

Full&Default Power Mode Main PA

GSM850 Ant0 Default							
GSM850		Burst Average Power (dbm)			Tune-up		Frame-Average Power (dbm)
TX Channel		126	169	251	Limit		126
Frequency (MHz)		854.2	858.4	868.8	(dbm)		854.2
GPRS 1 Tx slot		32.85	32.89	32.75	34.00	23.85	23.89
GPRS 2 Tx slots		31.81	31.96	31.76	33.50	25.81	25.96
GPRS 3 Tx slots		30.00	30.11	30.09	31.50	25.74	25.85
GPRS 4 Tx slots		28.99	29.05	28.81	30.50	25.99	26.05
GSM1900 Ant0 Default							
GSM1900		Burst Average Power (dbm)			Tune-up		Frame-Average Power (dbm)
TX Channel		512	661	810	Limit		512
Frequency (MHz)		1850.2	1860	1900.8	(dbm)		1850.2
GPRS 1 Tx slot		29.22	29.30	29.13	30.50	20.22	20.30
GPRS 2 Tx slots		28.23	28.30	28.17	29.50	22.23	22.30
GPRS 3 Tx slots		26.07	26.16	26.01	27.50	21.81	21.90
GPRS 4 Tx slots		25.00	25.00	24.82	26.50	22.00	22.03
WCDMA II Ant0 Default							
Band		WCDMA II			Tune-up		WCDMA V
TX Channel		9262	9400	9538	Limit		4162
Frequency (MHz)		1852.4	1860	1907.6	(dbm)		4367
3GPP Rel 99		RMC 12.2Kbps	22.55	22.59	22.58	24.00	22.84
							22.86



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				15700	15900	15900	24	0	
Frequency (MHz)				1560	1580	1590			
20	QPSK	1	0	22.46	22.48	22.38			
20	QPSK	1	49	22.33	22.36	22.30	23	1	
20	QPSK	1	99	22.27	22.31	22.28			
20	QPSK	50	0	21.37	21.44	21.34			
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	24	0	
Frequency (MHz)				5	0	-5			
10	QPSK	1	0	22.68	22.66	22.73			
10	QPSK	1	25	22.73	22.74	22.66	23	1	
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			

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				20752	20855	20952	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.69	22.52	22.78			
15	QPSK	1	37	22.81	22.76	22.66	23	1	
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			
15	QPSK	73	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)				1745	1745	1770			
20	QPSK	1	0	22.68	22.74	22.69	24	0	
20	QPSK	1	49	22.71	22.71	22.70			
20	QPSK	1	99	22.53	22.69	22.57			
20	QPSK	50	0	21.74	21.96	21.84	23	1	
20	QPSK	50	24	21.88	21.87	21.81			
20	QPSK	50	50	21.71	21.77	21.79			
20	QPSK	100	0	21.81	21.97	21.82	23	1	
20	16QAM	1	0	21.74	21.82	21.74			
20	16QAM	1	49	21.71	21.76	21.69			
20	16QAM	1	99	21.61	21.79	21.74	22	2	
20	16QAM	50	0	20.78	21.00	20.82			
20	16QAM	50	24	20.86	20.78	20.82			
20	16QAM	50	50	20.80	20.84	20.79	22	2	
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	24	0	
15	QPSK	1	37	22.66	22.60	22.68			
15	QPSK	1	74	22.47	22.64	22.52			
15	QPSK	36	0	21.73	21.90	21.75	23	1	
15	QPSK	36	20	21.78	21.80	21.78			
15	QPSK	36	39	21.67	21.71	21.76			
15	QPSK	75	0	21.70	21.95	21.79	23	1	
15	16QAM	1	0	21.67	21.72	21.67			
15	16QAM	1	37	21.62	21.72	21.62			
15	16QAM	1	74	21.59	21.76	21.70	22	2	
15	16QAM	36	0	20.72	20.97	20.81			
15	16QAM	36	20	20.79	20.75	20.80			
15	16QAM	36	39	20.75	20.81	20.74	22	2	
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)				1719	1745	1775			
10	QPSK	1	0	22.60	22.71	22.59	24	0	
10	QPSK	1	25	22.62	22.60	22.64			
10	QPSK	1	49	22.42	22.65	22.52			
10	QPSK	25	0	21.70	21.91	21.77	23	1	
10	QPSK	25	12	21.86	21.78	21.80			
10	QPSK	25	25	21.81	21.74	21.73			
10	QPSK	50	0	21.78	21.93	21.80	23	1	
10	16QAM	1	0	21.71	21.72	21.69			
10	16QAM	1	25	21.65	21.67	21.61			
10	16QAM	1	49	21.55	21.76	21.71	22	2	
10	16QAM	25	0	20.70	20.98	20.72			
10	16QAM	25	12	20.85	20.75	20.75			
10	16QAM	25	25	20.72	20.78	20.74	22	2	
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	19.79			
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	24	0	
5	QPSK	1	12	22.61	22.65	22.64			
5	QPSK	1	24	22.43	22.67	22.55			
5	QPSK	12	0	21.71	21.94	21.73	23	1	
5	QPSK	12	7	21.87	21.78	21.75			
5	QPSK	12	13	21.61	21.71	21.75			
5	QPSK	25	0	21.71	21.89	21.74	23	1	
5	16QAM	1	0	21.67	21.73	21.67			
5	16QAM	1	12	21.61	21.68	21.58			
5	16QAM	1	24	21.60	21.72	21.68	22	2	
5	16QAM	12	0	20.70	20.95	20.77			
5	16QAM	12	7	20.79	20.69	20.77			
5	16QAM	12	13	20.77	20.74	20.77	22	2	
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				131987	132322	132957	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1779.5			
3	QPSK	1	0	22.60	22.65	22.64	24	0	
3	QPSK	1	8	22.60	22.62	22.62			
3	QPSK	1	14	22.46	22.63	22.50			
3	QPSK	8	0	21.68	21.88	21.77	23	1	
3	QPSK	8	4	21.80	21.78	21.77			
3	QPSK	8	7	21.65	21.70	21.71			
3	QPSK	15	0	21.76	21.92	21.74	23	1	
3	16QAM	1	0	21.65	21.78	21.70			
3	16QAM	1	8	21.61	21.70	21.61			
3	16QAM	1	14	21.53	21.72	21.73	22	2	
3	16QAM	8	0	20.70	20.89	20.79			
3	16QAM	8	4	20.81	20.70	20.80			
3	16QAM	8	7	20.71	20.74	20.74	22	2	
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	132965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.62	22.65	22.62	24	0	
1.4	QPSK	1	3	22.68	22.66	22.60			
1.4	QPSK	1	5	22.45	22.65	22.53			
1.4	QPSK	3	0	22.58	22.63	22.54	23	1	
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	21.69			
1.4	16QAM	1	5	21.53	21.72	21.69	23	1	
1.4	16QAM	3	0	21.65	21.88	21.82			
1.4	16QAM	3	1	21.63	21.83	21.81			
1.4	16QAM	3	3	21.43	21.67	21.64	22	2	
1.4	16QAM	6	0	20.70	20.76	20.67			
1.4	64QAM	1	0	20.91	20.93	20.88			
1.4	64QAM	1	3	20.82	20.98	20.82	22	2	
1.4	64QAM	1	5	20.75	20.80	20.79			
1.4	64QAM	3	0	20.83	20.87	20.82			
1.4	64QAM	3	1	20.76	20.89	20.76	21	3	
1.4	64QAM	3	3	20.65	20.76	20.73			
1.4	64QAM	6	0	19.69	19.73	19.66			



Band 7 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21550	24	0
Frequency (MHz)				2010	2035	2060		
20	QPSK	1	0	22.84	23.02	22.93		
20	QPSK	1	49	22.82	22.94	22.84	23	1
20	QPSK	1	99	22.72	22.88	22.66		
20	QPSK	50	0	21.82	21.98	21.84		
20	QPSK	50	24	21.79	21.90	21.75	23	1
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	24	0
20	QPSK	1	0	22.78	22.98	22.81		
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	21.67		
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 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.		
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	
20	QPSK	1	49	22.61	22.72	22.78	22.79	22.62		0
20	QPSK	1	99	22.67	22.66	22.78	22.89	22.58		
20	QPSK	50	0	21.72	21.83	21.86	21.88	21.76	23	
20	QPSK	50	24	21.62	21.75	21.76	21.72	21.53		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 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)				1715	1745	1770					
20	QPSK	1	0	20.38	20.50	20.46	21.5	0			
20	QPSK	1	49	20.47	20.47	20.37					
20	QPSK	1	99	20.30	20.45	20.25					
20	QPSK	50	0	19.58	19.64	19.56	20.5	1			
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	19.66	19.51	20.5	1			
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	2			
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	18.5	3			
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	17.58	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	20.29	20.46	20.45	21.5	0			
15	QPSK	1	37	20.39	20.38	20.32					
15	QPSK	1	74	20.26	20.44	20.16					
15	QPSK	36	0	19.47	19.60	19.47	20.5	1			
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	1			
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	2			
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	2			
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	18.5	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	20.34	20.40	20.40	21.5	0			
10	QPSK	1	25	20.41	20.45	20.33					
10	QPSK	1	49	20.29	20.38	20.22					
10	QPSK	25	0	19.48	19.63	19.50	20.5	1			
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	1			
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	2			
10	16QAM	25	0	18.54	18.55	18.60					
10	16QAM	25	12	18.46	18.60	18.43					
10	16QAM	25	25	18.43	18.51	18.51	19.5	2			
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	18.5	3			
10	64QAM	1	49	18.06	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	20.34	20.43	20.38	21.5	0			
5	QPSK	1	12	20.38	20.38	20.33					
5	QPSK	1	24	20.19	20.34	20.21					
5	QPSK	12	0	19.52	19.60	19.53	20.5	1			
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	1			
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	2			
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	2			
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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	20.29	20.44	20.39	21.5	0			
3	QPSK	1	8	20.40	20.37	20.29					
3	QPSK	1	14	20.23	20.35	20.17					
3	QPSK	8	0	19.49	19.61	19.50	20.5	1			
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	1			
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	20.5	1			
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	2			
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	1	14	18.08	18.36	18.25					
3	64QAM	8	0	17.55	17.57	17.38	18.5	3			
3	64QAM	8	4	17.46	17.60	17.44					
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	1745	1779.3					
1.4	QPSK	1	0	20.39	20.49	20.32	21.5	0			
1.4	QPSK	1	3	20.42	20.42	20.32					
1.4	QPSK	1	5	20.13	20.25	20.11					
1.4	QPSK	3	0	20.42	20.40	20.34	20.5	1			
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					
1.4	16QAM	1	5	19.37	19.55	19.29	20.5	1			
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	19.16	19.06	19.5	2			
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	2			
1.4	64QAM	1	5	17.84	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	3			
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			
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	0	22.70	22.79	22.78	24	0	
20	QPSK	1	49	22.65	22.73	22.72			
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	23	1	
20	QPSK	50	50	21.87	21.94	21.80			
20	QPSK	100	0	21.83	21.89	21.82			

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		
Frequency (MHz)				2606	2649.5	2693	2736.5	2780		
20	QPSK	1	0	22.85	23.00	23.11	22.98	22.87	24	0
20	QPSK	1	49	22.73	22.91	23.04	22.96	22.82		
20	QPSK	1	99	22.78	22.82	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	23	1
20	QPSK	50	50	21.82	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		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.62	25.86	25.98	25.94	25.79	27	0
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	26	1
20	QPSK	50	50	24.79	24.84	24.94	24.82	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	42590	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 AnH0 EC12							
GSM850		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)
TX Channel		126	169	251	Limit		251
Frequency (MHz)		854.2	836.4	848.8	(dBm)		(dBm)
GPRS 1 Tx slot		32.85	32.89	32.75	34.00	23.85	23.89
GPRS 2 Tx slots		31.81	31.96	31.76	33.50	25.81	25.96
GPRS 3 Tx slots		30.00	30.11	30.09	31.50	25.74	25.85
GPRS 4 Tx slots		28.99	29.05	28.81	30.50	25.99	26.05
GSM1800 AnH0 EC12							
GSM1800		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)
TX Channel		512	661	810	Limit		810
Frequency (MHz)		1850.2	1860	1900.8	(dBm)		(dBm)
GPRS 1 Tx slot		29.22	29.30	29.13	30.50	20.22	20.30
GPRS 2 Tx slots		28.23	28.30	28.17	29.50	22.23	22.30
GPRS 3 Tx slots		26.07	26.16	26.01	27.50	21.81	21.90
GPRS 4 Tx slots		25.00	25.00	24.82	26.50	22.00	22.03
WCDMA II AnH0 EC12							
Band		WCDMA II			Tune-up		WCDMA V
TX Channel		9262	9400	9538	Limit		9235
Frequency (MHz)		9692	9800	9938	(dBm)		(dBm)
3GPP Rel 99		22.55	22.59	22.58	24.00	22.84	22.86
RMC 12.2Kbps							



