



### Default & EC14 Power Mode Main PA

GSM850 Art 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.52	32.63	32.57	33.50	23.52	23.63	23.57	24.50
GPRS 1 Tx slot	32.35	32.50	32.46	33.50	23.35	23.50	23.46	24.50
GPRS 2 Tx slots	31.59	31.71	31.65	32.50	25.59	25.71	25.65	26.50
GPRS 3 Tx slots	29.09	29.80	29.75	30.50	25.43	25.54	25.49	26.24
GPRS 4 Tx slots	28.85	28.80	28.77	29.50	25.65	25.80	25.77	26.50
EDGE 1 Tx slot	27.05	27.13	27.06	27.50	18.05	18.13	18.06	18.50
EDGE 2 Tx slots	25.66	25.82	25.77	26.50	19.66	19.82	19.77	20.50
EDGE 3 Tx slots	23.43	23.56	23.49	24.50	19.17	19.30	19.23	20.24
EDGE 4 Tx slots	22.24	22.33	22.26	23.00	19.24	19.33	19.26	20.00

GSM1800 Art 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1860	1869.8	1852.2	1860	1869.8	1852.2	1860
GSM 1 Tx slot	29.32	29.40	29.25	30.50	20.32	20.40	20.25	21.50
GPRS 1 Tx slot	29.28	29.35	29.19	30.50	20.28	20.35	20.19	21.50
GPRS 2 Tx slots	28.55	28.68	28.43	28.50	22.55	22.68	22.43	23.50
GPRS 3 Tx slots	26.92	27.00	26.87	27.50	22.66	22.74	22.61	23.24
GPRS 4 Tx slots	25.83	25.88	25.72	26.50	22.83	22.89	22.72	23.50
EDGE 1 Tx slot	25.62	25.65	25.58	26.50	16.62	16.65	16.58	17.50
EDGE 2 Tx slots	24.45	24.48	24.40	25.50	18.45	18.48	18.40	19.50
EDGE 3 Tx slots	22.05	22.12	22.09	23.50	17.79	17.86	17.83	18.24
EDGE 4 Tx slots	20.84	20.73	20.68	21.50	17.64	17.73	17.68	18.50

Band	WCDMA 8 Art 0			Tune-up Limit (dBm)	WCDMA 4 Art 0			WCDMA V Art 0			Tune-up Limit (dBm)		
	9282	9400	9538		1312	1413	1513	4192	4162	4233			
TX Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1860	1867.6	1712.4	1722.5	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2kbps	23.15	23.20	23.11	24.00	23.24	23.30	23.17	24.00	23.34	23.40	23.19	24.00
3GPP Rel 99	AMR 2.2kbps	23.18	23.23	23.16	24.00	23.29	23.33	23.21	24.00	23.29	23.45	23.23	24.00
3GPP Rel 6	HSDPA Subtest-1	22.11	22.28	22.15	23.00	22.22	22.38	22.12	23.00	22.43	22.35	22.16	23.00
3GPP Rel 6	HSDPA Subtest-2	22.16	22.27	22.11	23.00	22.29	22.38	22.22	23.00	22.40	22.33	22.21	23.00
3GPP Rel 6	HSDPA Subtest-3	21.88	21.70	21.82	22.50	21.86	21.87	21.88	22.50	21.80	21.94	21.84	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.82	21.63	22.50	21.74	21.77	21.58	22.50	21.77	21.88	21.88	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.17	22.25	22.24	23.00	22.28	22.33	22.17	23.00	22.38	22.41	22.17	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.15	22.24	22.11	23.00	22.23	22.27	22.18	23.00	22.29	22.41	22.21	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.85	21.87	21.72	22.50	21.73	21.84	21.63	22.50	21.76	21.87	21.77	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.67	21.86	21.74	22.50	21.78	21.81	21.66	22.50	21.83	21.83	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	22.17	22.21	22.19	23.00	22.20	22.29	22.25	23.00	22.35	22.32	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	20.15	20.17	20.10	21.00	20.33	20.34	20.14	21.00	20.30	20.50	20.16	21.00
3GPP Rel 6	HSUPA Subtest-3	21.24	21.24	21.14	22.00	21.38	21.32	21.20	22.00	21.43	21.38	21.15	22.00
3GPP Rel 6	HSUPA Subtest-4	20.18	20.12	20.11	21.00	20.24	20.38	20.29	21.00	20.36	20.46	20.16	21.00
3GPP Rel 6	HSUPA Subtest-5	22.22	22.17	22.25	23.00	22.31	22.23	22.12	23.00	22.43	22.48	22.23	23.00











Band	WCDMA R1 Rev. 1			Tune-up Limit (dBm)	WCDMA R1 Rev. 1			Tune-up Limit (dBm)	WCDMA V Rev. 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Tx Channel	9662	9800	9938	1637	1638	1738	4357	4407	4458				
Rx Channel	1852.4	1880	1907.6	1712.4	1732.6	1762.6	438.4	438.4	446.6				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1762.6	438.4	438.4	446.6				
3GPP Rel 99	AMR 12.2Kbps	23.46	23.56	23.49	24.50	23.96	23.93	23.89	25.00	23.51	23.42	23.29	24.00
3GPP Rel 99	RMC 12.2Kbps	23.45	23.68	23.61	24.50	24.04	24.12	23.91	25.00	23.39	23.44	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	22.57	22.69	22.71	23.50	22.86	23.01	22.87	24.00	22.35	22.49	22.31	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.72	22.48	23.50	22.82	23.06	22.73	24.00	22.39	22.51	22.33	23.00
3GPP Rel 6	HSDPA Subtest-3	22.12	22.05	22.17	23.00	22.38	22.45	22.35	23.50	21.95	21.91	21.85	22.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.09	22.06	23.00	22.44	22.45	22.39	23.50	21.84	21.93	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.53	22.65	22.56	23.50	22.77	22.95	22.91	24.00	22.41	22.39	22.25	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.45	22.67	22.60	23.50	23.01	23.15	22.87	24.00	22.36	22.51	22.23	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.09	22.12	22.27	23.00	22.34	22.54	22.21	23.50	21.96	21.90	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.14	22.17	22.03	23.00	22.51	22.43	22.36	23.50	21.89	21.88	21.76	22.50
3GPP Rel 6	HSUPA Subtest-1	22.57	22.67	22.61	23.50	23.02	23.08	22.99	24.00	22.45	22.48	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	20.49	20.60	20.51	21.50	20.87	21.00	20.67	22.00	20.38	20.51	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	21.52	21.54	21.58	22.50	21.97	22.03	21.83	23.00	21.46	21.46	21.26	22.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.64	20.66	21.50	21.13	21.00	20.85	22.00	20.33	20.38	20.27	21.00
3GPP Rel 6	HSUPA Subtest-5	22.65	22.65	22.59	23.50	22.86	22.92	22.80	24.00	22.42	22.38	22.35	23.00

















### Reduced Power Mode for Main PA ECI2

GSM850 Art 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		126	160	261	
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.52	32.63	32.57	33.50	23.52	23.63	23.57	24.50
GPRS 1 Tx slot	32.35	32.50	32.46	33.50	23.35	23.50	23.46	24.50
GPRS 2 Tx slots	31.59	31.71	31.65	32.50	26.59	26.71	26.65	28.50
GPRS 3 Tx slots	29.09	29.80	29.75	30.50	25.43	25.54	25.49	26.24
GPRS 4 Tx slots	28.85	28.80	28.77	29.50	25.65	25.80	25.77	26.50
EDGE 1 Tx slot	27.05	27.13	27.06	27.50	18.05	18.13	18.06	18.50
EDGE 2 Tx slots	25.86	25.82	25.77	26.50	19.86	19.82	19.77	20.50
EDGE 3 Tx slots	23.43	23.56	23.49	24.50	19.17	19.30	19.23	20.24
EDGE 4 Tx slots	22.24	22.33	22.26	23.00	19.24	19.33	19.26	20.00

GSM1900 Art 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		1502.2	1630	1503.6	
Frequency (MHz)	1852.2	1860	1909.6	1852.2	1860	1909.6	1852.2	1860
GSM 1 Tx slot	29.32	29.40	29.25	30.50	20.32	20.40	20.25	21.50
GPRS 1 Tx slot	29.28	29.35	29.19	30.50	20.28	20.35	20.19	21.50
GPRS 2 Tx slots	28.55	28.68	28.43	28.50	22.55	22.68	22.43	23.50
GPRS 3 Tx slots	26.92	27.00	26.87	27.50	22.66	22.74	22.61	23.24
GPRS 4 Tx slots	25.83	25.88	25.72	26.50	22.83	22.89	22.72	23.50
EDGE 1 Tx slot	25.62	25.65	25.58	26.50	16.62	16.65	16.58	17.50
EDGE 2 Tx slots	24.45	24.48	24.40	25.50	18.45	18.48	18.40	19.50
EDGE 3 Tx slots	22.05	22.12	22.09	23.50	17.79	17.86	17.83	18.24
EDGE 4 Tx slots	20.84	20.73	20.68	21.50	17.64	17.73	17.68	18.50

Band TX Channel	WCDMA 8 Art 0			Tune-up Limit (dBm)	WCDMA 4 Art 0			WCDMA 5 Art 0			Tune-up Limit (dBm)		
	9282	9400	9538		1312	1413	1513	4192	4162	4233			
Frequency (MHz)	1852.2	1860	1907.6	1712.4	1732.6	1752.6	856.4	836.4	846.6	856.4			
3GPP Rel 99	23.15	23.20	23.11	24.00	23.24	23.30	23.17	24.00	23.34	23.40	23.19	24.00	
3GPP Rel 99	23.18	23.23	23.16	24.00	23.29	23.33	23.21	24.00	23.29	23.45	23.23	24.00	
3GPP Rel 6	22.11	22.28	22.13	23.00	22.22	22.38	22.12	23.00	22.43	22.35	22.16	23.00	
3GPP Rel 6	HSDPA Subtest-2	22.16	22.27	22.11	23.00	22.29	22.38	22.22	22.40	22.33	22.21	23.00	
3GPP Rel 6	HSDPA Subtest-3	21.88	21.70	21.62	22.50	21.86	21.87	21.88	22.50	21.90	21.94	21.84	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.62	21.63	22.50	21.74	21.77	21.58	22.50	21.77	21.88	21.88	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.17	22.25	22.24	23.00	22.28	22.33	22.17	23.00	22.36	22.41	22.17	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.15	22.24	22.11	23.00	22.23	22.27	22.18	23.00	22.29	22.41	22.21	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.85	21.67	21.72	22.50	21.73	21.84	21.63	22.50	21.76	21.67	21.77	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.67	21.66	21.74	22.50	21.76	21.81	21.66	22.50	21.83	21.83	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	22.17	22.21	22.19	23.00	22.20	22.29	22.25	23.00	22.35	22.32	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	20.15	20.17	20.10	21.00	20.33	20.34	20.14	21.00	20.30	20.50	20.16	21.00
3GPP Rel 6	HSUPA Subtest-3	21.24	21.24	21.14	22.00	21.36	21.32	21.20	22.00	21.43	21.38	21.15	22.00
3GPP Rel 6	HSUPA Subtest-4	20.18	20.12	20.11	21.00	20.24	20.36	20.29	21.00	20.36	20.46	20.16	21.00
3GPP Rel 6	HSUPA Subtest-5	22.22	22.17	22.25	23.00	22.31	22.23	22.12	23.00	22.43	22.48	22.23	23.00













