 MCS0	151	5755	Not request	17.00	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00	100%		
		159	5795	Not request	17.00	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
		149	5745	Not request	18.50	18.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
	802.11ac-VHT20 MCS0	157	5785	Not request	18.50	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00	100%		
		165	5825	Not request	18.50	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
		151	5755	Not request	17.00	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00			
	802.11ac-VHT40 MCS0	159	5795	Not request	17.00	17.00	12.50	10.00	10.00	13.50	9.50	10.00	13.50	9.50	10.00	100%		
		157	5785	Not request	15.50	15.50	11.39	12.50	8.77	10.00	14.21	15.50	12.33	13.50	8.37	9.50	100%	
		155	5775	Not request	15.50	15.50	11.39	12.50	8.77	10.00	14.21	15.50	12.33	13.50	8.37	9.50		



BT BR/EDR			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.61		
	CH 39	2441	Not request	Not request	
	CH 78	2480	Not request	Not request	
	Transp. Limit		15.5	14	14