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				15700	15900	15900	24	0
Frequency (MHz)				1560	1560	1560		
20	QPSK	1	0	22.46	22.48	22.38		
20	QPSK	1	49	22.33	22.36	22.30	23	1
20	QPSK	1	99	22.27	22.31	22.28		
20	QPSK	50	0	21.37	21.44	21.34		
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	20500	24	0
Frequency (MHz)				839	839.5	844		
10	QPSK	1	0	22.68	22.66	22.73		
10	QPSK	1	25	22.73	22.74	22.66	23	1
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	21.76		
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				20752	20855	20852	24	0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.69	22.52	22.78		
15	QPSK	1	37	22.81	22.76	22.66	23	1
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		
15	QPSK	73	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	24	0	
20	QPSK	1	49	22.71	22.71	22.70			
20	QPSK	1	99	22.53	22.69	22.57			
20	QPSK	50	0	21.74	21.96	21.84	23	1	
20	QPSK	50	24	21.86	21.87	21.81			
20	QPSK	50	50	21.71	21.77	21.79			
20	QPSK	100	0	21.81	21.97	21.82	23	1	
20	16QAM	1	0	21.74	21.82	21.74			
20	16QAM	1	49	21.71	21.76	21.69			
20	16QAM	1	99	21.61	21.79	21.74	22	2	
20	16QAM	50	0	20.78	21.00	20.82			
20	16QAM	50	24	20.86	20.78	20.82			
20	16QAM	50	50	20.80	20.84	20.79	22	2	
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	24	0	
15	QPSK	1	37	22.66	22.60	22.68			
15	QPSK	1	74	22.47	22.64	22.52			
15	QPSK	36	0	21.73	21.90	21.75	23	1	
15	QPSK	36	20	21.78	21.80	21.78			
15	QPSK	36	39	21.67	21.71	21.76			
15	QPSK	75	0	21.70	21.95	21.79	23	1	
15	16QAM	1	0	21.67	21.72	21.67			
15	16QAM	1	37	21.62	21.72	21.62			
15	16QAM	1	74	21.59	21.76	21.70	22	2	
15	16QAM	36	0	20.72	20.97	20.81			
15	16QAM	36	20	20.79	20.75	20.80			
15	16QAM	36	39	20.75	20.81	20.74	22	2	
15	16QAM	75	0	20.68	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	24	0	
10	QPSK	1	25	22.62	22.60	22.64			
10	QPSK	1	49	22.42	22.65	22.52			
10	QPSK	25	0	21.70	21.91	21.77	23	1	
10	QPSK	25	12	21.86	21.78	21.80			
10	QPSK	25	25	21.81	21.74	21.73			
10	QPSK	50	0	21.78	21.93	21.80	23	1	
10	16QAM	1	0	21.71	21.72	21.69			
10	16QAM	1	25	21.65	21.67	21.61			
10	16QAM	1	49	21.55	21.76	21.71	22	2	
10	16QAM	25	0	20.70	20.98	20.72			
10	16QAM	25	12	20.85	20.75	20.75			
10	16QAM	25	25	20.72	20.78	20.74	22	2	
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	19.79			
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	24	0	
5	QPSK	1	12	22.61	22.65	22.64			
5	QPSK	1	24	22.43	22.67	22.55			
5	QPSK	12	0	21.71	21.94	21.73	23	1	
5	QPSK	12	7	21.87	21.78	21.75			
5	QPSK	12	13	21.61	21.71	21.75			
5	QPSK	25	0	21.71	21.89	21.74	23	1	
5	16QAM	1	0	21.67	21.73	21.67			
5	16QAM	1	12	21.61	21.68	21.58			
5	16QAM	1	24	21.60	21.72	21.68	23	1	
5	16QAM	12	0	20.70	20.95	20.77			
5	16QAM	12	7	20.79	20.69	20.77			
5	16QAM	12	13	20.77	20.74	20.77	22	2	
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				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1779.5			
3	QPSK	1	0	22.60	22.65	22.64	24	0	
3	QPSK	1	8	22.60	22.62	22.64			
3	QPSK	1	14	22.46	22.63	22.50			
3	QPSK	8	0	21.68	21.88	21.77	23	1	
3	QPSK	8	4	21.80	21.78	21.77			
3	QPSK	8	7	21.65	21.70	21.71			
3	QPSK	15	0	21.76	21.92	21.74	23	1	
3	16QAM	1	0	21.65	21.78	21.70			
3	16QAM	1	8	21.61	21.70	21.61			
3	16QAM	1	14	21.53	21.72	21.73	22	2	
3	16QAM	8	0	20.70	20.89	20.79			
3	16QAM	8	4	20.81	20.70	20.80			
3	16QAM	8	7	20.71	20.74	20.74	22	2	
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 <th>1745</th> <th>1779.3</th>	1745	1779.3			
1.4	QPSK	1	0	22.62	22.65	22.62	24	0	
1.4	QPSK	1	3	22.68	22.66	22.60			
1.4	QPSK	1	5	22.45	22.65	22.53			
1.4	QPSK	3	0	22.58	22.63	22.54	23	1	
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	1	21.43	21.63	21.64	22	2	
1.4	16QAM	3	3	20.70	20.76	20.67			
1.4	64QAM	1	0	20.91	20.93	20.88			
1.4	64QAM	1	3	20.82	20.98	20.82	22	2	
1.4	64QAM	3	0	20.75	20.80	20.79			
1.4	64QAM	3	0	20.83	20.87	20.82			
1.4	64QAM	3	1	20.76	20.89	20.79	22	2	
1.4	64QAM	3	3	20.65	20.76	20.73			
1.4	64QAM	6	0	19.69	19.73	19.66			



Band 7 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				20650	21100	21550	24	0
Frequency (MHz)				2010	2035	2060		
20	QPSK	1	0	22.84	23.02	22.93		
20	QPSK	1	49	22.82	22.94	22.84	23	1
20	QPSK	1	99	22.72	22.88	22.66		
20	QPSK	50	0	21.82	21.98	21.84		
20	QPSK	50	24	21.79	21.90	21.75	23	1
20	QPSK	50	50	21.79	21.79	21.68		
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				37650	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.78	22.98	22.81		
20	QPSK	1	49	22.74	22.77	22.72	24	0
20	QPSK	1	99	22.69	22.75	22.83		
20	QPSK	50	0	21.73	21.87	21.67		
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.		
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	
20	QPSK	1	49	22.61	22.72	22.78	22.79	22.62		0
20	QPSK	1	99	22.67	22.66	22.78	22.89	22.58		
20	QPSK	50	0	21.72	21.83	21.86	21.88	21.76	23	
20	QPSK	50	24	21.62	21.75	21.76	21.72	21.53		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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				130972	132322	132597					
Frequency (MHz)				1720	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	18.56	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	Tune-up limit (dBm)	MPR (dB)			
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	Tune-up limit (dBm)	MPR (dB)			
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	19.44					
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	18.48					
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	Tune-up limit (dBm)	MPR (dB)			
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	19.38	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	20.5	0			
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	Tune-up limit (dBm)	MPR (dB)			
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	0			
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	18.12	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	17.34	17.42	17.38					
3	64QAM	15	0	17.46	17.46	17.27					
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710.5	1745	1780.5					
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	19.25	19.38	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	19.32	19.36	20.5	0			
1.4	16QAM	6	0	18.18	18.44	18.28					
1.4	16QAM	6	1	18.00	17.94	17.89					
1.4	64QAM	1	3	19.02	18.05	17.81	19.5	1			
1.4	64QAM	1	5	17.79	17.89	17.78					
1.4	64QAM	1	7	18.02	18.05	17.96					
1.4	64QAM	3	0	19.03	18.12	17.84	19.5	1			
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			
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	0	14.79	14.83	14.88	16	0	
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	14.66	14.70	14.75			
20	QPSK	50	50	14.64	14.73	14.70	16	0	
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				38750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	13.49	13.49	13.62	13.45	13.60	14.5	0
20	QPSK	1	49	13.41	13.40	13.61	13.60	13.54		
20	QPSK	1	99	13.32	13.34	13.42	13.59	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	13.59	13.33		
20	QPSK	50	50	13.38	13.28	13.50	13.48	13.49	14.5	0
20	QPSK	100	0	13.33	13.46	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				38750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.25	16.21	16.56	16.29	16.41	17.5	0
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	17.5	0
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	42590	42990	17.5	0
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		
20	QPSK	50	24	15.75	15.88	15.77	17.5	0
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		Burst Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)		Turn-up Limit (dBm)
TX Channel		126	169	251		126	169	
Frequency (MHz)		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
GPRS 2 Tx slots		29.00	29.14	28.94	30.50	23.00	23.14	22.94
GPRS 3 Tx slots		27.20	27.36	27.35	28.50	22.94	23.12	23.09
GPRS 4 Tx slots		26.16	26.23	26.01	27.50	23.16	23.23	23.01
GSM1800 AnH0 EC13								
GSM1800		Burst Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)		Turn-up Limit (dBm)
TX Channel		512	661	810		512	661	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GPRS 1 Tx slot		22.56	22.60	22.55	23.50	13.56	13.60	13.55
GPRS 2 Tx slots		21.52	21.66	21.44	22.50	15.52	15.66	15.44
GPRS 3 Tx slots		19.43	19.53	19.32	20.50	15.17	15.27	15.06
GPRS 4 Tx slots		18.35	18.37	18.15	19.50	15.35	15.37	15.15
WCDMA II AnH0 EC13								
Band		WCDMA II			Turn-up Limit (dBm)	WCDMA V		Turn-up Limit (dBm)
TX Channel		9262	9400	9538		4152	4162	
Rx Channel		9692	9900	9936	4307	4407 <td>4458<td></td></td>	4458 <td></td>	
Frequency (MHz)		1852.4	1880	1907.6	826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	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 Int. (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			
20	QPSK	1	99	15.23	15.29	15.29			
20	QPSK	50	0	15.13	15.20	15.20			
20	QPSK	50	24	15.09	15.11	15.18			
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 Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.68	22.86	22.73			
10	QPSK	1	25	22.73	22.74	22.68			
10	QPSK	1	49	22.87	22.88	22.83			
10	QPSK	25	0	21.82	21.94	21.90			
10	QPSK	25	12	21.85	21.83	21.84			
10	QPSK	25	25	21.77	21.74	21.79			
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 Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.69	22.82	22.78			
15	QPSK	1	37	22.81	22.76	22.68			
15	QPSK	1	74	22.83	22.80	22.68			
15	QPSK	36	0	21.84	22.07	21.90			
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	21.95			