Band	TX Channel	WCDMA R Ant.1			Tune-up Limit (dBm)	WCDMA V Ant.1			Tune-up Limit (dBm)	WCDMA V Ant.1			Tune-up Limit (dBm)
		9582	9600	9588		1512	1418	1513		4152	4168	4233	
	RX Channel	9592	9600	9588		1512	1513	1738		4327	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1752.6	1752.6		836.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.33	15.44	15.41	16.70	17.53	17.50	17.45	18.60	23.31	23.42	23.29	24.00
3GPP Rel 99	RMCS 12.2Kbps	15.51	15.57	15.46	16.70	17.45	17.55	17.49	18.60	23.39	23.44	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	14.45	14.60	14.37	15.70	16.37	16.62	16.57	17.60	22.35	22.48	22.31	23.00
3GPP Rel 6	HSDPA Subtest-2	14.51	14.49	14.48	15.70	16.46	16.52	16.46	17.60	22.39	22.51	22.33	23.00
3GPP Rel 6	HSDPA Subtest-3	13.92	14.01	13.95	15.20	15.90	16.03	15.92	17.10	21.95	21.91	21.85	22.50
3GPP Rel 6	HSDPA Subtest-4	14.04	14.13	13.87	15.20	15.91	15.89	15.97	17.10	21.84	21.93	21.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.55	14.61	14.49	15.70	16.44	16.47	16.44	17.60	22.41	22.39	22.25	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.53	14.66	14.39	15.70	16.46	16.47	16.52	17.60	22.36	22.51	22.23	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.00	14.08	13.96	15.20	15.94	16.11	16.05	17.10	21.96	21.90	21.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.97	13.99	13.94	15.20	16.03	16.14	16.02	17.10	21.89	21.86	21.76	22.50
3GPP Rel 6	HSUPA Subtest-1	14.43	14.56	14.41	15.70	16.42	16.56	16.57	17.60	22.45	22.48	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	12.55	12.50	12.45	13.70	14.46	14.61	14.43	15.60	20.38	20.51	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	13.54	13.50	13.47	14.70	15.54	15.54	15.55	16.60	21.46	21.46	21.28	22.00
3GPP Rel 6	HSUPA Subtest-4	12.42	12.54	12.37	13.70	14.46	14.52	14.49	15.60	20.33	20.38	20.27	21.00
3GPP Rel 6	HSUPA Subtest-5	14.43	14.49	14.50	15.70	16.46	16.56	16.56	17.60	22.42	22.38	22.35	23.00

















### Reduced Power Mode for Main PA EC13

GSM1900 Airt 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		120	160	201	
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6		
GSM 1 Tx slot	30.16	30.42	30.23	31.50	21.16	21.42	21.23	22.50
GPRS 1 Tx slot	29.98	30.22	30.26	31.50	20.98	21.22	21.26	22.50
GPRS 2 Tx slots	27.40	27.42	27.29	28.50	21.40	21.42	21.29	22.50
GPRS 3 Tx slots	25.05	25.09	25.07	26.50	21.39	21.43	21.41	22.24
GPRS 4 Tx slots	24.49	24.56	24.35	25.50	21.49	21.56	21.35	22.50
EDGE 1 Tx slot	27.05	27.13	27.06	27.50	18.05	18.13	18.08	18.50
EDGE 2 Tx slots	25.66	25.82	25.77	26.50	19.66	19.82	19.77	20.50
EDGE 3 Tx slots	23.43	23.56	23.49	24.50	19.17	19.30	19.23	20.24
EDGE 4 Tx slots	22.24	22.33	22.26	23.00	19.24	19.33	19.26	20.00

GSM1900 Airt 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		1502.2	1800	1903.6	
Frequency (MHz)	1852.2	1860	1909.6	1852.2	1860	1909.6		
GSM 1 Tx slot	27.42	27.49	27.15	29.00	18.42	18.49	18.15	20.00
GPRS 1 Tx slot	27.28	27.40	27.19	29.00	18.28	18.40	18.19	20.00
GPRS 2 Tx slots	24.22	24.50	24.03	26.00	18.22	18.50	18.03	20.00
GPRS 3 Tx slots	22.86	22.75	22.61	24.00	18.40	18.49	18.35	18.74
GPRS 4 Tx slots	21.35	21.48	21.44	23.00	18.35	18.48	18.44	20.00
EDGE 1 Tx slot	25.62	25.65	25.58	26.50	16.62	16.65	16.59	17.50
EDGE 2 Tx slots	24.45	24.48	24.40	25.50	16.45	16.48	16.40	19.50
EDGE 3 Tx slots	22.05	22.12	22.09	23.50	17.79	17.86	17.83	18.24
EDGE 4 Tx slots	20.84	20.73	20.68	21.50	17.64	17.73	17.68	18.50

Band TX Channel	WCDMA 8 Airt 0			Tune-up Limit (dBm)	WCDMA 4 Airt 0			WCDMA 5 Airt 0			Tune-up Limit (dBm)	
	9282	9400	9538		1312	1413	1513	4192	4192	4233		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.5	1752.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2kbps	17.58	18.13	18.02	19.30	18.64	18.76	18.54	19.90	23.34	23.40	23.19	24.00
3GPP Rel 99 AMR 2.2kbps	18.16	18.19	17.96	19.30	18.73	18.77	18.66	19.90	23.29	23.45	23.23	24.00
3GPP Rel 6 HSDPA Subtest-1	16.98	17.18	17.11	18.30	17.71	17.81	17.45	18.90	22.43	22.35	22.16	23.00
3GPP Rel 6 HSDPA Subtest-2	17.11	17.09	16.93	18.30	17.74	17.84	17.59	18.90	22.40	22.33	22.21	23.00
3GPP Rel 6 HSDPA Subtest-3	16.62	16.60	16.60	17.80	17.02	17.32	17.02	18.40	21.90	21.94	21.64	22.50
3GPP Rel 6 HSDPA Subtest-4	16.55	16.76	16.52	17.80	17.22	17.22	16.98	18.40	21.77	21.88	21.88	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	17.03	17.15	17.14	18.30	17.70	17.67	17.64	18.90	22.36	22.41	22.17	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	17.11	17.08	17.03	18.30	17.84	17.83	17.63	18.90	22.29	22.41	22.21	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	16.81	16.83	16.56	17.80	17.09	17.19	16.97	18.40	21.76	21.67	21.77	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	16.50	16.50	16.57	17.80	17.27	17.26	17.04	18.40	21.83	21.83	21.77	22.50
3GPP Rel 6 HSUPA Subtest-1	17.12	17.16	17.09	18.30	17.57	17.67	17.72	18.90	22.35	22.32	22.24	23.00
3GPP Rel 6 HSUPA Subtest-2	15.13	15.04	15.01	16.30	15.70	15.82	15.56	16.90	20.30	20.50	20.16	21.00
3GPP Rel 6 HSUPA Subtest-3	16.09	16.21	16.05	17.30	16.83	16.74	16.81	17.90	21.43	21.38	21.15	22.00
3GPP Rel 6 HSUPA Subtest-4	15.15	15.02	15.02	16.30	15.58	15.79	15.67	16.90	20.36	20.46	20.16	21.00
3GPP Rel 6 HSUPA Subtest-5	17.19	17.08	17.24	18.30	17.66	17.62	17.46	18.90	22.43	22.48	22.23	23.00





Band 7 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Turn-up Int. (dB), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 12 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Turn-up Int. (dB), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 13 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Turn-up Int. (dB), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).







Band	WCDMA R1 Rev.1			Tune-up Limit (dBm)	WCDMA R1 Rev.1			Tune-up Limit (dBm)	WCDMA V Rev.1			Tune-up Limit (dBm)	
	Tx Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9562	9800	9938	1637	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1762.6	1826.4	1836.4	1846.6				
3GPP Rel 99	AMR 12.2Kbps	15.02	15.11	15.05	16.40	16.87	17.10	17.03	17.90	23.51	23.42	23.29	24.00
3GPP Rel 99	RM-C 12.2Kbps	15.07	15.12	15.04	16.40	17.12	17.15	17.04	17.90	23.39	23.44	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	14.14	14.06	14.14	15.40	16.01	16.09	15.96	16.90	22.35	22.49	22.31	23.00
3GPP Rel 6	HSDPA Subtest-2	13.97	14.16	14.05	15.40	15.96	16.15	15.87	16.90	22.39	22.51	22.33	23.00
3GPP Rel 6	HSDPA Subtest-3	13.70	13.51	13.73	14.90	15.51	15.60	15.53	16.40	21.95	21.91	21.85	22.50
3GPP Rel 6	HSDPA Subtest-4	13.64	13.60	13.63	14.90	15.59	15.53	15.51	16.40	21.84	21.93	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	14.00	14.17	13.98	15.40	15.94	16.06	15.94	16.90	22.41	22.39	22.25	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	13.98	14.19	14.17	15.40	16.10	16.31	15.98	16.90	22.36	22.51	22.23	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	13.62	13.55	13.70	14.90	15.40	15.60	15.51	16.40	21.96	21.90	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	13.66	13.71	13.57	14.90	15.69	15.55	15.47	16.40	21.89	21.88	21.76	22.50
3GPP Rel 6	HSUPA Subtest-1	14.08	14.18	14.04	15.40	16.08	16.12	16.08	16.90	22.45	22.48	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	11.95	12.14	12.02	13.40	14.03	14.10	13.74	14.90	20.38	20.51	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	13.10	13.06	13.06	14.40	15.04	15.17	14.85	15.90	21.46	21.46	21.26	22.00
3GPP Rel 6	HSUPA Subtest-4	12.02	12.17	12.14	13.40	14.24	14.03	13.97	14.90	20.33	20.38	20.27	21.00
3GPP Rel 6	HSUPA Subtest-5	14.09	14.13	14.00	15.40	15.90	16.03	15.84	16.90	22.42	22.38	22.35	23.00

