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 Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.22	17.30	17.14			
20	QPSK	1	49	17.12	17.19	17.23			
20	QPSK	1	99	17.29	17.13	17.16			
20	QPSK	50	0	17.18	17.28	17.15			
20	QPSK	50	24	17.15	17.14	17.01			
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	17.12	17.12			
20	16QAM	1	49	17.11	17.13	17.23			
20	16QAM	1	99	17.13	17.15	17.11			
20	16QAM	50	0	17.12	17.13	17.12			
20	16QAM	50	24	17.22	17.29	17.14			
20	16QAM	50	50	17.15	17.23	17.13			
20	16QAM	100	0	17.15	17.23	17.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.11	17.25	17.06			
15	QPSK	1	37	17.02	17.11	17.21			
15	QPSK	1	74	17.10	17.08	17.13			
15	QPSK	36	0	17.08	17.17	17.14			
15	QPSK	36	20	17.00	17.10	16.99			
15	QPSK	36	39	17.05	17.11	17.07			
15	QPSK	75	0	17.06	17.17	17.07			
15	16QAM	1	0	17.05	17.03	17.06			
15	16QAM	1	37	17.05	17.09	17.15			
15	16QAM	1	74	17.07	17.20	17.03			
15	16QAM	36	0	17.10	17.10	16.99			
15	16QAM	36	20	17.12	17.14	17.01			
15	16QAM	36	39	17.05	17.11	17.07			
15	16QAM	75	0	17.06	17.17	17.07			
15	16QAM	1	0	17.06	17.05	17.04			
15	16QAM	1	37	17.15	17.15	17.19			
15	16QAM	1	74	17.11	17.17	17.10			
15	16QAM	36	0	17.05	17.07	17.03			
15	16QAM	36	20	17.13	17.20	17.06			
15	16QAM	36	39	17.12	17.16	17.02			
15	16QAM	75	0	17.11	17.16	17.05			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.17	17.22	17.11			
10	QPSK	1	25	17.04	17.13	17.18			
10	QPSK	1	49	17.14	17.08	17.10			
10	QPSK	25	0	17.12	17.25	17.07			
10	QPSK	25	12	17.10	17.06	16.95			
10	QPSK	25	25	17.05	17.10	17.09			
10	QPSK	50	0	17.07	17.16	17.09			
10	16QAM	1	0	17.15	17.04	17.10			
10	16QAM	1	25	17.05	17.15	17.10			
10	16QAM	1	49	17.05	17.20	17.04			
10	16QAM	25	0	17.07	17.08	17.02			
10	16QAM	25	12	17.03	17.17	16.98			
10	16QAM	25	25	17.12	17.21	17.05			
10	16QAM	50	0	17.11	17.17	17.05			
10	16QAM	1	0	17.06	17.06	17.06			
10	16QAM	1	25	17.11	17.17	17.16			
10	16QAM	1	49	17.12	17.20	17.13			
10	16QAM	25	0	17.05	17.08	17.05			
10	16QAM	25	12	17.18	17.18	17.06			
10	16QAM	25	25	17.10	17.18	17.03			
10	16QAM	50	0	17.07	17.20	17.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.10	17.22	17.06			
5	QPSK	1	15	17.02	17.12	17.17			
5	QPSK	1	24	17.11	17.11	17.12			
5	QPSK	12	0	17.15	17.19	17.11			
5	QPSK	12	7	17.07	17.03	16.95			
5	QPSK	12	13	17.10	17.17	17.12			
5	QPSK	25	0	17.09	17.16	17.16			
5	16QAM	1	0	17.11	17.11	17.07			
5	16QAM	1	12	17.08	17.15	17.17			
5	16QAM	1	24	17.05	17.13	17.06			
5	16QAM	12	0	17.07	17.07	17.10			
5	16QAM	12	7	17.04	17.09	16.96			
5	16QAM	12	13	17.05	17.21	17.05			
5	16QAM	25	0	17.11	17.15	17.02			
5	16QAM	1	0	17.04	17.09	17.04			
5	16QAM	1	0	17.04	17.14	17.05			
5	16QAM	1	24	17.15	17.23	17.09			
5	16QAM	12	0	17.05	17.14	17.05			
5	16QAM	12	7	17.14	17.24	17.07			
5	16QAM	12	13	17.13	17.21	17.05			
5	16QAM	25	0	17.13	17.21	17.04			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.15	17.22	17.10			
3	QPSK	1	8	17.10	17.16	17.16			
3	QPSK	1	16	17.15	17.11	17.13			
3	QPSK	8	0	17.06	17.25	17.10			
3	QPSK	8	4	17.06	17.11	16.95			
3	QPSK	8	7	17.14	17.12	17.10			
3	QPSK	16	0	17.01	17.12	17.10			
3	16QAM	1	8	17.10	17.08	17.02			
3	16QAM	1	8	17.08	17.15	17.17			
3	16QAM	1	14	17.05	17.17	17.01			
3	16QAM	8	0	17.03	17.04	17.10			
3	16QAM	8	4	17.03	17.11	16.90			
3	16QAM	8	7	17.13	17.19	17.11			
3	16QAM	16	0	17.00	17.19	16.99			
3	16QAM	1	0	17.03	17.09	17.03			
3	16QAM	1	8	17.13	17.17	17.22			
3	16QAM	14	0	17.11	17.16	17.05			
3	16QAM	8	0	17.03	17.06	17.02			
3	16QAM	8	4	17.12	17.25	16.99			
3	16QAM	8	7	17.14	17.17	17.08			
3	16QAM	16	0	17.14	17.19	17.04			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.18	17.29	17.04			
1.4	QPSK	1	3	17.06	17.12	17.20			
1.4	QPSK	3	0	17.15	17.16	17.08			
1.4	QPSK	3	1	17.11	17.11	16.85			
1.4	QPSK	3	3	17.06	17.15	17.12			
1.4	QPSK	6	0	17.06	17.16	17.13			
1.4	QPSK	6	1	17.06	17.16	17.03			
1.4	16QAM	1	0	17.08	17.08	17.15			
1.4	16QAM	1	3	17.04	17.15	17.07			
1.4	16QAM	3	0	17.03	17.13	16.97			
1.4	16QAM	3	3	17.13	17.21	17.09			
1.4	16QAM	3	1	17.11	17.16	17.10			
1.4	16QAM	3	3	17.06	17.08	17.06			
1.4	16QAM	6	0	17.03	17.07	17.00			
1.4	16QAM	3	1	17.11	17.20	16.99			
1.4	16QAM	3	3	17.13	17.21	17.07			
1.4	16QAM	6	0	17.08	17.13	17.07			



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	19	0
Frequency (MHz)				2010	2035	2060		
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	19	0
20	QPSK	50	50	17.83	17.97	17.79		
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			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.51	18.67	18.55	20	0	
20	QPSK	1	49	18.44	18.57	18.48			
20	QPSK	1	99	18.48	18.45	18.45			
20	QPSK	50	0	18.42	18.50	18.43	20	0	
20	QPSK	50	24	18.38	18.41	18.48			
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		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.79	18.78	18.90	18.81	18.88	20	0
20	QPSK	1	49	18.58	18.69	18.72	18.59	18.77		
20	QPSK	1	99	18.60	18.71	18.57	18.70	18.62		
20	QPSK	50	0	18.80	18.73	18.89	18.71	18.66	20	0
20	QPSK	50	24	18.67	18.67	18.78	18.75	18.60		
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	Channel	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					130972	132322	132597			
Frequency (MHz)					1720	1745	1770			
20	QPSK	1	0		19.91	20.02	19.91			
20	QPSK	1	49		19.95	19.98	19.84	21	0	
20	QPSK	1	99		19.80	19.95	19.74			
20	QPSK	50	0		19.58	19.64	19.56			
20	QPSK	50	24		19.53	19.54	19.48	20.5	0.5	
20	QPSK	50	50		19.48	19.54	19.45			
20	QPSK	100	0		19.53	19.61	19.51			
20	16QAM	1	0		19.41	19.43	19.38			
20	16QAM	1	49		19.37	19.42	19.24	20.5	0.5	
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	1.5	
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	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			
15	QPSK	1	37		19.91	19.94	19.76	21	0	
15	QPSK	1	74		19.77	19.92	19.73			
15	QPSK	36	0		19.47	19.60	19.47			
15	QPSK	36	20		19.49	19.47	19.37	20.5	0.5	
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	20.5	0.5	
15	16QAM	1	37		19.30	19.40	19.21			
15	16QAM	1	74		19.22	19.37	19.24			
15	16QAM	36	0		18.54	18.58	18.60	19.5	1.5	
15	16QAM	36	20		18.41	18.57	18.45			
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	19.5	1.5	
15	64QAM	1	37		18.24	18.24	18.20			
15	64QAM	1	74		18.04	18.35	18.23			
15	64QAM	36	0		17.52	17.57	17.38	18.5	2.5	
15	64QAM	36	20		17.52	17.59	17.45			
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			
10	QPSK	1	25		19.84	19.97	19.76	21	0	
10	QPSK	1	49		19.73	19.84	19.71			
10	QPSK	25	0		19.48	19.63	19.50			
10	QPSK	25	12		19.50	19.51	19.41	20.5	0.5	
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	20.5	0.5	
10	16QAM	1	25		19.35	19.40	19.13			
10	16QAM	1	49		19.22	19.30	19.28			
10	16QAM	25	0		18.54	18.55	18.60	19.5	1.5	
10	16QAM	25	12		18.46	18.60	18.43			
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	19.5	1.5	
10	64QAM	1	25		18.24	18.25	18.25			
10	64QAM	1	49		18.06	18.32	18.23			
10	64QAM	25	0		17.57	17.53	17.35	18.5	2.5	
10	64QAM	25	12		17.45	17.51	17.50			
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			
5	QPSK	1	12		19.87	19.86	19.75	21	0	
5	QPSK	1	24		19.74	19.91	19.65			
5	QPSK	12	0		19.52	19.60	19.53			
5	QPSK	12	7		19.50	19.46	19.44	20.5	0.5	
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	20.5	0.5	
5	16QAM	1	12		19.31	19.39	19.20			
5	16QAM	1	24		19.21	19.34	19.25			
5	16QAM	12	0		18.53	18.52	18.60	19.5	1.5	
5	16QAM	12	7		18.42	18.53	18.38			
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	19.5	1.5	
5	64QAM	1	12		18.26	18.28	18.23			
5	64QAM	1	24		18.07	18.37	18.26			
5	64QAM	12	0		17.55	17.58	17.38	18.5	2.5	
5	64QAM	12	7		17.47	17.58	17.49			
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			
3	QPSK	1	8		19.93	19.91	19.74	21	0	
3	QPSK	1	14		19.74	19.89	19.64			
3	QPSK	8	0		19.49	19.61	19.50			
3	QPSK	8	4		19.45	19.47	19.40	20.5	0.5	
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	20.5	0.5	
3	16QAM	1	8		19.27	19.31	19.16			
3	16QAM	1	14		19.24	19.32	19.27			
3	16QAM	8	0		18.51	18.56	18.56	19.5	1.5	
3	16QAM	8	4		18.41	18.61	18.47			
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	19.5	1.5	
3	64QAM	1	8		18.29	18.32	18.23			
3	64QAM	1	14		18.06	18.38	18.25			
3	64QAM	8	0		17.55	17.56	17.36	18.5	2.5	
3	64QAM	8	4		17.46	17.60	17.44			
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			
1.4	QPSK	1	3		19.94	19.87	19.76	21	0	
1.4	QPSK	1	5		19.76	19.91	19.71			
1.4	QPSK	3	0		19.84	19.92	19.81			
1.4	QPSK	3	1		19.86	19.95	19.79			
1.4	QPSK	3	3		19.78	19.90	19.66	20.5	0.5	
1.4	QPSK	6	0		19.37	19.30	19.32			
1.4	16QAM	1	0		19.37	19.27	19.27			
1.4	16QAM	1	3		19.31	19.34	19.16	20.5	0.5	
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	1.5	
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			
1.4	64QAM	3	3		17.97	18.17	18.08	18.5	2.5	
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			
Frequency (MHz)				2580	2585	2610	17	0	
20	QPSK	1	0	15.78	15.80	15.61			
20	QPSK	1	49	15.69	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	17	0	
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				38750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680	15.5	0
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	15.5	0
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.	Turn-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.35	17.42	17.61	17.32	17.45	18.5	0
20	QPSK	1	49	17.43	17.36	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	18.5	0
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	42590	42990	17.5	0
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		
20	QPSK	50	24	15.76	15.87	15.74	17.5	0
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				1560	1580	1590			
Frequency (MHz)				1560	1580	1590			
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	17	0	
20	QPSK	50	24	15.63	15.76	15.77			
20	QPSK	50	50	15.75	15.66	15.67			
20	QPSK	100	0	15.69	15.76	15.72			

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				2045	2055	2060			
Frequency (MHz)				839	839.5	844			
10	QPSK	1	0	22.68	22.86	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				2075	2085	2095			
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 EC16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.18	20.20	20.18	21.5	0	
20	QPSK	1	49	20.00	20.11	20.13			
20	QPSK	1	99	19.90	20.09	19.91			
20	QPSK	50	0	20.03	20.18	20.10	21.5	0	
20	QPSK	50	24	19.92	20.06	19.94			
20	QPSK	50	50	19.91	20.03	19.92			
20	QPSK	100	0	20.11	20.15	20.02	21.5	0	
20	16QAM	1	0	20.00	20.10	19.97			
20	16QAM	1	49	20.07	19.95	20.11			
20	16QAM	1	99	20.02	19.96	19.98	21.5	0	
20	16QAM	50	0	19.98	20.12	19.90			
20	16QAM	50	24	20.02	19.97	19.89			
20	16QAM	50	50	19.99	19.86	20.05	21	0.5	
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									
Frequency (MHz)									
15	QPSK	1	0	20.17	20.13	20.15	21.5	0	
15	QPSK	1	37	19.95	20.05	20.11			
15	QPSK	1	74	19.80	20.05	19.90			
15	QPSK	36	0	20.02	20.12	20.01	21.5	0	
15	QPSK	36	20	19.86	19.98	19.88			
15	QPSK	36	39	19.84	19.96	19.91			
15	QPSK	75	0	20.06	20.06	19.99	21.5	0	
15	16QAM	1	0	19.96	20.05	19.89			
15	16QAM	1	37	20.02	19.93	20.01			
15	16QAM	1	74	19.99	19.90	19.92	21.5	0	
15	16QAM	36	0	19.88	20.04	19.84			
15	16QAM	36	20	19.92	19.90	19.87			
15	16QAM	36	39	19.96	19.80	19.99	21.5	0	
15	16QAM	75	0	19.85	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									
Frequency (MHz)									
10	QPSK	1	0	20.16	20.11	20.11	21.5	0	
10	QPSK	1	25	19.97	20.01	20.07			
10	QPSK	1	49	19.84	20.05	19.88			
10	QPSK	25	0	19.95	20.09	20.06	21.5	0	
10	QPSK	25	12	19.87	19.96	19.91			
10	QPSK	25	25	19.88	20.01	19.87			
10	QPSK	50	0	20.05	20.13	19.91	21.5	0	
10	16QAM	1	0	19.90	20.06	19.93			
10	16QAM	1	25	20.04	19.89	20.00			
10	16QAM	1	49	19.96	19.93	19.87	21.5	0	
10	16QAM	25	0	19.94	20.02	19.85			
10	16QAM	25	12	19.96	19.87	19.82			
10	16QAM	25	25	19.93	19.83	19.97	21.5	0	
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									
Frequency (MHz)									
5	QPSK	1	0	20.12	20.11	20.15	21.5	0	
5	QPSK	1	12	19.99	20.06	20.06			
5	QPSK	1	24	19.83	20.04	19.86			
5	QPSK	12	0	19.98	20.10	20.01	21.5	0	
5	QPSK	12	7	19.87	19.99	19.92			
5	QPSK	12	13	19.83	19.99	19.84			
5	QPSK	25	0	20.02	20.13	19.97	21.5	0	
5	16QAM	1	0	19.97	20.05	19.91			
5	16QAM	1	12	20.00	19.92	20.09			
5	16QAM	1	24	19.95	19.95	19.95	21.5	0	
5	16QAM	12	0	19.94	20.09	19.88			
5	16QAM	12	7	19.99	19.86	19.83			
5	16QAM	12	13	19.90	19.83	20.03	21.5	0	
5	16QAM	25	0	19.87	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									
Frequency (MHz)									
3	QPSK	1	0	20.13	20.19	20.13	21.5	0	
3	QPSK	1	8	19.90	20.04	20.06			
3	QPSK	1	14	19.83	20.04	19.87			
3	QPSK	8	0	19.95	20.11	20.05	21.5	0	
3	QPSK	8	4	19.89	20.02	19.84			
3	QPSK	8	7	19.81	19.95	19.83			
3	QPSK	15	0	20.04	20.07	19.95	21.5	0	
3	16QAM	1	0	19.97	20.05	19.92			
3	16QAM	1	8	19.98	19.89	20.01			
3	16QAM	1	14	19.97	19.90	19.90	21.5	0	
3	16QAM	8	0	19.96	20.03	19.89			
3	16QAM	8	4	19.98	19.94	19.79			
3	16QAM	8	7	19.90	19.78	20.04	21.5	0	
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									
Frequency (MHz)									
1.4	QPSK	1	0	20.10	20.09	20.07	21.5	0	
1.4	QPSK	1	3	19.90	20.08	20.11			
1.4	QPSK	1	5	19.85	20.00	19.87			
1.4	QPSK	3	0	19.92	20.12	20.04	21.5	0	
1.4	QPSK	3	1	19.89	20.03	19.90			
1.4	QPSK	3	3	19.89	19.95	19.89			
1.4	QPSK	6	0	20.09	20.06	19.93	21.5	0	
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	19.83			
1.4	16QAM	3	0	19.91	20.07	19.85			
1.4	16QAM	3	1	19.88	19.89	19.81	21.5	0	
1.4	16QAM	3	3	19.94	19.76	19.04			
1.4	16QAM	6	0	19.84	20.07	19.91			
1.4	64QAM	1	0	19.83	19.96	19.84	21.5	0	
1.4	64QAM	1	3	19.95	20.04	19.92			
1.4	64QAM	1	5	19.95	20.02	19.80			
1.4	64QAM	3	0	19.81	19.94	19.71	21.5	0	
1.4	64QAM	3	1	19.90	19.95	19.86			
1.4	64QAM	3	3	19.87	19.95	19.65			
1.4	64QAM	6	0	19.11	19.12	19.07	21	0.5	



Band 7 Ant1 EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21550	20	0
Frequency (MHz)				2010	2035	2060		
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	18.89	18.93	18.82	20	0
20	QPSK	50	50	18.87	18.94	18.72		
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			
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	19.60			
20	QPSK	50	0	19.63	19.66	19.65	21	0	
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		
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	19.89	19.87	19.77		
20	QPSK	50	0	19.80	19.88	20.02	19.90	19.83	21	0
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				130972	132322	132572					
Frequency (MHz)				1715	1745	1770					
20	QPSK	1	0	20.38	20.50	20.46	21.5	0			
20	QPSK	1	49	20.47	20.47	20.37					
20	QPSK	1	99	20.30	20.45	20.25					
20	QPSK	50	0	19.58	19.64	19.56	20.5	1			
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	19.66	19.51	20.5	1			
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	2			
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	18.5	3			
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	17.58	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	20.29	20.46	20.45	21.5	0			
15	QPSK	1	37	20.39	20.38	20.32					
15	QPSK	1	74	20.26	20.44	20.16					
15	QPSK	36	0	19.47	19.60	19.47	20.5	1			
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	1			
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	2			
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	2			
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	18.5	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	20.34	20.40	20.40	21.5	0			
10	QPSK	1	25	20.41	20.45	20.33					
10	QPSK	1	49	20.29	20.38	20.22					
10	QPSK	25	0	19.48	19.63	19.50	20.5	1			
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	1			
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	2			
10	16QAM	25	0	18.54	18.55	18.60					
10	16QAM	25	12	18.46	18.60	18.43					
10	16QAM	25	25	18.43	18.51	18.51	19.5	2			
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	18.5	3			
10	64QAM	1	49	18.06	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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	20.34	20.43	20.38	21.5	0			
5	QPSK	1	12	20.38	20.38	20.33					
5	QPSK	1	24	20.19	20.34	20.21					
5	QPSK	12	0	19.52	19.60	19.53	20.5	1			
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	1			
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	20.5	1			
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	2			
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	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	20.29	20.44	20.39	21.5	0			
3	QPSK	1	8	20.40	20.37	20.29					
3	QPSK	1	14	20.23	20.35	20.17					
3	QPSK	8	0	19.49	19.61	19.50	20.5	1			
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	1			
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	20.5	1			
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	2			
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	1	14	18.08	18.36	18.25					
3	64QAM	8	0	17.55	17.57	17.38	18.5	3			
3	64QAM	8	4	17.46	17.60	17.44					
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	1745	1779.3					
1.4	QPSK	1	0	20.39	20.49	20.32	21.5	0			
1.4	QPSK	1	3	20.42	20.42	20.32					
1.4	QPSK	1	5	20.13	20.25	20.11					
1.4	QPSK	3	0	20.42	20.40	20.34	20.5	1			
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					
1.4	16QAM	1	5	19.37	19.55	19.29	20.5	1			
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	19.16	19.06	19.5	2			
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	2			
1.4	64QAM	1	5	17.84	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	3			
1.4	64QAM	3	3	17.87	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			
Frequency (MHz)									
20	QPSK	1	0	20.37	20.41	20.37	21.5	0	
20	QPSK	1	49	20.16	20.36	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	20.30	20.27			
20	QPSK	50	50	20.15	20.25	20.19	21.5	0	
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		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680	20	0
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		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680	23	0
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	21.78	21.65		
20	QPSK	50	0	21.89	21.77	21.92	21.70	21.81		
20	QPSK	50	24	21.98	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	21.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.76	19.81	19.70	21.5	0
20	QPSK	1	49	19.61	19.64	19.56		
20	QPSK	1	99	19.85	19.62	19.60		
20	QPSK	50	0	19.68	19.79	19.65		
20	QPSK	50	24	19.62	19.64	19.55	21.5	0
20	QPSK	50	50	19.61	19.51	19.57		
20	QPSK	100	0	19.54	19.73	19.69		

Reduced Power Mode for Main PA EC17

GSM850 AnH EC17										
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		128	169	251		128	169	251		
Frequency (MHz)		854.2	858.4	868.8	Limit (dBm)	854.2	858.4	868.8	Limit (dBm)	
GSM 1 Tx slot		29.15	29.16	29.05		30.00	20.15	20.16		20.05
GPRS 1 Tx slot		29.11	29.11	28.98	30.00	20.11	20.11	19.98	21.00	
GPRS 2 Tx slot		28.01	28.12	28.05	29.50	22.01	22.12	22.05	23.50	
GPRS 3 Tx slot		29.23	28.36	28.36	27.50	21.97	22.10	22.10	23.24	
GPRS 4 Tx slot		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 slot		22.18	22.06	22.30	23.00	16.18	16.06	16.30	17.00	
EDGE 3 Tx slot		19.83	19.92	19.86	21.00	15.57	15.66	15.60	16.74	
EDGE 4 Tx slot		18.32	18.47	18.53	19.50	15.32	15.47	15.53	16.50	
GSM1900 AnH EC17										
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		512	661	810		512	661	810		
Frequency (MHz)		1500.2	1500	1500.8	Limit (dBm)	1500.2	1500	1500.8	Limit (dBm)	
GPRS 1 Tx slot		22.56	22.64	22.48		23.50	13.56	13.64		13.48
GPRS 2 Tx slot		21.54	21.69	21.48	22.50	15.54	15.69	15.48	16.50	
GPRS 3 Tx slot		19.49	19.53	19.34	20.50	15.23	15.27	15.06	16.24	
GPRS 4 Tx slot		18.31	18.42	18.15	19.50	15.31	15.42	15.15	16.50	
WCDMA S AnH EC17										
Band		WCDMA S			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		5262	8400	9538		4132	4182	4233		
Rx Channel		8962	9800	9938	Limit (dBm)	4357	4407	4458	Limit (dBm)	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP R4 99		RNC 12 2Nops	14.10	14.16	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. 18000	Power Middle Ch / Freq. 18000	Power High Ch / Freq. 18000	Tune-up (mHz)
Channel							
Frequency (MHz)							
1800 1800 1800							
20	QPSK	1	0	13.36	13.39	13.41	15
20	QPSK	1	40	13.36	13.39	13.27	
20	QPSK	1	80	13.34	13.39	13.27	
20	QPSK	50	0	13.42	13.43	13.38	15
20	QPSK	50	24	13.36	13.48	13.35	
20	QPSK	50	50	13.26	13.20	13.24	

Band 5 Ant0 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 20400	Power Middle Ch / Freq. 20400	Power High Ch / Freq. 20400	Tune-up (mHz)
Channel							
Frequency (MHz)							
20400 20400 20400							
10	QPSK	1	0	22.88	22.88	22.73	24
10	QPSK	1	36	22.72	22.71	22.68	
10	QPSK	1	60	22.87	22.58	22.63	
10	QPSK	20	0	21.62	21.60	21.60	23
10	QPSK	20	12	21.85	21.83	21.84	
10	QPSK	20	30	21.77	21.74	21.70	

Band 26 Ant0 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 26400	Power Middle Ch / Freq. 26400	Power High Ch / Freq. 26400	Tune-up (mHz)
Channel							
Frequency (MHz)							
26400 26400 26400							
10	QPSK	1	0	22.88	22.88	22.78	24
10	QPSK	1	36	22.81	22.76	22.66	
10	QPSK	1	74	22.03	22.60	22.68	
10	QPSK	36	0	21.64	22.07	21.93	23
10	QPSK	36	30	21.89	21.89	21.79	
10	QPSK	36	50	21.81	21.81	21.77	