### Reduced Power Mode for Main PA ECI6

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	125	160		251	TX Channel	125	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.52	32.63	32.57	33.50	23.52	23.63	23.57	24.50
GPRS 1 Tx slot	32.35	32.50	32.46	33.50	23.35	23.50	23.46	24.50
GPRS 2 Tx slots	30.53	31.06	30.88	32.00	24.93	25.06	24.88	26.00
GPRS 3 Tx slots	28.90	29.22	29.01	30.00	24.64	24.96	24.75	25.74
GPRS 4 Tx slots	27.90	28.01	27.98	29.00	24.90	25.01	24.98	26.00
EDGE 1 Tx slot	27.05	27.13	27.08	27.50	18.05	18.13	18.08	18.50
EDGE 2 Tx slots	26.68	26.82	26.77	26.50	18.66	18.82	18.77	20.50
EDGE 3 Tx slots	23.43	23.56	23.49	24.50	16.17	16.30	16.23	20.24
EDGE 4 Tx slots	22.24	22.33	22.26	23.00	16.24	16.33	16.26	20.00

GSM1900 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	TX Channel	512	
Frequency (MHz)	1852.2	1860	1869.8		1852.2	1860	1869.8	
GSM 1 Tx slot	27.42	27.49	27.15	28.00	18.42	18.49	18.15	20.00
GPRS 1 Tx slot	27.26	27.40	27.19	29.00	18.26	18.40	18.19	20.00
GPRS 2 Tx slots	24.22	24.50	24.03	26.00	18.22	18.50	18.03	20.00
GPRS 3 Tx slots	22.66	22.75	22.61	24.00	18.40	18.49	18.35	19.74
GPRS 4 Tx slots	21.35	21.46	21.44	23.00	18.35	18.46	18.44	20.00
EDGE 1 Tx slot	25.62	25.65	25.58	26.50	16.62	16.65	16.58	17.50
EDGE 2 Tx slots	24.45	24.48	24.40	25.50	16.45	16.48	16.40	19.50
EDGE 3 Tx slots	22.05	22.12	22.09	23.50	17.79	17.86	17.83	19.24
EDGE 4 Tx slots	20.64	20.73	20.68	21.50	17.64	17.73	17.68	18.50

Band	TX Channel	WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			WCDMA V Ant 0			Tune-up Limit (dBm)	
		PA Channel	9562	9600		9638	PA Channel	1312	1413	1513	PA Channel		4192
Frequency (MHz)		9662	9600	9638		1312.4	1732.6	1752.6		4377	4407	4453	
3GPP Rel 99	AMR 12.2Kbps	18.49	18.54	18.44	19.50	20.26	20.31	20.22	21.40	23.34	23.40	23.19	24.00
3GPP Rel 99	AMR 12.2Kbps	18.53	18.57	18.48	19.50	20.36	20.38	20.30	21.40	23.36	23.45	23.23	24.00
3GPP Rel 6	HSDPA Subtest-1	17.54	17.64	17.54	18.50	19.21	19.41	19.10	20.40	22.43	22.35	22.16	23.00
3GPP Rel 6	HSDPA Subtest-2	17.55	17.72	17.42	18.50	19.32	19.39	19.25	20.40	22.40	22.33	22.21	23.00
3GPP Rel 6	HSDPA Subtest-3	17.03	17.16	17.05	18.00	18.60	18.80	18.68	19.90	21.90	21.94	21.84	22.50
3GPP Rel 6	HSDPA Subtest-4	17.05	17.32	17.05	18.00	18.79	18.73	18.50	19.90	21.77	21.86	21.86	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	17.48	17.63	17.67	18.50	19.17	19.27	19.26	20.40	22.38	22.41	22.17	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	17.62	17.67	17.54	18.50	19.27	19.25	19.14	20.40	22.29	22.41	22.21	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.06	17.13	17.18	18.00	18.74	18.78	18.72	19.90	21.76	21.97	21.77	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.14	17.04	17.22	18.00	18.83	18.75	18.62	19.90	21.83	21.83	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	17.50	17.65	17.54	18.50	19.13	19.26	19.30	20.40	22.35	22.32	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	15.64	15.49	15.51	16.50	17.39	17.34	17.15	18.40	20.30	20.50	20.16	21.00
3GPP Rel 6	HSUPA Subtest-3	18.56	18.57	18.55	17.50	18.33	18.28	18.29	19.40	21.43	21.38	21.15	22.00
3GPP Rel 6	HSUPA Subtest-4	15.50	15.52	15.57	16.50	17.23	17.47	17.22	18.40	20.36	20.46	20.16	21.00
3GPP Rel 6	HSUPA Subtest-5	17.55	17.64	17.63	18.50	19.33	19.32	19.04	20.40	22.43	22.48	22.23	23.00











Band 38 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 38 Ant 0.

Band 41 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 Ant 0.

Band 41 Ant 0 HPUE

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 Ant 0 HPUE.



Band	WCDMA Rev. A Rev. 1			Tune-up Limit (dBm)	WCDMA Rev. A Rev. 1			Tune-up Limit (dBm)	WCDMA Rev. A Rev. 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Tx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Rx Channel	9824	9960	1007.5	1712.4	1732.6	1762.6	458.4	458.4	448.6				
Frequency (MHz)	1852.4	1860	1867.5	1712.4	1732.6	1762.6	458.4	458.4	448.6				
3GPP Rel 99	AMR 12.2Kbps	18.63	18.75	18.66	20.00	19.92	20.02	19.98	21.10	23.51	23.42	23.29	24.00
3GPP Rel 99	RM-C 12.2Kbps	18.74	18.79	18.71	20.00	19.96	20.07	20.00	21.10	23.39	23.44	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	17.71	17.69	17.93	19.00	18.91	19.00	19.16	20.10	22.35	22.49	22.31	23.00
3GPP Rel 6	HSDPA Subtest-2	17.75	17.69	17.74	19.00	18.95	19.20	19.12	20.10	22.39	22.51	22.33	23.00
3GPP Rel 6	HSDPA Subtest-3	17.38	17.16	17.32	18.50	18.73	18.44	18.57	19.60	21.95	21.91	21.85	22.50
3GPP Rel 6	HSDPA Subtest-4	17.33	17.38	17.21	18.50	18.57	18.59	18.47	19.60	21.84	21.93	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	17.80	17.84	17.79	19.00	19.15	19.25	19.03	20.10	22.41	22.39	22.25	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	17.84	17.96	17.85	19.00	18.97	19.18	19.22	20.10	22.36	22.51	22.23	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.24	17.30	17.43	18.50	18.53	18.66	18.64	19.60	21.96	21.90	21.84	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.35	17.28	17.17	18.50	18.73	18.55	18.53	19.60	21.89	21.88	21.76	22.50
3GPP Rel 6	HSUPA Subtest-1	17.70	17.84	17.71	19.00	19.05	19.17	19.08	20.10	22.45	22.48	22.24	23.00
3GPP Rel 6	HSUPA Subtest-2	15.70	15.78	15.70	17.00	17.05	17.06	17.07	18.10	20.38	20.51	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	16.81	16.80	16.81	19.00	19.13	19.16	19.17	19.10	21.46	21.46	21.28	22.00
3GPP Rel 6	HSUPA Subtest-4	15.78	15.88	15.89	17.00	17.11	17.23	17.24	18.10	20.33	20.38	20.27	21.00
3GPP Rel 6	HSUPA Subtest-5	17.83	17.82	17.80	19.00	19.04	19.08	19.08	20.10	22.42	22.38	22.35	23.00

















### Reduced Power Mode for Main PA ECI7

GSM850 Airt 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	30.16	30.42	30.23	31.50	21.16	21.42	21.23	22.50
GPRS 1 Tx slot	29.98	30.22	30.26	31.50	20.98	21.22	21.26	22.50
GPRS 2 Tx slots	27.40	27.42	27.29	28.50	21.40	21.42	21.29	22.50
GPRS 3 Tx slots	25.05	25.09	25.67	26.50	21.39	21.43	21.41	22.24
GPRS 4 Tx slots	24.49	24.56	24.35	25.50	21.49	21.56	21.35	22.50
EDGE 1 Tx slot	27.05	27.13	27.06	27.50	18.05	18.13	18.08	18.50
EDGE 2 Tx slots	25.86	25.82	25.77	26.50	19.86	19.82	19.77	20.50
EDGE 3 Tx slots	23.43	23.56	23.49	24.50	19.17	19.30	19.23	20.24
EDGE 4 Tx slots	22.24	22.33	22.26	23.00	19.24	19.33	19.26	20.00

GSM1900 Airt 0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1809.8	1850.2	1860	1809.8	1850.2	1860
GSM 1 Tx slot	24.29	24.44	24.31	26.00	15.29	15.44	15.31	17.00
GPRS 1 Tx slot	24.30	24.41	24.27	26.00	15.30	15.41	15.27	17.00
GPRS 2 Tx slots	21.84	22.04	21.82	23.00	15.84	16.04	15.82	17.00
GPRS 3 Tx slots	19.89	20.02	19.90	21.00	15.63	15.76	15.64	16.74
GPRS 4 Tx slots	18.98	18.97	18.97	20.00	15.88	15.97	15.97	17.00
EDGE 1 Tx slot	24.71	24.67	24.72	26.00	15.71	15.67	15.72	17.00
EDGE 2 Tx slots	21.49	21.64	21.60	23.00	15.49	15.64	15.60	17.00
EDGE 3 Tx slots	19.41	19.40	19.53	21.00	15.15	15.14	15.27	16.74
EDGE 4 Tx slots	18.73	18.89	18.78	20.00	15.73	15.89	15.78	17.00