Band 66 Ant0 ECI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 18000	Power Middle Ch / Freq. 18000	Power High Ch / Freq. 18000	Tune-up (mHz)	Ant0 (dB)	Ant1 (dB)	
Channel										
Frequency (MHz)										
1750 1745 1750										
20	QPSK	1	0	16.38	16.38	16.21	17.5			
20	QPSK	1	40	16.01	16.05	16.10				
20	QPSK	1	80	15.91	16.10	16.04				
20	QPSK	50	0	15.92	15.92	15.92	17.5			
20	QPSK	50	24	16.11	16.06	15.98				
20	QPSK	50	50	16.06	15.96	16.04				
20	QPSK	1	0	16.07	16.07	16.07	17.5			
20	16QAM	1	0	15.89	16.20	16.04				
20	16QAM	1	40	16.02	16.22	16.02				
20	16QAM	1	80	16.07	15.95	15.97	17.5			
20	16QAM	50	0	16.05	16.10	15.97				
20	16QAM	50	24	16.07	16.10	16.05				
20	16QAM	50	50	15.94	16.02	15.98	17.5			
20	16QAM	100	0	16.00	16.12	15.91				
20	16QAM	1	40	15.96	16.17	16.03				
20	16QAM	1	80	16.01	16.08	15.95	17.5			
20	16QAM	50	0	16.01	16.14	16.03				
20	16QAM	50	24	15.93	15.96	15.98				
20	16QAM	50	50	15.97	16.09	16.00	17.5			
20	16QAM	100	0	16.01	16.08	16.10				
Channel										
150047 150047 150047										
10	QPSK	1	0	17.72	17.45	17.73		17.5		
10	QPSK	1	37	17.72	17.45	17.73				
10	QPSK	1	74	15.85	16.02	15.99				
10	QPSK	36	0	16.02	16.16	16.02	17.5			
10	QPSK	36	20	16.01	16.02	15.90				
10	QPSK	36	50	16.03	15.93	15.98				
10	QPSK	75	0	16.03	16.10	15.98	17.5			
10	16QAM	1	37	15.96	16.17	16.05				
10	16QAM	1	74	16.01	15.88	15.81				
10	16QAM	36	0	16.03	16.02	15.89	17.5			
10	16QAM	36	20	16.01	16.11	15.93				
10	16QAM	36	50	15.88	15.96	15.95				
10	16QAM	75	0	15.94	16.10	15.86	17.5			
10	16QAM	1	0	15.77	15.93	15.80				
10	16QAM	1	37	15.90	16.11	16.00				
10	16QAM	1	74	16.00	16.07	16.00	17.5			
10	16QAM	36	0	15.97	16.11	15.95				
10	16QAM	36	20	15.89	15.87	15.83				
10	16QAM	36	50	15.99	16.07	16.00	17.5			
10	16QAM	75	0	15.98	16.02	15.91				
10	16QAM	75	0	15.98	16.02	15.91				
Channel										
150022 150022 150022										
10	QPSK	1	0	16.17	16.16	16.13	17.5			
10	QPSK	1	25	15.97	15.98	16.17				
10	QPSK	1	40	16.03	16.16	16.00				
10	QPSK	25	0	16.02	16.13	16.08	17.5			
10	QPSK	25	12	16.06	16.03	15.95				
10	QPSK	25	25	16.01	16.09	16.08				
10	16QAM	1	0	15.81	16.16	16.00	17.5			
10	16QAM	1	24	15.98	16.21	15.90				
10	16QAM	1	40	15.97	15.88	15.85				
10	16QAM	1	12	15.94	16.03	15.91	17.5			
10	16QAM	25	12	15.90	16.11	15.98				
10	16QAM	25	25	15.85	15.98	15.92				
10	16QAM	50	0	16.06	16.07	16.06	17.5			
10	16QAM	1	0	15.76	15.96	15.88				
10	16QAM	1	25	15.94	16.09	16.01				
10	16QAM	1	40	15.95	15.98	15.89	17.5			
10	16QAM	25	0	16.03	16.05	15.99				
10	16QAM	25	12	15.88	15.95	15.89				
10	16QAM	25	25	15.99	15.99	16.05	17.5			
10	16QAM	50	0	15.99	16.07	16.06				
10	16QAM	50	0	15.99	16.07	16.06				
Channel										
17712.5 1746 1777.5										
0	QPSK	1	0	16.16	16.16	16.17	17.5			
0	QPSK	1	12	15.82	16.01	16.12				
0	QPSK	1	24	15.81	16.03	15.93				
0	QPSK	12	0	15.99	16.21	16.13	17.5			
0	QPSK	12	0	15.99	16.21	16.13				
0	QPSK	12	13	15.98	15.91	15.91				
0	QPSK	25	0	16.02	16.16	16.05	17.5			
0	16QAM	1	0	15.78	16.19	16.06				
0	16QAM	1	12	15.96	16.13	15.95				
0	16QAM	1	24	15.96	15.87	15.83	17.5			
0	16QAM	12	0	16.02	16.04	16.04				
0	16QAM	12	7	15.88	16.15	16.02				
0	16QAM	12	13	15.82	15.95	15.98	17.5			
0	16QAM	1	0	15.93	16.06	15.92				
0	16QAM	1	24	16.00	16.06	15.94				
0	16QAM	1	12	15.93	16.06	15.92	17.5			
0	16QAM	12	0	16.00	16.08	15.99				
0	16QAM	12	7	15.96	16.05	15.98				
0	16QAM	12	13	15.90	15.91	15.91	17.5			
0	16QAM	25	0	15.91	16.03	16.00				
0	16QAM	25	0	15.91	16.03	16.00				
Channel										
17711.5 1746 1776.5										
3	QPSK	1	0	16.15	16.17	16.14	17.5			
3	QPSK	1	8	15.98	15.96	16.10				
3	QPSK	1	14	15.82	16.08	15.95				
3	QPSK	8	0	16.05	16.16	16.13	17.5			
3	QPSK	8	4	16.03	16.02	15.90				
3	QPSK	8	7	15.96	15.88	15.95				
3	16QAM	1	0	15.82	16.13	16.02	17.5			
3	16QAM	1	8	15.92	16.12	16.01				
3	16QAM	1	14	16.08	15.90	16.01				
3	16QAM	8	0	15.94	16.06	15.93	17.5			
3	16QAM	8	4	15.93	16.12	15.89				
3	16QAM	8	7	15.91	16.01	15.96				
3	16QAM	15	0	15.93	16.07	15.84	17.5			
3	16QAM	1	0	15.77	15.92	15.87				
3	16QAM	1	8	15.94	16.00	16.00				
3	16QAM	1	14	15.93	16.08	15.91	17.5			
3	16QAM	8	0	16.01	16.08	15.94				
3	16QAM	8	4	15.97	15.92	15.95				
3	16QAM	8	7	15.89	16.02	16.07	17.5			
3	16QAM	15	0	15.97	16.06	16.06				
3	16QAM	15	0	15.97	16.06	16.06				
Channel										
17712.7 1746 1776.3										
1.4	QPSK	1	0	16.02	16.13	16.07	17.5			
1.4	QPSK	1	3	15.88	15.94	16.07				
1.4	QPSK	1	5	15.85	16.02	15.95				
1.4	QPSK	3	0	15.96	16.02	15.99	17.5			
1.4	QPSK	3	1	15.92	15.99	15.94				
1.4	QPSK	3	3	15.92	15.94	15.89				
1.4	QPSK	6	0	16.01	15.94	15.90	17.5			
1.4	16QAM	1	0	15.89	16.02	15.91				
1.4	16QAM	1	3	15.90	16.10	16.00	17.5			
1.4	16QAM	3	0	15.90	16.10	15.90				
1.4	16QAM	3	3	15.89	16.00	15.79				
1.4	16QAM	6	0	15.78	15.92	15.82	17.5			
1.4	16QAM	6	3	15.83	16.04	16.02				
1.4	16QAM	6	6	15.80	15.97	15.97				
1.4	16QAM	3	3	15.85	15.92	15.91	17.5			
1.4	16QAM	3	1	15.79	15.92	15.97				
1.4	16QAM	3	1	15.84	15.89	15.80				
1.4	16QAM	3	3	15.88	15.89	15.80	17.5			
1.4	16QAM	3	6	15.87	15.89	15.80				
1.4	16QAM	3	9	15.86	15.89	15.80				



Band 7 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				20650	21100	21550	19	0
Frequency (MHz)				2010	2035	2060		
20	QPSK	1	0	17.91	18.03	17.93		
20	QPSK	1	49	17.87	17.91	17.90	19	0
20	QPSK	1	99	17.78	17.94	17.94		
20	QPSK	50	0	17.95	18.00	17.91		
20	QPSK	50	24	17.87	17.91	17.95	19	0
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	18.58	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	18.75	18.60	18.64		

Band 66 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				130972	132922	132972				
Frequency (MHz)				1720	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	19.5	0		
20	QPSK	50	24	18.38	18.44	18.46				
20	QPSK	50	50	18.40	18.34	18.39				
20	QPSK	100	0	18.40	18.49	18.45	19.5	0		
20	16QAM	1	0	18.37	18.42	18.36				
20	16QAM	1	49	18.37	18.44	18.43				
20	16QAM	1	99	18.34	18.32	18.20	19.5	0		
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	18.36	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	19.5	0		
20	64QAM	1	99	18.22	18.39	18.24				
20	64QAM	50	0	17.55	17.68	17.40				
20	64QAM	50	24	17.50	17.58	17.49	18.5	1		
20	64QAM	50	50	17.51	17.52	17.52				
20	64QAM	100	0	17.57	17.60	17.48				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	18.45	18.47	18.41	19.5	0		
15	QPSK	1	37	18.26	18.40	18.36				
15	QPSK	1	74	18.34	18.33	18.23				
15	QPSK	36	0	18.37	18.43	18.44	19.5	0		
15	QPSK	36	20	18.37	18.37	18.36				
15	QPSK	36	39	18.36	18.29	18.31				
15	QPSK	75	0	18.31	18.43	18.37	19.5	0		
15	16QAM	1	0	18.31	18.38	18.32				
15	16QAM	1	37	18.30	18.38	18.42				
15	16QAM	1	74	18.26	18.28	18.19	19.5	0		
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	18.26	18.31				
15	64QAM	1	37	18.18	18.46	18.29	19.5	0		
15	64QAM	1	74	18.12	18.28	18.21				
15	64QAM	36	0	17.53	17.66	17.38				
15	64QAM	36	20	17.43	17.48	17.43	18.5	1		
15	64QAM	36	39	17.40	17.44	17.43				
15	64QAM	75	0	17.53	17.56	17.44				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
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	18.36	18.43	18.42	19.5	0		
10	QPSK	25	12	18.35	18.35	18.44				
10	QPSK	25	25	18.39	18.26	18.32				
10	QPSK	50	0	18.34	18.46	18.37	19.5	0		
10	16QAM	1	0	18.32	18.33	18.27				
10	16QAM	1	25	18.29	18.43	18.33				
10	16QAM	1	49	18.29	18.30	18.16	19.5	0		
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	19.5	0		
10	64QAM	1	49	18.13	18.30	18.23				
10	64QAM	25	0	17.49	17.65	17.34				
10	64QAM	25	12	17.39	17.54	17.46	18.5	1		
10	64QAM	25	25	17.46	17.50	17.47				
10	64QAM	50	0	17.52	17.56	17.38				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
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	18.26				
5	QPSK	12	0	18.43	18.46	18.45	19.5	0		
5	QPSK	12	7	18.29	18.33	18.40				
5	QPSK	12	13	18.37	18.27	18.37				
5	QPSK	25	0	18.29	18.46	18.42	19.5	0		
5	16QAM	1	0	18.29	18.40	18.35				
5	16QAM	1	12	18.33	18.34	18.40				
5	16QAM	1	24	18.30	18.26	18.15	19.5	0		
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	18.29	18.28				
5	64QAM	1	0	18.27	18.24	18.26				
5	64QAM	1	12	18.19	18.37	18.23	19.5	0		
5	64QAM	1	24	18.18	18.35	18.20				
5	64QAM	12	0	17.45	17.59	17.30				
5	64QAM	12	7	17.40	17.55	17.46	18.5	1		
5	64QAM	12	13	17.43	17.45	17.42				
5	64QAM	25	0	17.51	17.51	17.42				
Channel				131587	132322	132657	Tune-up limit (dBm)	MPR (dB)		
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	19.5	0		
3	QPSK	8	4	18.35	18.37	18.39				
3	QPSK	8	7	18.33	18.25	18.35				
3	QPSK	15	0	18.31	18.41	18.43	19.5	0		
3	16QAM	1	0	18.35	18.40	18.31				
3	16QAM	1	8	18.34	18.39	18.35				
3	16QAM	1	14	18.28	18.27	18.15	19.5	0		
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	19.5	0		
3	64QAM	1	8	18.12	18.39	18.21				
3	64QAM	1	14	18.12	18.33	18.23				
3	64QAM	8	0	17.47	17.63	17.31	18.5	1		
3	64QAM	8	4	17.47	17.56	17.40				
3	64QAM	8	7	17.45	17.45	17.42	18.5	1		
3	64QAM	15	0	17.46	17.56	17.37				
Channel				131979	132322	132665			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710 <th>1745</th> <th>1779.3</th> <th colspan="4"></th>	1745	1779.3				
1.4	QPSK	1	0	18.40	18.52	18.41	19.5	0		
1.4	QPSK	1	3	18.21	18.36	18.38				
1.4	QPSK	1	5	18.38	18.32	18.31				
1.4	QPSK	3	0	18.40	18.50	18.49	19.5	0		
1.4	QPSK	3	1	18.33	18.37	18.42				
1.4	QPSK	3	3	18.37	18.28	18.33				
1.4	QPSK	6	0	18.38	18.47	18.46	19.5	0		
1.4	16QAM	1	0	18.40	18.40	18.32				
1.4	16QAM	1	3	18.26	18.36	18.37				
1.4	16QAM	3	0	18.13	18.36	18.18	19.5	0		
1.4	16QAM	3	1	18.38	18.41	18.35				
1.4	16QAM	3	3	18.20	18.36	18.35				
1.4	16QAM	6	0	18.23	18.27	18.26	19.5	0		
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	18.63	18.18	19.5	0		
1.4	64QAM	3	0	17.44	17.63	17.38				
1.4	64QAM	3	1	17.48	17.47	17.48				
1.4	64QAM	3	3	17.45	17.45	17.49	18.5	1		
1.4	64QAM	6	0	17.50	17.51	17.38				



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	2585	2610	13	0	
20	QPSK	1	0	11.91	11.92	11.81			
20	QPSK	1	49	11.76	11.91	11.81			
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				38750	40185	40620	41055	41490		
Frequency (MHz)				2606	2549.5	2593	2636.5	2680	11.5	0
20	QPSK	1	0	10.54	10.64	10.72	10.68	10.57		
20	QPSK	1	49	10.56	10.48	10.60	10.62	10.59		
20	QPSK	1	99	10.52	10.50	10.65	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	10.44	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.	Turn-up limit (dbm)	MPR (db)
Channel				38750	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	14.5	0
20	QPSK	1	49	13.25	13.31	13.50	13.37	13.26		
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	13.23		
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	42590	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		
20	QPSK	50	24	14.09	14.25	14.21	16	0
20	QPSK	50	50	14.13	14.20	14.20		
20	QPSK	100	0	14.23	14.33	14.25		
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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	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	21.58			



Reduced Power Mode for Other PA EC12

Band 7 Ant4 NSA 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				20550	21100	21550			
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			
20	QPSK	50	24	13.04	13.19	13.22	14.5	0	
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. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21100	21550	17	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.94	16.00	15.89	17	0	
20	QPSK	1	49	15.40	15.81	15.87			
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	17	0	
20	QPSK	50	50	15.62	15.75	15.69			
20	QPSK	100	0	15.77	15.79	15.60			