Band	WCDMA 8 Airt 0			Tune-up Limit (dBm)	WCDMA 4 Airt 0			WCDMA 5 Airt 0			Tune-up Limit (dBm)	
	9282	9400	9538		1312	1413	1513	4192	4162	4233		
TX Channel	9692	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1762.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2Kbps	14.83	14.91	14.87	16.30	17.10	17.27	17.25	18.50	23.34	23.40	23.19	24.00
3GPP Rel 99 AMR 12.2Kbps	14.85	14.93	14.91	16.30	17.21	17.29	17.12	18.50	23.29	23.45	23.23	24.00
3GPP Rel 6 HSDPA Subtest-1	13.73	13.94	13.76	15.30	15.98	16.21	15.98	17.50	22.43	22.35	22.16	23.00
3GPP Rel 6 HSDPA Subtest-2	13.76	13.95	13.71	15.30	16.15	16.31	15.98	17.50	22.40	22.33	22.21	23.00
3GPP Rel 6 HSDPA Subtest-3	13.48	13.31	13.30	14.80	15.77	15.61	15.57	17.00	21.90	21.94	21.64	22.50
3GPP Rel 6 HSDPA Subtest-4	13.27	13.43	13.24	14.80	15.55	15.64	15.52	17.00	21.77	21.88	21.88	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	13.96	13.86	13.86	15.30	16.16	16.23	16.10	17.50	22.36	22.41	22.17	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	13.93	13.94	13.89	15.30	16.13	16.18	16.25	17.50	22.29	22.41	22.21	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	13.43	13.37	13.42	14.80	15.76	15.70	15.68	17.00	21.76	21.67	21.77	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	13.36	13.44	13.45	14.80	15.64	15.73	15.72	17.00	21.83	21.83	21.77	22.50
3GPP Rel 6 HSUPA Subtest-1	13.97	13.97	13.90	15.30	16.33	16.19	16.10	17.50	22.35	22.32	22.24	23.00
3GPP Rel 6 HSUPA Subtest-2	11.75	11.95	11.86	13.30	14.13	14.28	14.08	15.50	20.30	20.50	20.16	21.00
3GPP Rel 6 HSUPA Subtest-3	12.87	12.85	12.78	14.30	15.11	15.24	15.12	16.50	21.43	21.38	21.15	22.00
3GPP Rel 6 HSUPA Subtest-4	11.78	11.73	11.78	13.20	14.13	13.94	14.05	15.50	20.36	20.46	20.16	21.00
3GPP Rel 6 HSUPA Subtest-5	13.95	13.77	13.95	15.30	16.22	16.08	16.26	17.50	22.43	22.48	22.23	23.00







Band 17 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 17.

Band 26 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 26.

Band 66 Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 66.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 17.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 26.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 66.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 17.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 26.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turn-up (dB), MPR (dB). Contains frequency allocation data for Band 66.





Band	WCDMA R Rev 1			Tune-up Limit (dBm)	WCDMA R/ Rev 1			Tune-up Limit (dBm)	WCDMA V Rev 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1415	1513		4132	4182	4233		
Tx Channel	9662	9800	9938	1637	1638	1738	4357	4407	4458				
Rx Channel	1852.4	1880	1907.6	1712.4	1732.6	1762.6	436.4	436.4	446.6				
Frequency (MHz)													
3GPP Rel 99	AMR 12.2Kbps	13.61	13.65	13.53	14.60	15.05	15.13	15.09	16.10	21.76	21.79	21.79	22.50
3GPP Rel 99	RM-C 12.2Kbps	13.64	13.69	13.67	14.60	15.06	15.19	15.12	16.10	21.80	21.83	21.81	22.50
3GPP Rel 6	HSDPA Subtest-1	12.43	12.56	12.49	13.60	13.93	14.00	13.89	15.10	20.82	20.96	20.90	21.50
3GPP Rel 6	HSDPA Subtest-2	12.37	12.69	12.47	13.60	13.93	14.23	13.92	15.10	21.03	21.09	20.90	21.50
3GPP Rel 6	HSDPA Subtest-3	12.21	11.98	11.97	13.10	13.78	13.57	13.38	14.60	20.45	20.46	20.23	21.00
3GPP Rel 6	HSDPA Subtest-4	12.00	12.11	12.00	13.10	13.46	13.64	13.57	14.60	20.36	20.50	20.37	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	12.67	12.69	12.64	13.60	14.16	14.02	14.11	15.10	20.97	20.83	20.84	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	12.71	12.69	12.49	13.60	14.29	14.29	13.94	15.10	21.05	20.91	20.59	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	12.21	11.98	12.18	13.10	13.61	13.44	13.68	14.60	20.58	20.46	20.21	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	12.03	12.12	12.08	13.10	13.61	13.54	13.58	14.60	20.29	20.49	20.22	21.00
3GPP Rel 6	HSUPA Subtest-1	12.73	12.63	12.59	13.60	14.24	14.20	14.07	15.10	21.05	20.90	20.84	21.50
3GPP Rel 6	HSUPA Subtest-2	10.42	10.73	10.51	11.60	12.00	12.17	11.91	13.10	18.78	18.06	18.03	19.50
3GPP Rel 6	HSUPA Subtest-3	11.65	11.56	11.50	12.60	13.08	13.16	12.88	14.10	20.07	20.00	19.74	20.50
3GPP Rel 6	HSUPA Subtest-4	10.50	10.41	10.44	11.60	12.00	12.01	11.90	13.10	18.85	18.87	18.97	19.50
3GPP Rel 6	HSUPA Subtest-5	12.67	12.63	12.74	13.60	14.17	14.04	14.26	15.10	20.87	20.81	20.79	21.50























Band 38 Ant 1 Other PA

Channel	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Frequency (MHz)	37950	38000	38150				
20 QPSK 1	22.67	22.78	22.72	24	1.33	1.22	0.30
20 QPSK 1	22.76	22.86	22.81	20	1.49	1.24	0.30
20 QPSK 1	22.56	22.77	22.48	20	1.52	1.29	0.30
20 QPSK 50	21.55	21.59	21.52	23	1.48	1.41	0.29
20 QPSK 50	21.48	21.46	21.54	20	1.54	1.46	0.29
20 QPSK 50	21.45	21.57	21.30	23	1.70	1.43	0.30
20 QPSK 100	21.53	21.73	21.41	20	1.59	1.27	0.32
20 16QAM 1	21.43	21.49	21.51	20	1.57	1.49	0.30
20 16QAM 1	21.53	21.57	21.45	23	1.57	1.43	0.30
20 16QAM 1	21.57	21.73	21.47	20	1.53	1.27	0.29
20 16QAM 50	20.39	20.48	20.39	22	1.61	1.52	0.44
20 16QAM 50	20.27	20.49	20.71	20	1.73	1.29	0.44
20 16QAM 50	20.45	20.60	20.57	20	1.55	1.40	0.30
20 16QAM 100	20.52	20.22	20.51	20	1.78	1.48	0.30
20 8QAM 1	20.62	20.38	20.44	22	1.62	1.38	0.28
20 8QAM 1	20.55	20.46	20.62	22	1.54	1.38	0.28
20 8QAM 1	20.34	20.60	20.57	20	1.66	1.40	0.28
20 8QAM 50	19.56	19.27	19.29	21	1.73	1.44	0.39
20 8QAM 50	19.23	19.43	19.54	20	1.77	1.46	0.39
20 8QAM 50	19.49	19.52	19.43	20	1.57	1.38	0.30
20 8QAM 100	19.49	19.40	19.19	20	1.81	1.51	0.30
20 256QAM 1	17.43	17.35	17.38	19	1.65	1.57	0.42
20 256QAM 1	17.45	17.27	17.49	19	1.73	1.51	0.42
20 256QAM 1	17.42	17.69	17.43	19	1.58	1.31	0.25
20 256QAM 50	17.43	17.37	17.40	19	1.60	1.43	0.25
20 256QAM 50	17.43	17.43	17.41	19	1.59	1.57	0.25
20 256QAM 50	17.32	17.47	17.41	19	1.68	1.53	0.25
20 256QAM 100	17.57	17.42	17.48	19	1.58	1.43	0.15

Band 41 Ant 1 Other PA

Channel	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Frequency (MHz)	39750	40165	40620				
20 QPSK 1	22.84	22.81	22.86	24	1.39	1.05	0.36
20 QPSK 1	22.89	22.75	22.73	20	1.27	1.11	0.36
20 QPSK 1	22.84	22.74	22.84	23	1.47	1.02	0.45
20 QPSK 50	21.78	21.75	21.85	20	1.45	1.04	0.45
20 QPSK 50	21.73	21.93	21.87	23	1.49	1.07	0.45
20 QPSK 50	21.72	21.84	21.94	20	1.49	1.06	0.45
20 QPSK 100	21.71	21.55	21.84	20	1.51	1.16	0.35
20 16QAM 1	21.78	21.60	21.98	20	1.47	1.02	0.50
20 16QAM 1	21.85	21.53	21.88	20	1.47	1.12	0.50
20 16QAM 1	21.78	21.81	21.97	20	1.52	1.03	0.47
20 16QAM 50	20.87	20.83	20.92	20	1.49	1.08	0.47
20 16QAM 50	20.80	20.45	20.88	20	1.55	1.12	0.47
20 16QAM 50	20.50	20.55	20.86	20	1.45	1.10	0.49
20 16QAM 100	20.88	20.52	20.79	20	1.55	1.06	0.49
20 64QAM 1	20.71	20.56	20.81	20	1.44	1.27	0.24
20 64QAM 1	20.71	20.67	20.69	20	1.33	1.28	0.24
20 64QAM 1	20.49	20.58	20.63	20	1.51	1.34	0.24
20 64QAM 50	19.55	19.30	19.54	20	1.70	1.45	0.41
20 64QAM 50	20.77	19.27	19.67	20	1.74	1.33	0.41
20 64QAM 50	19.34	19.58	19.28	20	1.72	1.42	0.41
20 64QAM 100	19.63	19.31	19.69	20	1.69	1.31	0.38
20 256QAM 1	17.33	17.52	17.62	17	1.67	1.38	0.38
20 256QAM 1	17.57	17.50	17.48	19	1.52	1.36	0.38
20 256QAM 1	17.45	17.51	17.66	19	1.55	1.31	0.38
20 256QAM 50	17.49	17.59	17.59	19	1.60	1.33	0.41
20 256QAM 50	17.40	17.62	17.51	19	1.72	1.38	0.38
20 256QAM 50	17.38	17.66	17.62	19	1.62	1.34	0.38
20 256QAM 100	17.51	17.25	17.38	19	1.90	1.49	0.41





Reduced Power Mode for Other PA EC12

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Ch. Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 4 Ant 0 Other PA, Band 7 Ant 0 Other PA, Band 66 Ant 0 Other PA.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Ch. Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 4 Ant 0 Other PA, Band 7 Ant 0 Other PA, Band 66 Ant 0 Other PA.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Ch. Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 4 Ant 0 Other PA, Band 7 Ant 0 Other PA, Band 66 Ant 0 Other PA.









Reduced Power Mode for Other PA EC13

Table for Band 4 Ant 0 Other PA. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Level (20090, 20175, 20350), Power Ch. Freq., Power High Freq., Turn-up limit (dB), and MPR (dB). Rows list various combinations of QPSK, 16QAM, and 256QAM at different power levels and RB configurations.

Table for Band 7 Ant 0 Other PA. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Level (20090, 20100, 20350), Power Ch. Freq., Power High Freq., Turn-up limit (dB), and MPR (dB). Rows list various combinations of QPSK, 16QAM, and 256QAM at different power levels and RB configurations.

Table for Band 66 Ant 0 Other PA. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Level (13070, 13100, 13270), Power Ch. Freq., Power High Freq., Turn-up limit (dB), and MPR (dB). Rows list various combinations of QPSK, 16QAM, and 256QAM at different power levels and RB configurations.











Reduced Power Mode for Other PA EC16

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 4 Ant 0 Other PA, Channel, Frequency (MHz), and various modulation types (QPSK, 16QAM, 64QAM, 256QAM).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 7 Ant 0 Other PA, Channel, Frequency (MHz), and various modulation types (QPSK, 16QAM, 64QAM, 256QAM).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Level, Power Ch. Freq., Power High Freq., Turn-up limit (dBm), MPR (dB). Sub-headers: Band 66 Ant 0 Other PA, Channel, Frequency (MHz), and various modulation types (QPSK, 16QAM, 64QAM, 256QAM).



### Band 38 Ant 0 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37850	38000	38150		
20	QPSK	1	0	21.15	21.19	21.09	22	0
20	QPSK	1	49	21.13	21.11	21.08		
20	QPSK	1	99	21.06	21.04	21.04	22	0
20	QPSK	50	0	21.03	21.17	21.04		
20	QPSK	50	24	21.00	21.09	20.95	22	0
20	QPSK	50	50	20.99	21.01	21.01		
20	QPSK	100	0	20.98	21.10	20.94	22	0
20	16QAM	1	0	21.00	21.14	21.02		
20	16QAM	1	49	21.09	21.02	20.95	22	0
20	16QAM	1	99	21.10	21.04	21.02		
20	16QAM	50	0	19.71	19.80	19.78	21	1
20	16QAM	50	24	19.53	19.90	19.72		
20	16QAM	50	50	19.77	19.99	19.89	21	1
20	16QAM	100	0	19.83	20.03	19.58		
20	64QAM	1	0	19.55	19.78	19.87	21	1
20	64QAM	1	49	19.50	19.78	19.46		
20	64QAM	1	99	19.41	19.79	19.55	20	2
20	64QAM	50	0	18.81	18.89	18.64		
20	64QAM	50	24	18.66	18.79	18.53	20	2
20	64QAM	50	50	18.66	18.86	18.79		
20	64QAM	100	0	18.77	18.84	18.69	18	4
20	256QAM	1	0	17.02	16.98	16.93		
20	256QAM	1	49	16.86	17.16	16.87	18	4
20	256QAM	1	99	16.89	17.24	16.88		
20	256QAM	50	0	17.01	17.09	16.92	18	4
20	256QAM	50	24	17.01	16.74	17.03		
20	256QAM	50	50	17.00	16.92	17.08	20	2
20	256QAM	100	0	17.17	17.05	17.09		
Channel								
Frequency (MHz)				37825	38000	38175		
15	QPSK	1	0	21.14	21.10	21.08	22	0
15	QPSK	1	37	21.01	21.02	20.92		
15	QPSK	1	74	20.92	20.93	20.88	22	0
15	QPSK	36	0	20.95	21.13	20.96		
15	QPSK	36	20	20.99	21.02	20.83	22	0
15	QPSK	36	39	20.91	20.96	20.92		
15	QPSK	75	0	20.96	21.05	20.85	22	0
15	16QAM	1	0	20.86	21.07	20.96		
15	16QAM	1	37	21.02	20.92	20.80	22	0
15	16QAM	1	74	20.94	20.96	21.00		
15	16QAM	36	0	19.59	19.78	19.77	21	1
15	16QAM	36	20	19.40	19.99	19.51		
15	16QAM	36	39	19.61	19.79	19.68	21	1
15	16QAM	75	0	19.65	19.91	19.43		
15	64QAM	1	0	19.35	19.78	19.80	21	1
15	64QAM	1	37	19.32	19.57	19.49		
15	64QAM	1	74	19.11	19.75	19.44	20	2
15	64QAM	36	0	18.60	18.87	18.57		
15	64QAM	36	20	18.56	18.66	18.48	20	2
15	64QAM	36	39	18.46	18.68	18.60		
15	64QAM	75	0	18.60	18.67	18.63	18	4
15	256QAM	1	0	16.81	16.77	16.92		
15	256QAM	1	37	16.70	16.89	16.72	18	4
15	256QAM	1	74	16.71	17.11	16.84		
15	256QAM	36	0	16.81	17.10	16.85	18	4
15	256QAM	36	20	16.89	16.83	17.03		
15	256QAM	36	39	16.93	16.88	16.99	20	2
15	256QAM	75	0	17.09	17.03	17.08		
Channel								
Frequency (MHz)				37800	38000	38200		
10	QPSK	1	0	21.13	21.14	20.98	22	0
10	QPSK	1	25	20.98	21.01	20.96		
10	QPSK	1	49	20.95	20.96	20.95	22	0
10	QPSK	25	0	21.01	21.15	21.03		
10	QPSK	25	12	20.92	21.03	20.79	22	0
10	QPSK	25	25	20.98	20.89	20.90		
10	QPSK	50	0	20.84	21.03	20.90	22	0
10	16QAM	1	0	20.93	20.98	20.90		
10	16QAM	1	25	21.06	20.97	20.94	22	0
10	16QAM	1	49	20.95	20.92	20.95		
10	16QAM	25	0	19.72	19.62	19.70	21	1
10	16QAM	25	12	19.59	19.76	19.88		
10	16QAM	25	25	19.64	19.96	19.65	21	1
10	16QAM	50	0	19.66	19.85	19.52		
10	64QAM	1	0	19.41	19.82	19.66	21	1
10	64QAM	1	25	19.35	19.57	19.63		
10	64QAM	1	49	19.34	19.72	19.43	20	2
10	64QAM	25	0	18.73	18.75	18.59		
10	64QAM	25	12	18.59	18.63	18.45	20	2
10	64QAM	25	25	18.61	18.87	18.51		
10	64QAM	50	0	18.66	18.82	18.69	18	4
10	256QAM	1	0	16.99	16.89	16.74		
10	256QAM	1	25	16.84	16.97	16.77	18	4
10	256QAM	1	49	16.81	17.13	16.90		
10	256QAM	25	0	16.90	16.97	16.86	18	4
10	256QAM	25	12	16.84	16.92	16.93		
10	256QAM	25	25	16.85	16.92	17.10	20	2
10	256QAM	50	0	17.07	16.99	16.92		
Channel								
Frequency (MHz)				37775	38000	38225		
5	QPSK	1	0	21.08	21.04	21.01	22	0
5	QPSK	1	12	20.97	20.99	20.90		
5	QPSK	1	24	20.97	20.98	20.98	22	0
5	QPSK	12	0	20.91	20.99	20.98		
5	QPSK	12	7	20.96	20.95	20.84	22	0
5	QPSK	12	13	20.92	20.97	20.97		
5	QPSK	25	0	20.82	20.98	20.91	22	0
5	16QAM	1	0	20.85	21.04	21.01		
5	16QAM	1	12	21.06	20.89	20.89	22	0
5	16QAM	1	24	20.99	20.91	20.98		
5	16QAM	12	0	19.65	19.61	19.56	21	1
5	16QAM	12	7	19.47	19.73	19.89		
5	16QAM	12	13	19.59	19.88	19.57	21	1
5	16QAM	25	0	19.83	19.98	19.59		
5	64QAM	1	0	19.54	19.73	19.80	21	1
5	64QAM	1	12	19.71	19.70	19.64		
5	64QAM	1	24	19.34	19.78	19.46	20	2
5	64QAM	12	0	18.64	18.75	18.59		
5	64QAM	12	7	18.61	18.76	18.44	20	2
5	64QAM	12	13	18.62	18.65	18.78		
5	64QAM	25	0	18.75	18.65	18.51	18	4
5	256QAM	1	0	16.96	16.83	16.94		
5	256QAM	1	12	16.90	17.01	16.99	18	4
5	256QAM	1	24	16.71	17.20	16.76		
5	256QAM	12	0	16.79	16.94	16.74	18	4
5	256QAM	12	7	16.96	16.68	16.86		
5	256QAM	12	13	16.90	16.80	17.08	20	2
5	256QAM	25	0	17.09	16.98	16.88		

### Band 41 Ant 0 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				39750	40185	40620		
20	QPSK	1	0	21.97	22.01	22.03	23	0
20	QPSK	1	49	21.88	21.73	21.82		
20	QPSK	1	99	21.85	21.86	21.91	22	1
20	QPSK	50	0	20.71	20.76	20.78		
20	QPSK	50	24	20.47	20.42	20.60	22	1
20	QPSK	50	50	20.63	20.51	20.64		
20	QPSK	100	0	20.52	20.51	20.60	22	1
20	16QAM	1	0	20.68	20.56	20.78		
20	16QAM	1	49	20.60	20.75	20.74	22	1
20	16QAM	1	99	20.56	20.51	20.69		
20	16QAM	50	0	19.68	19.76	19.89	21	2
20	16QAM	50	24	19.66	19.77	19.80		
20	16QAM	50	50	19.75	19.75	19.80	21	2
20	16QAM	100	0	19.64	19.51	19.67		
20	64QAM	1	0	19.89	19.93	19.93	21	2
20	64QAM	1	49	19.55	19.54	19.73		
20	64QAM	1	99	19.51	19.49	19.58	20	3
20	64QAM	50	0	18.43	18.39	18.55		
20	64QAM	50	24	18.74	18.63	18.75	20	3
20	64QAM	50	50	18.67	18.93	18.86		
20	64QAM	100	0	18.62	18.66	18.81	18	5
20	256QAM	1	0	16.82	16.76	16.82		
20	256QAM	1	49	16.58	16.58	16.60	18	5
20	256QAM	1	99	16.63	16.49	16.70		
20	256QAM	50	0	16.42	16.57	16.63	18	5
20	256QAM	50	24	16.61	16.62	16.77		
20	256QAM	50	50	16.				