Reduced Power Mode for Other PA ECI6

Band 7 Ant4 NSA ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21100	21550			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.90	18.02	18.01	19	0	
20	QPSK	1	49	17.36	17.73	17.89			
20	QPSK	1	99	17.60	17.85	17.56			
20	QPSK	50	0	17.68	17.99	17.72	19	0	
20	QPSK	50	24	17.58	17.78	17.59			
20	QPSK	50	50	17.57	17.64	17.74			
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. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2580			
20	QPSK	1	0	11.33	11.38	11.34	12.5	0	
20	QPSK	1	49	11.00	11.25	11.30			
20	QPSK	1	99	11.04	11.32	11.17			
20	QPSK	50	0	11.32	11.36	11.33	12.5	0	
20	QPSK	50	24	10.99	11.28	11.09			
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		23.0	1.0
25	QPSK	128	0		21.75			

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		
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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.84	22.89	22.75	24.0	0.0
50	QPSK	1	135	22.57	22.78	22.51		
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	23.0	1.0
50	QPSK	270	0	21.57	21.73	21.46		

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		
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	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	22.5	1.0
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	21.45	21.17	22.5	1.0
100	QPSK	135	138	20.01	20.43	20.10		
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		22.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.0	0.5
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94			
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		23.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		22.5	1.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74			
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80			

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		
100	QPSK	1	137	20.52	20.82	20.56	22.5	0.5
100	QPSK	1	271	19.69	19.72	19.65		
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		

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		
100	QPSK	1	137	22.44	22.65	22.53	22.5	2.0
100	QPSK	1	271	21.93	20.69	21.94		
100	QPSK	135	0	21.21	21.68	21.29		
100	QPSK	135	69	22.42	22.57	22.36	24.5	0.0
100	QPSK	135	138	21.31	21.52	21.32		
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		23.0	0.0
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			
100	QPSK	135	69		21.27		23.0	0.0
100	QPSK	135	138		21.11			
100	QPSK	270	0		21.13			

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		24.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		21.42			
100	QPSK	1	137		22.52		23.5	1.0
100	QPSK	1	271		21.41			
100	QPSK	135	0		21.17			
100	QPSK	135	69		22.48		23.5	1.0
100	QPSK	135	138		21.22			
100	QPSK	270	0		21.21			

n38 Main PA Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.77	22.90	22.77		
40	QPSK	1	53	22.71	22.71	22.72	23.0	1.0
40	QPSK	1	104	22.35	22.42	22.29		
40	QPSK	50	0	22.16	22.22	22.17		
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	24.0	0.0
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	23.0	1.0
100	QPSK	1	271	22.01	22.07	22.04		
100	QPSK	135	0	22.71	22.88	22.84		
100	QPSK	135	69	22.85	22.91	22.88	24.0	0.0
100	QPSK	135	138	22.09	22.10	22.07	23.0	1.0
100	QPSK	270	0	22.35	22.49	22.41		

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		
100	QPSK	1	137	22.63	22.87	22.60	23.0	1.0
100	QPSK	1	271	21.96	22.17	21.98		
100	QPSK	135	0	22.18	22.53	22.31		
100	QPSK	135	69	22.54	22.82	22.66	23.0	1.0
100	QPSK	135	138	22.22	22.69	22.57		
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	26.5	0.0
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	25.5	1.0
100	QPSK	1	271	23.94	23.96	23.85		
100	QPSK	135	0	23.30	23.51	23.40		
100	QPSK	135	69	24.50	24.63	24.62	25.5	1.0
100	QPSK	135	138	23.35	23.55	23.31		
100	QPSK	270	0	23.40	23.47	23.24		

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		24.0	0.0
100	QPSK	1	137		23.17			
100	QPSK	1	271		22.51			
100	QPSK	135	0		23.12			
100	QPSK	135	69		23.15		24.0	0.0
100	QPSK	135	138		23.09		24.0	0.0
100	QPSK	270	0		23.04			

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		26.5	0.0
100	QPSK	1	137		24.86			
100	QPSK	1	271		23.97			
100	QPSK	135	0		23.64			
100	QPSK	135	69		24.72		25.5	1.0
100	QPSK	135	138		23.72		25.5	1.0
100	QPSK	270	0		23.66			

Part270 n77 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.45	20.04	22.5	0.0
100	PI/2 BPSK	1	137	20.39	20.86	20.65		
100	PI/2 BPSK	1	271	19.91	20.23	20.26	22.5	0.0
100	PI/2 BPSK	135	0	20.50	20.86	20.79		
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		
100	PI/2 BPSK	270	0	20.70	20.86	20.63	22.5	0.0
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		
100	QPSK	135	138	20.55	20.83	20.83	22.5	0.0
100	QPSK	270	0	20.66	20.92	20.90		
100	16QAM	1	1	19.86	20.14	19.87	22.5	0.0
100	64QAM	1	1	19.85	20.19	20.17		
100	256QAM	1	1	19.00	19.39	19.28	20.0	2.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	120	20.62	20.96	20.69	22.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	20.61	21.01	20.68	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	95	20.60	20.98	20.65	22.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	20.61	21.00	20.69	22.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	20.62	21.02	20.68	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	20.60	21.01	20.70	22.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	39	20.67	20.99	20.69	22.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	20.61	21.01	20.68	22.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	20.64	20.97	20.68	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
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	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.52	22.92	22.72	24.5	0.0
100	PI/2 BPSK	1	137	23.21	23.51	23.25		
100	PI/2 BPSK	1	271	22.73	23.11	22.96	24.0	0.5
100	PI/2 BPSK	135	0	22.93	23.14	22.79		
100	PI/2 BPSK	135	69	23.50	23.50	23.68	24.0	0.5
100	PI/2 BPSK	135	138	23.12	23.29	23.07		
100	PI/2 BPSK	270	0	23.00	23.20	22.98	24.5	0.0
100	QPSK	1	1	22.44	22.80	22.58		
100	QPSK	1	137	23.65	23.97	23.80	23.5	1.0
100	QPSK	1	271	22.78	23.13	22.98		
100	QPSK	135	0	22.49	22.85	22.62	24.5	0.0
100	QPSK	135	69	23.52	23.93	23.61		
100	QPSK	135	138	22.46	22.85	22.58	23.5	1.0
100	QPSK	270	0	22.72	22.88	22.61		
100	16QAM	1	1	22.00	22.31	22.07	22.0	2.5
100	64QAM	1	1	20.35	20.72	20.54		
100	256QAM	1	1	18.37	18.74	18.35	20.0	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	120	23.55	23.88	23.74	24.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	23.59	23.88	23.77	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	95	23.59	23.95	23.75	24.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	23.58	23.92	23.79	24.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	23.56	23.94	23.74	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	23.62	23.88	23.71	24.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	39	23.59	23.92	23.72	24.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	23.58	23.99	23.71	24.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	23.62	23.87	23.76	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
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			22.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	19.79				
100	PI/2 BPSK	1	137	20.45				
100	PI/2 BPSK	1	271	19.88			22.5	0.0
100	PI/2 BPSK	135	0	20.42				
100	PI/2 BPSK	135	69	20.46				
100	PI/2 BPSK	135	138	20.48				
100	PI/2 BPSK	270	0	20.41			22.5	0.0
100	QPSK	1	1	19.80				
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				
100	QPSK	135	138	20.44				
100	QPSK	270	0	20.41				
100	16QAM	1	1	19.78			22.5	0.0
100	64QAM	1	1	19.74				
100	256QAM	1	1	18.87				
Channel				649668	650000	650334	22.5	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	20.51	20.49	20.54		
Channel				649334	650000	650668	22.5	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	20.46	20.45	20.52		
Channel				649000	650000	651000	22.5	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	20.49	20.54	20.45		
Channel				648668	650000	651334	22.5	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	20.51	20.50	20.47		
Channel				648334	650000	651668	22.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	20.46	20.54	20.51		
Channel				648000	650000	652000	22.5	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	20.50	20.50	20.49		
Channel				647668	650000	652334	22.5	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	20.49	20.50	20.50		
Channel				647334	650000	652668	22.5	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	20.49	20.51	20.52		
Channel				647168	650000	652834	22.5	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	20.52	20.45	20.46		
Channel				647000	650000	653000	22.5	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	20.46	20.53	20.47		

Part270 n78 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			24.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.75				
100	PI/2 BPSK	1	137	23.41				
100	PI/2 BPSK	1	271	22.72			24.0	0.5
100	PI/2 BPSK	135	0	22.88				
100	PI/2 BPSK	135	69	23.27				
100	PI/2 BPSK	135	138	22.83				
100	PI/2 BPSK	270	0	22.77			24.5	0.0
100	QPSK	1	1	22.38				
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				
100	QPSK	135	138	22.28				
100	QPSK	270	0	22.28				
100	16QAM	1	1	22.03			22.0	2.5
100	64QAM	1	1	20.45				
100	256QAM	1	1	18.36				
Channel				649668	650000	650334	24.5	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	23.36	23.37	23.43		
Channel				649334	650000	650668	24.5	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	23.42	23.36	23.43		
Channel				649000	650000	651000	24.5	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	23.41	23.43	23.35		
Channel				648668	650000	651334	24.5	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	23.34	23.35	23.41		
Channel				648334	650000	651668	24.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	23.38	23.35	23.37		
Channel				648000	650000	652000	24.5	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	23.40	23.42	23.38		
Channel				647668	650000	652334	24.5	0.0
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	23.40	23.42	23.38		
Channel				647334	650000	652668	24.5	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	23.40	23.42	23.38		
Channel				647168	650000	652834	24.5	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	23.40	23.42	23.38		
Channel				647000	650000	653000	24.5	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	23.40	23.42	23.38		

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								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.84	22.89	22.75	24.0	0.0
50	QPSK	1	135	22.57	22.78	22.51		
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	23.0	1.0
50	QPSK	270	0	21.57	21.73	21.46		

Part270 n77 Main PA Ant1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	19.46	20.01	19.85	22.5	0.0
100	QPSK	1	137	20.83	20.65	20.81		
100	QPSK	1	271	19.90	19.97	19.93		
100	QPSK	135	0	20.53	20.59	20.55		
100	QPSK	135	69	20.75	20.76	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		

Part270 n77 PC2 Main PA Ant1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	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		

Part270 n78 Main PA Ant1 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-Side Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			22.5	0.0
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	20.99			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			23.5	0.0
Frequency (MHz)				3750				
100	QPSK	1	1	21.03			23.5	0.0
100	QPSK	1	137	22.08				
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 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	20.09	20.20	19.72	23.0	0.0
100	QPSK	1	137	20.52	20.62	20.56		
100	QPSK	1	271	19.69	19.72	19.65		
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	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 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	21.93	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		
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	135
100	QPSK	270

5 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		23.0	0.0
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		23.5	1.0
100	QPSK	135	69		22.48		24.5	0.0
100	QPSK	135	138		21.22		23.5	1.0
100	QPSK	270	0		21.21			

n38 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				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	16.0	0.0
40	QPSK	50	56	14.06	14.02	14.05	16.0	0.0
40	QPSK	100	0	14.25	14.60	14.47		

n41 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				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	16.0	0.0
100	QPSK	135	138	14.10	14.06	14.02	16.0	0.0
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	16.5	0.0
100	QPSK	135	138	14.50	14.81	14.59	16.5	0.0
100	QPSK	270	0	14.72	14.77	14.50		

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				
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			16.5	0.0
100	QPSK	135	69	15.55			16.5	0.0
100	QPSK	135	138	14.62			16.5	0.0
100	QPSK	270	0	14.69				

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	19.0	0.0	
100	PI/2 BPSK	1	137	18.39	18.85	18.38			
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	19.0	0.0	
100	QPSK	1	137	18.51	18.91	18.46			
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	18.46	19.0	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	120	18.41	18.88	18.43	19.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	18.42	18.88	18.35	19.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	18.45	18.84	18.37	19.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	18.40	18.85	18.43	19.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	18.45	18.81	18.35	19.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	18.40	18.81	18.36	19.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	39	18.40	18.88	18.42	19.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	18.46	18.86	18.41	19.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	18.46	18.86	18.38	19.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
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					
Frequency (MHz)				3750					
100	PI/2 BPSK	1			17.42		19.0	0.0	
100	PI/2 BPSK	1	137		18.58				
100	PI/2 BPSK	1	271		17.78				
100	PI/2 BPSK	135	0		17.14				
100	PI/2 BPSK	135	69		18.48				
100	PI/2 BPSK	135	138		17.64				
100	PI/2 BPSK	270	0		17.49		19.0	0.0	
100	QPSK	1	1		17.56		19.0	0.0	
100	QPSK	1	137		18.67				
100	QPSK	1	271		17.80				
100	QPSK	135	0		17.39				
100	QPSK	135	69		17.71				
100	QPSK	135	138		17.64				
100	QPSK	270	0		17.61		19.0	0.0	
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	650334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0	
90	QPSK	1	120	18.65	18.59	18.04	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0	
80	QPSK	1	109	18.59	18.60	18.01	19.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3750	3765	19.0	0.0	
70	QPSK	1	95	18.63	18.66	18.59	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3770.01	19.0	0.0	
60	QPSK	1	81	18.62	18.60	18.59	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0	
50	QPSK	1	67	18.59	18.64	18.66	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780	19.0	0.0	
40	QPSK	1	53	18.62	18.63	18.60	19.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3750	3785.01	19.0	0.0	
30	QPSK	1	39	18.58	18.59	18.56	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0	
20	QPSK	1	26	18.63	18.61	18.65	19.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0	
15	QPSK	1	19	18.63	18.64	18.62	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3750	3795	19.0	0.0	
10	QPSK	1	12	18.58	18.59	18.58	19.0	0.0	