Band 4 Ant 1 Other PA										
RV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up Init. (dB)	MPR (dB)		
Channel: 1712.5 1742.5										
20	QPSK	1	0	19.70	19.91	19.93		20.9	0	
20	QPSK	1	49	19.64	19.79	19.81				
20	QPSK	50	0	19.73	19.79	19.87				
20	QPSK	50	24	19.72	19.72	19.81				
20	QPSK	50	50	19.63	19.69	19.78				
20	QPSK	100	0	19.82	19.71	19.78				
20	QPSK	100	24	19.72	19.81	19.84				
20	HQAM	1	49	19.69	19.84	19.88		20.9	0	
20	HQAM	1	99	19.74	19.81	19.71				
20	HQAM	50	0	19.76	19.87	19.97				
20	HQAM	50	24	19.71	19.79	19.88				
20	HQAM	50	50	19.62	19.81	19.84				
20	HQAM	100	0	19.82	19.90	19.92				
20	HQAM	100	24	19.66	19.73	19.86				
20	HQAM	100	50	19.69	19.81	19.71				
20	HQAM	1	49	19.69	19.81	19.71		20.9	0	
20	HQAM	1	99	19.59	19.84	19.92				
20	HQAM	50	0	19.64	19.83	19.83				
20	HQAM	50	24	19.64	19.86	19.91				
20	HQAM	50	50	19.64	19.76	19.81				
20	HQAM	100	0	19.64	19.78	19.88				
20	HQAM	100	24	19.57	19.75	19.84				
20	HQAM	100	50	19.58	19.74	19.86				
20	HQAM	1	49	19.58	19.81	19.86		19.9	1.9	
20	HQAM	1	99	19.48	19.74	19.86				
20	HQAM	50	0	19.64	19.78	19.88				
20	HQAM	50	24	19.62	19.80	19.92				
20	HQAM	50	50	19.54	19.78	19.88				
20	HQAM	100	0	19.62	19.80	19.92				
20	HQAM	100	24	19.58	19.83	19.95				
20	HQAM	100	50	19.54	19.78	19.88				
20	HQAM	1	49	19.58	19.81	19.71		20.9	0	
20	HQAM	1	99	19.52	19.84	19.95				
20	HQAM	50	0	19.54	19.78	19.88				
20	HQAM	50	24	19.62	19.80	19.95				
20	HQAM	50	50	19.54	19.78	19.88				
20	HQAM	100	0	19.62	19.80	19.92				
20	HQAM	100	24	19.58	19.83	19.95				
20	HQAM	100	50	19.54	19.78	19.88				
20	HQAM	1	49	19.58	19.81	19.71		20.9	0	
20	HQAM	1	99	19.52	19.84	19.95				
20	HQAM	50	0	19.54	19.78	19.88				
20	HQAM	50	24	19.62	19.80	19.95				
20	HQAM	50	50	19.54	19.78	19.88				
20	HQAM	100	0	19.62	19.80	19.92				
20	HQAM	100	24	19.58	19.83	19.95				
20	HQAM	100	50	19.54	19.78	19.88				
Channel: 1717.5 1747.5										
15	QPSK	1	0	19.64	19.76	19.73		20.9	0	
15	QPSK	1	49	19.58	19.84	19.92				
15	QPSK	1	99	19.47	19.76	19.87				
15	QPSK	50	0	19.68	19.78	19.82				
15	QPSK	50	24	19.64	19.80	19.85				
15	QPSK	50	50	19.48	19.87	19.77				
15	QPSK	75	0	19.63	19.79	19.86				
15	QPSK	75	24	19.63	19.73	19.85				
15	HQAM	1	37	19.54	19.82	19.88		20.9	0	
15	HQAM	1	87	19.61	19.76	19.87				
15	HQAM	36	0	19.48	19.40	19.91				
15	HQAM	36	20	19.52	19.83	19.84				
15	HQAM	36	36	19.52	19.87	19.86				
15	HQAM	75	0	19.58	19.71	19.81				
15	HQAM	1	0	19.63	19.89	19.89		20.9	0	
15	HQAM	1	99	19.52	19.87	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				
15	HQAM	75	0	19.47	19.74	19.86		20.9	0	
15	HQAM	75	24	19.58	19.79	19.81				
15	HQAM	75	50	19.47	19.81	19.86				
15	HQAM	1	49	19.58	19.78	19.88		19.9	1.9	
15	HQAM	1	99	19.52	19.84	19.92				
15	HQAM	36	0	19.41	19.62	19.45				
15	HQAM	36	20	19.52	19.87	19.81				
15	HQAM	36	36	19.52	19.84	19.81				



Band 38 Ant 1 Other PA										
BW (MHz)	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	18.74	18.84	18.78	20	0		
20	QPSK	1	49	18.64	18.81	18.87				
20	QPSK	1	99	18.67	18.76	18.78				
20	QPSK	50	0	18.70	18.82	18.82				
20	QPSK	50	24	18.73	18.80	18.75				
20	QPSK	50	50	18.70	18.71	18.61				
20	QPSK	100	0	18.58	18.74	18.65				
20	16QAM	1	0	18.60	18.80	18.84				
20	16QAM	1	49	18.55	18.81	18.74				
20	16QAM	1	99	18.66	18.69	18.64				
20	16QAM	50	0	18.57	18.74	18.69				
20	16QAM	50	24	18.69	18.69	18.62				
20	16QAM	50	50	18.68	18.68	18.66				
20	16QAM	100	0	18.53	18.71	18.63				
20	64QAM	1	0	18.57	18.70	18.76				
20	64QAM	1	49	18.66	18.77	18.74				
20	64QAM	1	99	18.68	18.80	18.75				
20	64QAM	50	0	18.66	18.80	18.82				
20	64QAM	50	24	18.55	18.72	18.84				
20	64QAM	50	50	18.66	18.65	18.74				
20	64QAM	100	0	18.61	18.79	18.83				
20	256QAM	1	0	17.43	17.35	17.38				
20	256QAM	1	49	17.45	17.27	17.49				
20	256QAM	1	99	17.42	17.69	17.43				
20	256QAM	50	0	17.43	17.57	17.40				
20	256QAM	50	24	17.43	17.43	17.41				
20	256QAM	50	50	17.32	17.47	17.41				
20	256QAM	100	0	17.57	17.42	17.48				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25775	2592	2612				
15	QPSK	1	0	18.71	18.76	18.59	20	0		
15	QPSK	1	37	18.59	18.63	18.60				
15	QPSK	1	74	18.62	18.57	18.58				
15	QPSK	36	0	18.64	18.64	18.57				
15	QPSK	36	20	18.55	18.73	18.57				
15	QPSK	36	39	18.69	18.68	18.59				
15	QPSK	75	0	18.51	18.61	18.51				
15	16QAM	1	0	18.43	18.62	18.61				
15	16QAM	1	37	18.46	18.68	18.72				
15	16QAM	1	74	18.64	18.51	18.45				
15	16QAM	36	0	18.53	18.62	18.56				
15	16QAM	36	20	18.54	18.55	18.44				
15	16QAM	36	39	18.53	18.56	18.63				
15	16QAM	75	0	18.52	18.68	18.57				
15	64QAM	1	0	18.43	18.56	18.74				
15	64QAM	1	37	18.56	18.72	18.84				
15	64QAM	1	74	18.53	18.62	18.55				
15	64QAM	36	0	18.53	18.62	18.55				
15	64QAM	36	20	18.54	18.70	18.45				
15	64QAM	36	39	18.64	18.55	18.60				
15	64QAM	75	0	18.48	18.76	18.55				
15	256QAM	1	0	17.33	17.31	17.26				
15	256QAM	1	37	17.25	17.15	17.30				
15	256QAM	1	74	17.43	17.58	17.28				
15	256QAM	36	0	17.35	17.39	17.36				
15	256QAM	36	20	17.29	17.24	17.27				
15	256QAM	36	39	17.23	17.45	17.39				
15	256QAM	75	0	17.45	17.29	17.37				
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	18.66	18.68	18.72	20	0		
10	QPSK	1	25	18.56	18.68	18.61				
10	QPSK	1	49	18.48	18.65	18.69				
10	QPSK	25	0	18.67	18.68	18.46				
10	QPSK	25	12	18.62	18.72	18.61				
10	QPSK	25	25	18.68	18.60	18.47				
10	QPSK	50	0	18.55	18.63	18.52				
10	16QAM	1	0	18.50	18.67	18.48				
10	16QAM	1	25	18.37	18.70	18.60				
10	16QAM	1	49	18.60	18.55	18.54				
10	16QAM	25	0	18.53	18.69	18.55				
10	16QAM	25	12	18.67	18.59	18.48				
10	16QAM	25	25	18.59	18.57	18.56				
10	16QAM	50	0	18.36	18.61	18.49				
10	64QAM	1	0	18.50	18.62	18.74				
10	64QAM	1	25	18.52	18.72	18.58				
10	64QAM	1	49	18.53	18.66	18.68				
10	64QAM	25	0	18.57	18.69	18.46				
10	64QAM	25	12	18.44	18.68	18.57				
10	64QAM	25	25	18.56	18.55	18.72				
10	64QAM	50	0	18.48	18.67	18.45				
10	256QAM	1	0	17.31	17.15	17.33				
10	256QAM	1	25	17.45	17.23	17.39				
10	256QAM	1	49	17.28	17.48	17.34				
10	256QAM	25	0	17.41	17.53	17.19				
10	256QAM	25	12	17.22	17.28	17.38				
10	256QAM	25	25	17.22	17.42	17.36				
10	256QAM	50	0	17.38	17.27	17.46				
Channel				37775	38000	38225			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25725	2595	26175				
5	QPSK	1	0	18.64	18.62	18.68	20	0		
5	QPSK	1	12	18.49	18.65	18.57				
5	QPSK	1	24	18.62	18.58	18.74				
5	QPSK	12	0	18.68	18.72	18.60				
5	QPSK	12	7	18.71	18.65	18.65				
5	QPSK	12	13	18.55	18.68	18.49				
5	QPSK	25	0	18.53	18.72	18.46				
5	16QAM	1	0	18.48	18.72	18.50				
5	16QAM	1	12	18.49	18.75	18.69				
5	16QAM	1	24	18.47	18.52	18.49				
5	16QAM	12	0	18.40	18.71	18.58				
5	16QAM	12	7	18.57	18.61	18.47				
5	16QAM	12	13	18.51	18.64	18.50				
5	16QAM	25	0	18.47	18.64	18.59				
5	64QAM	1	0	18.54	18.67	18.72				
5	64QAM	1	12	18.49	18.64	18.69				
5	64QAM	1	24	18.58	18.67	18.66				
5	64QAM	12	0	18.51	18.77	18.48				
5	64QAM	12	7	18.52	18.59	18.59				
5	64QAM	12	13	18.48	18.52	18.61				
5	64QAM	25	0	18.56	18.70	18.59				
5	256QAM	1	0	17.43	17.18	17.38				
5	256QAM	1	12	17.23	17.28	17.37				
5	256QAM	1	24	17.35	17.60	17.26				
5	256QAM	12	0	17.31	17.47	17.26				
5	256QAM	12	7	17.39	17.21	17.26				
5	256QAM	12	13	17.25	17.30	17.43				
5	256QAM	25	0	17.42	17.27	17.37				

Band 41 Ant 1 Other PA								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490
Frequency (MHz)				2566	2569.5	2593	2636.5	2680
20	QPSK	1	0	21.42	21.31	21.50	21.28	21.39
20	QPSK	1	49	21.38	21.30	21.34	21.17	21.26
20	QPSK	1	99	21.35	21.26	21.31	21.23	21.22
20	QPSK	50	0	21.32	21.23	21.39	21.11	21.38
20	QPSK	50	24	21.25	21.28	21.34	21.20	21.26
20	QPSK	50	50	21.31	21.17	21.38	21.19	21.31
20	QPSK	100	0	21.36	21.14	21.37	21.15	21.22
20	16QAM	1	0	21.34	21.13	21.43	21.14	21.23
20	16QAM	1	49	21.26	21.14	21.46	21.20	21.35
20	16QAM	1	99	21.25	21.12	21.47	21.14	21.28
20	16QAM	50	0	20.87	20.83	20.92	20.51	20.83
20	16QAM	50	24	20.80	20.45	20.88	20.84	20.86
20	16QAM	50	50	20.90	20.55	20.86	20.62	20.89
20	16QAM	100	0	20.88	20.52	20.79	20.45	20.94
20	64QAM	1	0	20.71	20.56	20.73	20.61	20.67
20	64QAM	1	49	20.71	20.67	20.69	20.71	20.72
20	64QAM	1	99	20.49	20.58	20.63	20.63	20.66
20	64QAM	50	0	19.55	19.30	19.54	19.38	19.54
20	64QAM	50	24	18.97	18.27	18.67	18.26	18.46
20	64QAM	50	50	19.34	19.58	19.53	19.28	19.43
20	64QAM	100	0	19.63	19.31	19.69	19.46	19.33
20	256QAM	1	0	17.33	17.52	17.62	17.47	17.58
20	256QAM	1	49	17.57	17.50	17.48	17.57	17.64
20	256QAM	1	99	17.45	17.51	17.66	17.53	17.89
20	256QAM	50	0	17.49	17.59	17.59	17.51	17.52
20	256QAM	50	24	17.40	17.62	17.51	17.28	17.57
20	256QAM	50	50	17.38	17.66	17.62	17.66	17.48
20	256QAM	100	0	17.51	17.25	17.38	17.10	17.48
Channel				39725	40173	40620	41088	41516
Frequency (MHz)				2563.5	2563	2637	2637	2682
15	QPSK	1	0	21.34	21.29	21.32	21.25	21.36
15	QPSK	1	37	21.33	21.21	21.28	21.14	21.07
15	QPSK	1	74	21.27	21.15	21.25	21.21	21.12
15	QPSK	36	0	21.24	21.20	21.34	20.84	21.28
15	QPSK	36	20	21.15	21.16	21.30	21.06	21.20
15	QPSK	36	39	21.29	21.00	21.20	21.04	21.13
15	QPSK	75	0	21.33	20.97	21.32	21.08	21.18
15	16QAM	1	0	21.20	21.06	21.33	21.11	21.21
15	16QAM	1	37	21.16	21.08	21.45	21.06	21.28
15	16QAM	1	74	21.14	21.07	21.33	21.03	21.13
15	16QAM	36	0	20.77	20.86	20.75	20.34	20.68
15	16QAM	36	20	20.72	20.43	20.72	20.82	20.60
15	16QAM	36	39	20.79	20.40	20.79	20.47	20.77
15	16QAM	75	0	20.80	20.45	20.63	20.38	20.77
15	64QAM	1	0	20.71	20.47	20.65	20.58	20.65
15	64QAM	1	37	20.70	20.58	20.53	20.69	20.62
15	64QAM	1	74	20.33	20.57	20.62	20.45	20.48
15	64QAM	36	0	19.47	19.28	19.42	19.33	19.54
15	64QAM	36	20	19.29	19.08	19.48	19.13	19.31
15	64QAM	36	39	19.15	19.49	19.51	19.22	19.23
15	64QAM	75	0	18.44	19.28	19.63	19.28	19.23
15	256QAM	1	0	17.27	17.47	17.44	17.38	17.53
15	256QAM	1	37	17.53	17.42	17.53	17.44	1