Reduced Power Mode for Main PA EC13

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					167300		24.0	0.0
Frequency (MHz)					836.5			
25	QPSK	1	1		22.88			
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								
BW [MHz]	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	24.0	0.0
Frequency (MHz)					824	831.5		
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79		
20	QPSK	1	104	22.53	22.74	22.62	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.5	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.19	18.43	18.26	19.5	0.0
50	QPSK	1	135	18.36	18.41	18.41		
50	QPSK	1	268	18.09	18.39	18.09	19.5	0.0
50	QPSK	135	0	18.35	18.28	18.31		
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	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		
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	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	22.5	1.0
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	21.51	21.17	22.5	1.0
100	QPSK	135	138	20.01	20.43	20.10		
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		22.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		20.11			
100	QPSK	1	137		21.21		22.0	0.5
100	QPSK	1	271		19.23			
100	QPSK	135	0		19.94			
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		23.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		21.03			
100	QPSK	1	137		22.08		22.5	1.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		20.74			
100	QPSK	135	69		22.06		23.5	0.0
100	QPSK	135	138		21.03			
100	QPSK	270	0		20.80			

Part270 n77 Main PA PC2&PC3 Ant2 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	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	16.01	16.08	16.16		
100	QPSK	1	137	16.41	16.53	16.45	18.0	0.0
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	18.0	0.0
100	QPSK	270	0	16.32	16.46	16.37	18.0	0.0

Part270 n78 Main PA PC2&PC3 Ant2 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			18.0	0.0
Frequency (MHz)				3750				
100	QPSK	1	1		16.00			
100	QPSK	1	137		16.31			
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		18.0	0.0
100	QPSK	270	0		16.16			

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	15.5	0.0
40	QPSK	1	53	14.19	14.27	14.16		
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	15.5	0.0
40	QPSK	100	0	14.33	14.35	14.24		

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	15.5	0.0
100	QPSK	1	137	14.30	14.53	14.22		
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	15.5	0.0
100	QPSK	270	0	14.32	14.39	14.38		

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	16.5	0.0
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		
100	QPSK	1	271	14.47	14.51	14.50	16.5	0.0
100	QPSK	135	0	14.84	14.85	14.81		
100	QPSK	135	69	14.71	14.88	14.78		
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		3750	16.5	0.0
Frequency (MHz)								
100	QPSK	1	1	14.50				
100	QPSK	1	137	15.00				
100	QPSK	1	271	14.62		16.5	0.0	
100	QPSK	135	0	14.96				
100	QPSK	135	69	14.97				
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	18.5	0.0
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		
100	PI/2 BPSK	135	69	17.76	17.96	17.75		
100	PI/2 BPSK	135	138	17.82	17.87	17.72		
100	PI/2 BPSK	270	0	17.76	17.90	17.71	18.5	0.0
100	QPSK	1	1	17.80	17.90	17.73		
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		
100	QPSK	135	69	17.42	17.96	17.57		
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		
100	64QAM	1	1	17.22	17.86	17.31		
100	256QAM	1	1	17.15	17.73	17.52		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	18.5	0.0
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	18.5	0.0
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)				3725	3840	3945	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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		18.5	0.0
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			
100	PI/2 BPSK	135	69		17.67			
100	PI/2 BPSK	135	138		17.68			
100	PI/2 BPSK	270	0		17.70		18.5	0.0
100	QPSK	1	1		17.74			
100	QPSK	1	137		17.78			
100	QPSK	1	271		17.75			
100	QPSK	135	0		17.70			
100	QPSK	135	69		17.75			
100	QPSK	135	138		17.69		18.5	0.0
100	QPSK	270	0		16.72			
100	16QAM	1	1		17.55			
100	64QAM	1	1		17.71			
100	256QAM	1	1		17.52			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	18.5	0.0
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	18.5	0.0
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)				3725	3750	3765	18.5	0.0
70	QPSK	1	95	17.75	17.64	17.66	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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	18.5	0.0
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			
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	168300	171800	24.0	0.0
Frequency (MHz)				824	831.5	839		
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	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.89	22.98	22.81		
50	QPSK	1	135	22.66	22.79	22.55	23.0	1.0
50	QPSK	1	268	22.38	22.47	22.25		
50	QPSK	135	0	21.69	21.81	21.61		
50	QPSK	135	68	22.82	22.93	22.70	24.0	0.0
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0
50	QPSK	270	0	21.66	21.78	21.54		

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	19.46	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		
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		

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	20.04	20.58	20.22		
100	QPSK	1	137	21.35	21.75	21.39	22.5	1.0
100	QPSK	1	271	19.21	19.78	19.32		
100	QPSK	135	0	19.81	20.41	19.96		
100	QPSK	135	69	21.00	21.52	21.20	22.5	1.0
100	QPSK	135	138	20.05	20.51	20.19		
100	QPSK	270	0	19.91	20.59	19.96		

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		22.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		20.33			
100	QPSK	1	137		21.50		22.0	0.5
100	QPSK	1	271		20.77			
100	QPSK	135	0		20.97			
100	QPSK	135	69		21.17		22.5	0.0
100	QPSK	135	138		21.10			
100	QPSK	270	0		20.91			

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		23.5	0.0
Frequency (MHz)					3750			
100	QPSK	1	1		21.12			
100	QPSK	1	137		22.15		22.5	1.0
100	QPSK	1	271		21.50			
100	QPSK	135	0		20.91			
100	QPSK	135	69		22.13		23.5	0.0
100	QPSK	135	138		21.07			
100	QPSK	270	0		20.95			

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	20.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	17.85	17.89	17.82		
100	QPSK	1	137	18.27	18.29	17.26	20.0	0.0
100	QPSK	1	271	17.76	17.86	17.81	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	20.0	0.0
100	QPSK	270	0	18.17	18.21	18.15		

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			20.0	0.0
Frequency (MHz)				3750				
100	QPSK	1	1	17.69				
100	QPSK	1	137	18.11			20.0	0.0
100	QPSK	1	271	17.62				
100	QPSK	135	0	17.92			20.0	0.0
100	QPSK	135	69	18.07			20.0	0.0
100	QPSK	135	138	18.03			20.0	0.0
100	QPSK	270	0	18.04				

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	24.0	0.0
40	QPSK	1	53	22.79	22.82	22.75		
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	23.0	1.0
40	QPSK	100	0	22.08	22.13	22.07		

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	24.0	0.0
100	QPSK	1	137	22.93	22.99	22.95		
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	23.0	1.0
100	QPSK	270	0	22.45	22.55	22.48		

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		
100	QPSK	1	137	22.63	22.87	22.60	23.0	1.0
100	QPSK	1	271	21.96	22.17	21.98		
100	QPSK	135	0	22.18	22.53	22.31		
100	QPSK	135	69	22.54	22.82	22.66	23.0	1.0
100	QPSK	135	138	22.22	22.69	22.57		
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	26.5	0.0
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	25.5	1.0
100	QPSK	1	271	23.94	23.96	23.85		
100	QPSK	135	0	23.30	23.51	23.40		
100	QPSK	135	69	24.50	24.63	24.62	25.5	1.0
100	QPSK	135	138	23.35	23.55	23.31		
100	QPSK	270	0	23.40	23.47	23.24		

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		24.0	0.0
100	QPSK	1	137		23.17			
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		24.0	0.0
100	QPSK	270	0		23.04			

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			26.5	0.0
Frequency (MHz)				3750				
100	QPSK	1	1	23.93			26.5	0.0
100	QPSK	1	137	24.86				
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			25.5	1.0
100	QPSK	270	0	23.66				

Part270 n77 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.10	20.45	20.04	22.5	0.0
100	PI/2 BPSK	1	137	20.39	20.86	20.65		
100	PI/2 BPSK	1	271	19.91	20.23	20.26	22.5	0.0
100	PI/2 BPSK	135	0	20.50	20.86	20.79		
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		
100	PI/2 BPSK	270	0	20.70	20.86	20.63	22.5	0.0
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		
100	QPSK	135	138	20.55	20.83	20.83	22.5	0.0
100	QPSK	270	0	20.66	20.92	20.90		
100	16QAM	1	1	19.86	20.14	19.87	22.5	0.0
100	64QAM	1	1	19.85	20.19	20.17		
100	256QAM	1	1	19.00	19.39	19.28	20.0	2.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	120	20.62	20.96	20.69	22.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	20.61	21.01	20.68	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	95	20.60	20.98	20.65	22.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	20.61	21.00	20.69	22.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	20.62	21.02	20.68	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	20.60	21.01	20.70	22.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	39	20.67	20.99	20.69	22.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	20.61	21.01	20.68	22.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	20.64	20.97	20.68	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
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	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.52	22.92	22.72	24.5	0.0
100	PI/2 BPSK	1	137	23.21	23.51	23.25		
100	PI/2 BPSK	1	271	22.73	23.11	22.96	24.0	0.5
100	PI/2 BPSK	135	0	22.93	23.14	22.79		
100	PI/2 BPSK	135	69	23.50	23.50	23.68	24.0	0.5
100	PI/2 BPSK	135	138	23.12	23.29	23.07		
100	PI/2 BPSK	270	0	23.00	23.20	22.98	24.5	0.0
100	QPSK	1	1	22.44	22.80	22.58		
100	QPSK	1	137	23.65	23.97	23.80	23.5	1.0
100	QPSK	1	271	22.78	23.13	22.98		
100	QPSK	135	0	22.49	22.85	22.62	24.5	0.0
100	QPSK	135	69	23.52	23.93	23.61		
100	QPSK	135	138	22.46	22.85	22.58	23.5	1.0
100	QPSK	270	0	22.72	22.88	22.61		
100	16QAM	1	1	22.00	22.31	22.07	22.0	2.5
100	64QAM	1	1	20.35	20.72	20.54		
100	256QAM	1	1	18.37	18.74	18.35	20.0	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	120	23.55	23.88	23.74	24.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	109	23.59	23.88	23.77	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	95	23.59	23.95	23.75	24.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	81	23.58	23.92	23.79	24.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	67	23.56	23.94	23.74	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	53	23.62	23.88	23.71	24.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	39	23.59	23.92	23.72	24.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	26	23.58	23.99	23.71	24.5	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	19	23.62	23.87	23.76	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
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			22.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	19.79				
100	PI/2 BPSK	1	137	20.45				
100	PI/2 BPSK	1	271	19.88			22.5	0.0
100	PI/2 BPSK	135	0	20.42				
100	PI/2 BPSK	135	69	20.46				
100	PI/2 BPSK	135	138	20.48				
100	PI/2 BPSK	270	0	20.41			22.5	0.0
100	QPSK	1	1	19.80				
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				
100	QPSK	135	138	20.44				
100	QPSK	270	0	20.41				
100	16QAM	1	1	19.78			22.5	0.0
100	64QAM	1	1	19.74				
100	256QAM	1	1	18.87				
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			24.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.75				
100	PI/2 BPSK	1	137	23.41				
100	PI/2 BPSK	1	271	22.72			24.0	0.5
100	PI/2 BPSK	135	0	22.88				
100	PI/2 BPSK	135	69	23.27				
100	PI/2 BPSK	135	138	22.83				
100	PI/2 BPSK	270	0	22.77			24.5	0.0
100	QPSK	1	1	22.38				
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				
100	QPSK	135	138	22.28				
100	QPSK	270	0	22.28				
100	16QAM	1	1	22.03			23.5	1.0
100	64QAM	1	1	20.45				
100	256QAM	1	1	18.36				
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		24.0	0.0
Frequency (MHz)					836.5			
25	QPSK	1	1		22.88			
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								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					164800	166300	167800	24.0
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	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 DCI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.0	0.0
Frequency (MHz)				2525	2535	2545		
50	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		
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		

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		
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	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	22.5	1.0
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	21.45	21.17	22.5	1.0
100	QPSK	135	138	20.01	20.43	20.10		
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		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

Part27O n77 PC2 Main PA Ant2 PC2&PC3 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.0	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	17.80	17.85	17.76		
100	QPSK	1	137	18.17	18.25	17.16	20.0	0.0
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	20.0	0.0
100	QPSK	270	0	18.07	18.14	18.08		

Part27O 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			20.0	0.0
Frequency (MHz)				3750				
100	QPSK	1	1	17.61				
100	QPSK	1	137	18.01			20.0	0.0
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			20.0	0.0
100	QPSK	270	0	17.95				

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	20.5	0.0
40	QPSK	1	53	19.05	19.25	19.07		
40	QPSK	1	104	19.14	19.22	19.24	20.5	0.0
40	QPSK	50	0	19.22	19.23	19.18		
40	QPSK	50	28	19.15	19.27	19.24	20.5	0.0
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	20.5	0.0
100	QPSK	1	137	19.29	19.42	19.20		
100	QPSK	1	271	19.28	19.58	19.12	20.5	0.0
100	QPSK	135	0	19.38	19.42	19.45		
100	QPSK	135	69	19.32	19.46	19.05	20.5	0.0
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	19.0	0.0
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		
100	QPSK	135	69	18.19	18.41	18.08	19.0	0.0
100	QPSK	135	138	18.14	18.26	18.30		
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		3750	19.0	0.0
Frequency (MHz)								
100	QPSK	1	1	17.93				
100	QPSK	1	137	18.47				
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				
100	QPSK	270	0	18.30			19.0	0.0

Part270 n77 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	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		
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		

Part270 n77 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	20.81	21.14	20.83		
100	QPSK	1	137	21.74	22.17	21.88	23.5	1.0
100	QPSK	1	271	20.93	21.32	21.17		
100	QPSK	135	0	20.65	20.94	20.73		
100	QPSK	135	69	21.64	22.16	21.76	23.5	1.0
100	QPSK	135	138	20.66	21.06	20.80		
100	QPSK	270	0	20.79	21.01	20.86		

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			22.5	0.0
100	QPSK	1	1	19.89				
100	QPSK	1	137	20.62				
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			22.5	0.0
100	QPSK	270	0	20.50				

Part270 n78 PC2 Main PA Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			24.5	0.0
Frequency (MHz)				3750				
100	QPSK	1	1	21.53				
100	QPSK	1	137	22.65				
100	QPSK	1	271	21.89			23.5	1.0
100	QPSK	135	0	21.54				
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 ECI7

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					167300		24.0	0.0
Frequency (MHz)					836.5			
25	QPSK	1	1		22.88			
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								
BW [MHz]	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	24.0	0.0
Frequency (MHz)					824	831.5		
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	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 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.5	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.25	18.49	18.22	19.5	0.0
50	QPSK	1	135	18.35	18.37	18.41		
50	QPSK	1	268	18.12	18.46	18.16	19.5	0.0
50	QPSK	135	0	18.38	18.21	18.37		
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	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		
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	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	22.5	1.0
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		
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		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	15.0	0.0
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		
100	PI/2 BPSK	135	0	13.23	13.51	13.31		
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	15.0	0.0
100	QPSK	1	1	13.24	13.08	13.09		
100	QPSK	1	137	13.47	13.56	13.43	15.0	0.0
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	15.0	MPR
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	120	13.29	13.31	13.32	15.0	0.0
Channel				649334	656000	662668	15.0	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	13.29	13.28	13.24	15.0	0.0
Channel				649000	656000	663000	15.0	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	95	13.25	13.39	13.31	15.0	0.0
Channel				648668	656000	663334	15.0	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	12.33	12.38	12.22	15.0	0.0
Channel				648334	656000	663668	15.0	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	12.33	12.38	12.25	15.0	0.0
Channel				648000	656000	664000	15.0	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	12.29	12.31	12.31	15.0	0.0
Channel				647668	656000	664334	15.0	MPR
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	39	12.34	12.32	12.30	15.0	0.0
Channel				647334	656000	664668	15.0	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	12.27	12.35	12.24	15.0	0.0
Channel				647168	656000	664834	15.0	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	12.28	12.31	12.31	15.0	0.0
Channel				647000	656000	665000	15.0	MPR
Frequency (MHz)				3705	3840	3975		
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		15.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.95		15.0	0.0
100	PI/2 BPSK	1	137		12.91			
100	PI/2 BPSK	1	271		13.05			
100	PI/2 BPSK	135	0		12.95			
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		15.0	0.0
100	QPSK	1	1		12.69			
100	QPSK	1	137		13.09		15.0	0.0
100	QPSK	1	271		12.82		15.0	0.0
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		15.0	0.0
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	15.0	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	120	11.98	12.03	12.01	15.0	0.0
Channel				649334	650000	650668	15.0	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	12.00	12.05	12.01	15.0	0.0
Channel				649000	650000	651000	15.0	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	11.99	12.07	12.04	15.0	0.0
Channel				648668	650000	651334	15.0	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	12.00	12.02	12.08	15.0	0.0
Channel				648334	650000	651668	15.0	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	12.06	12.00	12.04	15.0	0.0
Channel				648000	650000	652000	15.0	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	12.03	12.03	12.03	15.0	0.0
Channel				647668	650000	652334	15.0	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	12.08	12.01	12.08	15.0	0.0
Channel				647334	650000	652668	15.0	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	12.00	12.07	12.07	15.0	0.0
Channel				647168	650000	652834	15.0	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	11.99	12.07	12.07	15.0	0.0
Channel				647000	650000	653000	15.0	MPR
Frequency (MHz)				3705	3750	3795		
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	12.5	0.0
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		
40	QPSK	50	28	11.28	11.46	11.24	12.5	0.0
40	QPSK	50	56	11.18	11.40	11.23	12.5	0.0
40	QPSK	100	0	11.28	11.40	11.34		

n41 Main PA Ant4 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	12.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	11.41	11.46	11.42	12.5	0.0
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		
100	QPSK	135	69	11.32	11.49	11.30	12.5	0.0
100	QPSK	135	138	11.40	11.37	11.18	12.5	0.0
100	QPSK	270	0	11.38	11.43	11.37		

Part270 n77 Main PA Ant5 PC2&PC3 ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	14.0	0.0
Frequency (MHz)				3750	3840	3930		
100	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	14.0	0.0
100	QPSK	135	0	12.05	12.33	12.29		
100	QPSK	135	69	12.33	12.39	12.31		
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		14.0	0.0
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	16.5	0.0
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		
100	QPSK	1	271	15.06	15.53	15.42	16.5	0.0
100	QPSK	135	0	14.90	15.08	14.85		
100	QPSK	135	69	15.88	16.32	15.93		
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		3750	16.5	0.0
Frequency (MHz)								
100	QPSK	1	1					
100	QPSK	1	137	16.19				
100	QPSK	1	271	15.26		16.5	0.0	
100	QPSK	135	0	14.99				
100	QPSK	135	69	15.18				
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 Body-worn		Standalone for Head		Standalone for Hotspot Standalone for Body-worn			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412		20.50	Not request	17.50	15.50		100%
		6	2437	Not request	20.50	16.91	17.50	15.50		
		11	2462	19.11	20.50		17.50	14.11	15.50	
	802.11g 6Mbps	1	2412		16.50		16.50	15.50		100%
		6	2437		20.00		17.50	15.50		
		11	2462		17.50		17.00	15.50		
	802.11n-HT20 MCS0	2	2417		19.00		15.50	15.50		100%
		1	2412		15.50		15.50	15.50		
		6	2437		20.00		17.50	15.50		
	802.11n-HT40 MCS0	11	2462		17.50		17.00	15.50		100%
		3	2422	13.26	15.00		15.00	15.50		
		6	2437	16.20	17.50		17.50	15.50		
		9	2452	13.78	15.00		15.00	15.50		100%

<5.2GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head/Hotspot		Standalone for Body-worn		Simultaneous for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	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			100%
		40	5200		19.50	15.00	15.83	17.50	13.00			
		44	5220	17.91	19.50	15.00	16.11	17.50	13.00			
	802.11n-HT20 MCS0	48	5240		19.50	15.00	15.05	17.50	13.00			100%
		36	5180		19.00	15.00		17.50	13.00			
		40	5200		19.00	15.00		17.50	13.00			
	802.11n-HT40 MCS0	44	5220		19.00	15.00	15.00	17.50	13.00			100%
		48	5240		19.00	15.00		17.50	13.00			
		38	5190		17.00	15.00		17.00	13.00	Not request		
	802.11ac-VHT20 MCS0	46	5230	Not request	17.00	15.00	15.00	17.00	13.00			100%
		36	5180		19.00	15.00	15.00	17.50	13.00			
		40	5200		19.00	15.00	15.00	17.50	13.00			
	802.11ac-VHT40 MCS0	44	5220		19.00	15.00	15.00	17.50	13.00			100%
		48	5240		19.00	15.00	15.00	17.50	13.00			
		38	5190		17.00	15.00	15.00	17.00	13.00			
	802.11ac-VHT80 MCS0	46	5230		17.00	15.00	15.00	17.00	13.00			100%
		42	5210		15.50	13.38	15.00	15.00	11.55	13.00		

<5.3GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head		Standalone for Body-worn		Simultaneous for Body-worn			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	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	100%	
		56	5280	18.50	20.00		16.00	16.45	18.00		14.00		
		60	5300		20.00		16.00	16.42	18.00		14.00		
	802.11n-HT20 MCS0	64	5320		19.00		16.00		16.35	18.00		14.00	100%
		52	5260		19.50		16.00			18.00		14.00	
		56	5280		19.50		16.00			18.00		14.00	
	802.11n-HT40 MCS0	60	5300		19.50		16.00			18.00		14.00	100%
		64	5320		19.00		16.00			18.00		14.00	
		54	5270		17.50	Not request			17.50	Not request		14.00	
	802.11ac-VHT20 MCS0	62	5310	Not request	16.50		16.00			16.50		14.00	100%
		52	5260		20.00		16.00	Not request		18.00		14.00	
		56	5280		20.00		16.00	Not request		18.00		14.00	
	802.11ac-VHT40 MCS0	60	5300		20.00		16.00			18.00		14.00	100%
		64	5320		18.00		16.00			18.00		14.00	
		54	5270		17.50		16.00			17.50		14.00	
	802.11ac-VHT80 MCS0	62	5310		16.50		16.00			16.50		14.00	100%
		58	5290		16.50	14.25	16.00			16.50	12.41	14.00	

<5.5GHz WLAN>

Ant6				RF Full power Standalone for Extremity		Standalone for Head		Standalone for Body-worn		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.56	19.00	17.00	17.00	14.00	14.00	100%
		116	5580		19.00	17.00	17.00	14.00	14.00	
		124	5620		19.00	17.00	17.00	14.00	14.00	
		132	5660		19.00	17.00	17.00	14.00	14.00	
		140	5700		19.00	17.00	17.00	14.00	14.00	
		144	5720		19.00	17.00	17.00	14.00	14.00	
	802.11n-HT20 MCS0	100	5500		19.00	17.00	17.00	14.00	14.00	100%
		116	5580		19.00	17.00	17.00	14.00	14.00	
		124	5620		19.00	17.00	17.00	14.00	14.00	
		132	5660		19.00	17.00	17.00	14.00	14.00	
		140	5700		19.00	17.00	17.00	14.00	14.00	
		144	5720		19.00	17.00	17.00	14.00	14.00	
	802.11n-HT40 MCS0	102	5510		17.00	17.00	17.00	14.00	14.00	100%
		110	5550		17.00	17.00	17.00	14.00	14.00	
		126	5630		17.00	17.00	17.00	14.00	14.00	
		134	5670	Not request	17.00	17.00	17.00	14.00	14.00	
		142	5710	15.39	17.00	17.00	17.00	14.00	14.00	
		146	5730		17.00	17.00	17.00	14.00	14.00	
	802.11ac-VHT20 MCS0	100	5500		19.00	17.00	17.00	14.00	14.00	100%
		116	5580		19.00	17.00	17.00	14.00	14.00	
		124	5620		19.00	17.00	17.00	14.00	14.00	
		132	5660		19.00	17.00	17.00	14.00	14.00	
		140	5700		16.00	16.00	16.00	14.00	14.00	
		144	5720		19.00	17.00	17.00	14.00	14.00	
	802.11ac-VHT40 MCS0	102	5510		17.00	17.00	17.00	14.00	14.00	100%
		110	5550		17.00	17.00	17.00	14.00	14.00	
		126	5630		17.00	17.00	17.00	14.00	14.00	
		134	5670		17.00	17.00	17.00	14.00	14.00	
		142	5710		17.00	17.00	17.00	14.00	14.00	
		146	5730		15.50	15.50	15.50	14.00	14.00	
	802.11ac-VHT80 MCS0	122	5610		15.50	15.50	15.50	14.00	14.00	100%
		138	5690		15.50	15.50	12.66	14.00	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		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.55	19.00	16.51	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50	100%	
		157	5785		19.00	16.45	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
		165	5825		19.00	16.42	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
	802.11n-HT20 MCS0	149	5745		18.50	18.00	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50	100%	
		157	5785		18.50	18.00	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
		165	5825		18.50	18.00	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
	802.11n-HT40 MCS0	151	5755		17.00	17.00	Not request	12.50	Not request	10.00	Not request	10.00	Not request	13.50	Not request	100%	
		159	5795	Not request	17.00	17.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50			
		149	5745		18.50	18.00	12.50	10.00	10.00	10.00	10.00	10.00	13.50	9.50			
	802.11ac-VHT20 MCS0	157	5785		18.50	17.00	12.50	10.00	10.00	10.00	10.00	10.00	10.00	13.50	9.50	100%	
		165	5825		18.50	17.00	12.50	10.00	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
		151	5755		17.00	17.00	12.50	10.00	10.00	10.00	10.00	10.00	10.00	13.50	9.50		
	802.11ac-VHT40 MCS0	159	5795		17.00	17.00	12.50	10.00	10.00	10.00	10.00	10.00	10.00	13.50	9.50	100%	
		155	5775		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	Not request	
	CH 39	2441	Not request		
	CH 78	2480	Not request	Not request	
Turn-up Limit			15.5	14	14