Reduced Power Mode for Other PA IC7

**Band 4 Ant 0 Other PA**

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 Freq. (MHz)	Power Level Ch. 2 Freq. (MHz)	Power Level Ch. 3 Freq. (MHz)	Turn-up time (dB)	MPR (dB)
<b>Channel 1</b>								
Frequency (MHz)								
20	QPSK	1	0	16.32	16.49	16.43		
20	QPSK	1	49	16.36	16.38	16.25	17.7	0
20	QPSK	1	99	16.41	16.37	16.25		
20	QPSK	50	0	16.27	15.42	15.25		
20	QPSK	50	24	16.26	16.25	16.18	17.7	0
20	QPSK	50	49	16.32	16.33	16.26		
20	QPSK	100	0	16.14	16.38	16.25		
20	HQAM	1	0	16.26	16.43	16.21		
20	HQAM	1	49	16.26	16.19	16.25	17.7	0
20	HQAM	1	99	16.34	16.35	16.25		
20	HQAM	50	0	16.29	16.37	16.40		
20	HQAM	50	24	16.33	16.29	16.26	17.7	0
20	HQAM	50	49	16.21	16.38	16.23		
20	HQAM	100	0	16.26	16.39	16.20		
20	HQAM	100	0	16.26	16.19	16.25		
20	HQAM	1	49	16.24	16.24	16.26	17.7	0
20	HQAM	1	99	16.19	16.39	16.25		
20	HQAM	50	24	16.21	16.26	16.38	17.7	0
20	HQAM	50	49	16.27	16.15	16.20		
20	HQAM	100	0	16.23	16.16	16.19	17.7	0
20	25QAM	1	49	16.17	16.31	16.21		
20	25QAM	1	99	16.23	16.16	16.22		
20	25QAM	50	0	16.32	16.16	16.22		
20	25QAM	50	24	16.30	16.44	16.32	17.7	0
20	25QAM	50	49	16.27	16.27	16.30		
20	25QAM	100	0	16.29	16.29	16.27		
<b>Channel 2</b>								
Frequency (MHz)								
16	QPSK	1	0	16.18	16.41	16.42		
15	QPSK	1	37	16.20	16.29	16.10	17.7	0
15	QPSK	1	74	16.23	16.27	16.10		
15	QPSK	36	0	16.12	16.29	16.20		
15	QPSK	36	20	16.21	16.15	16.10	17.7	0
15	QPSK	36	36	16.20	16.17	16.10		
15	QPSK	75	0	16.04	16.22	16.18		
15	HQAM	1	0	16.23	16.29	16.15		
15	HQAM	1	37	16.23	16.29	16.15	17.7	0
15	HQAM	1	74	16.30	16.30	16.08		
15	HQAM	36	0	16.14	16.29	16.31		
15	HQAM	36	20	16.16	16.37	16.09	17.7	0
15	HQAM	36	36	16.15	16.19	16.07		
15	HQAM	75	0	16.20	16.22	16.14		
15	HQAM	75	0	16.15	16.25	16.05		
15	HQAM	1	37	16.09	16.12	16.23	17.7	0
15	HQAM	1	74	16.05	16.24	16.12		
15	HQAM	36	20	16.17	16.17	16.05	17.7	0
15	HQAM	36	36	16.19	16.24	16.20		
15	HQAM	75	0	16.10	16.28	16.10		
15	HQAM	75	0	16.10	16.28	16.10		
15	25QAM	1	0	16.11	16.16	16.10		
15	25QAM	1	37	16.09	16.30	16.07	17.7	0
15	25QAM	1	74	16.17	16.13	16.07		
15	25QAM	36	0	16.30	16.13	16.08		
15	25QAM	36	20	16.17	16.33	16.09	17.7	0
15	25QAM	36	36	16.26	16.24	16.15		
15	25QAM	75	0	16.21	16.24	16.17		
<b>Channel 3</b>								
Frequency (MHz)								
10	QPSK	1	0	16.14	16.36	16.33		
10	QPSK	1	25	16.31	16.31	16.22	17.7	0
10	QPSK	1	49	16.27	16.27	16.22		
10	QPSK	26	0	16.23	16.37	16.22		
10	QPSK	26	12	16.20	16.10	16.10	17.7	0
10	QPSK	26	25	16.18	16.13	16.04		
10	QPSK	60	0	16.08	16.25	16.18		
10	HQAM	1	0	16.20	16.33	16.14		
10	HQAM	1	25	16.19	16.30	16.22	17.7	0
10	HQAM	1	49	16.20	16.23	16.23		
10	HQAM	26	0	16.26	16.30	16.37		
10	HQAM	26	12	16.31	16.33	16.33	17.7	0
10	HQAM	26	25	16.10	16.29	16.07		
10	HQAM	60	0	16.16	16.21	16.08	17.7	0
10	HQAM	60	0	16.08	16.16	16.06		
10	HQAM	1	25	16.18	16.18	16.16	17.7	0
10	HQAM	26	12	16.23	16.36	16.36		
10	HQAM	26	25	16.22	16.02	16.15		
10	HQAM	60	0	16.25	16.11	16.23		
10	25QAM	1	0	16.08	16.18	16.06	17.7	0
10	25QAM	1	25	16.24	16.23	16.09		
10	25QAM	1	49	16.11	16.21	16.26		
10	25QAM	26	0	16.20	16.09	16.10	17.7	0
10	25QAM	26	12	16.20	16.30	16.09		
10	25QAM	26	25	16.25	16.15	16.10	17.7	0
10	25QAM	60	0	16.11	16.21	16.23		
<b>Channel 4</b>								
Frequency (MHz)								
5	QPSK	1	0	16.14	16.38	17.52		
5	QPSK	1	12	16.16	16.24	16.25	17.7	0
5	QPSK	1	24	16.12	16.35	16.17		
5	QPSK	12	0	16.13	16.24	16.20		
5	QPSK	12	7	16.15	16.13	16.10	17.7	0
5	QPSK	12	13	16.16	16.16	16.16		
5	QPSK	26	0	16.01	16.35	16.20		
5	HQAM	1	0	16.10	16.38	16.38	17.7	0
5	HQAM	1	12	16.13	16.18	16.38		
5	HQAM	1	24	16.15	16.12	16.20		
5	HQAM	12	0	16.24	16.17	16.17	17.7	0
5	HQAM	12	7	16.14	16.30	16.33		
5	HQAM	12	13	16.10	16.25	16.20		
5	HQAM	26	0	16.23	16.30	16.09		
5	HQAM	26	0	16.18	16.10	16.34	17.7	0
5	HQAM	1	12	16.14	16.17	16.20		
5	HQAM	12	7	16.12	16.15	16.18	17.7	0
5	HQAM	12	13	16.10	16.08	16.20		
5	HQAM	26	0	16.25	16.01	16.20		
5	HQAM	26	0	16.18	16.12	16.17	17.7	0
5	HQAM	26	0	16.12	16.21	16.05		
5	25QAM	1	0	16.13	16.33	16.16	17.7	0
5	25QAM	1	12	16.12	16.12	16.13		
5	25QAM	1	24	16.13	16.17	16.13		
5	25QAM	12	0	16.20	16.09	16.13	17.7	0
5	25QAM	12	7	16.17	16.42	16.21		
5	25QAM	12	13	16.18	16.24	16.08	17.7	0
5	25QAM	26	0	16.10	16.12	16.16		
<b>Channel 5</b>								
Frequency (MHz)								
3	QPSK	1	0	16.18	16.39	16.39		
3	QPSK	1	8	16.22	16.30	16.20	17.7	0
3	QPSK	1	14	16.14	16.30	16.21		
3	QPSK	8	0	16.13	16.34	16.11		
3	QPSK	8	4	16.13	16.21	16.11	17.7	0
3	QPSK	8	7	16.21	16.05	16.20		
3	QPSK	15	0	16.02	16.22	16.13		
3	HQAM	1	0	16.18	16.39	16.39	17.7	0
3	HQAM	1	8	16.13	16.29	16.32		
3	HQAM	1	14	16.30	16.29	16.21		
3	HQAM	8	0	16.16	16.37	16.17	17.7	0
3	HQAM	8	4	16.17	16.32	16.31		
3	HQAM	15	0	16.09	16.19	16.12		
3	HQAM	1	0	16.10	16.13	16.38	17.7	0
3	HQAM	1	8	16.21	16.17	16.07		
3	HQAM	1	14	16.01	16.37	16.24		
3	HQAM	8	0	16.13	16.08	16.14	17.7	0
3	HQAM	8	4	16.17	16.17	16.26		
3	HQAM	8	7	16.12	16.06	16.20		
3	HQAM	15	0	16.19	16.20	16.16		
3	25QAM	1	0	16.07	16.22	16.14	17.7	0
3	25QAM	1	8	16.13	16.27	16.12		
3	25QAM	1	14	16.17	16.23	16.23		
3	25QAM	8	0	16.26	16.05	16.16	17.7	0
3	25QAM	8	4	16.17	16.42	16.21		
3	25QAM	8	7	16.25	16.12	16.24		
3	25QAM	15	0	16.11	16.16	16.17		
<b>Channel 6</b>								
Frequency (MHz)								
1.4	QPSK	1	0	16.16	16.40	16.36		
1.4	QPSK	1	3	16.21	16.32	16.20	17.7	0
1.4	QPSK	1	5	16.23	16.30	16.18		
1.4	QPSK	3	0	16.16	16.36	16.20		
1.4	QPSK	3	3	16.17	16.22	16.20	17.7	0
1.4	QPSK	3	5	16.14	16.06	16.38		
1.4	HQAM	1	0	16.12	16.21	16.20	17.7	0
1.4	HQAM	1	3	16.11	16.28	16.25		
1.4	HQAM	1	5	16.15	16.17	16.12	17.7	0
1.4	HQAM	3	0	16.13	16.34	16.34		
1.4	HQAM	3	1	16.21	16.34	16.20		
1.4	HQAM	3	3	16.08	16.29	16.00	17.7	0
1.4	HQAM	3	5	16.11	16.25	16.14		
1.4	HQAM	1	0	16.06	16.17	16.20		
1.4	HQAM	1	3	16.19	16.07	16.10	17.7	0
1.4	HQAM	3	1	16.14	16.22	16.31		
1.4	HQAM	3	3	16.13	16.02	16.24	17.7	0
1.4	HQAM	3	5	16.20	16.22	16.26	17.7	0
1.4	25QAM	1	0	16.13	16.21	16.16		
1.4	25QAM	1	3	16.12	16.21	16.00		
1.4	25QAM	1	5	16.21	16.21	16.28	17.7	0
1.4	25QAM	3	0	16.16	16.04	16.18		
1.4	25QAM	3	1	16.16	16.34	16.22		
1.4	25QAM	3	3	16.24	16.22	16.08	17.7	0
1.4	25QAM	3	5	16.26	16.23	16.10	17.7	0

**Band 7 Ant 0 Other PA**

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 Freq. (MHz)	Power Level Ch. 2 Freq. (MHz)	Power Level Ch. 3 Freq. (MHz)	Turn-up time (dB)	MPR (dB)
<b>Channel 1</b>								
Frequency (MHz)								
20	QPSK	1	0	16.0				



Band 38 Ant 0 Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.59	16.68	16.57	17.5	0	
20	QPSK	1	49	16.42	16.53	16.41			
20	QPSK	1	99	16.46	16.63	16.49			
20	QPSK	50	0	16.48	16.69	16.41			
20	QPSK	50	24	16.41	16.62	16.43			
20	QPSK	50	50	16.53	16.56	16.48			
20	QPSK	100	0	16.43	16.65	16.39	17.5	0	
20	16QAM	1	0	16.50	16.66	16.53			
20	16QAM	1	49	16.47	16.58	16.47	17.5	0	
20	16QAM	1	99	16.48	16.53	16.54			
20	16QAM	50	0	16.44	16.54	16.49			
20	16QAM	50	24	16.40	16.66	16.51			
20	16QAM	50	50	16.52	16.67	16.41			
20	16QAM	100	0	16.44	16.65	16.44	17.5	0	
20	64QAM	1	0	16.48	16.65	16.54			
20	64QAM	1	49	16.55	16.61	16.47	17.5	0	
20	64QAM	1	99	16.46	16.54	16.46			
20	64QAM	50	0	16.54	16.55	16.47			
20	64QAM	50	24	16.45	16.52	16.42	17.5	0	
20	64QAM	50	50	16.44	16.65	16.44			
20	64QAM	100	0	16.53	16.56	16.48			
20	256QAM	1	0	16.41	16.52	16.50			
20	256QAM	1	49	16.47	16.55	16.48	17.5	0	
20	256QAM	1	99	16.46	16.64	16.45			
20	256QAM	50	0	16.53	16.58	16.49			
20	256QAM	50	24	16.52	16.66	16.56			
20	256QAM	50	50	16.49	16.61	16.48	17.5	0	
20	256QAM	100	0	16.42	16.59	16.48			
Channel				37825	38000	38175	Tune-up limit	MPR	
Frequency (MHz)				25775	25950	26125	(dBm)	(dB)	
15	QPSK	1	0	16.46	16.59	16.54	17.5	0	
15	QPSK	1	37	16.28	16.42	16.28			
15	QPSK	1	74	16.37	16.49	16.38			
15	QPSK	36	0	16.37	16.65	16.27			
15	QPSK	36	20	16.27	16.56	16.38	17.5	0	
15	QPSK	36	39	16.38	16.41	16.29			
15	QPSK	75	0	16.41	16.49	16.28			
15	16QAM	1	0	16.33	16.60	16.48	17.5	0	
15	16QAM	1	37	16.33	16.45	16.45			
15	16QAM	1	74	16.34	16.47	16.47			
15	16QAM	36	0	16.40	16.41	16.42			
15	16QAM	36	20	16.35	16.60	16.48	17.5	0	
15	16QAM	36	39	16.34	16.65	16.35			
15	16QAM	75	0	16.35	16.57	16.39			
15	64QAM	1	0	16.34	16.61	16.48	17.5	0	
15	64QAM	1	37	16.54	16.41	16.31			
15	64QAM	1	74	16.33	16.46	16.38			
15	64QAM	36	0	16.50	16.53	16.32			
15	64QAM	36	20	16.38	16.40	16.29	17.5	0	
15	64QAM	36	39	16.33	16.61	16.42			
15	64QAM	75	0	16.52	16.46	16.47			
15	256QAM	1	0	16.32	16.43	16.36	17.5	0	
15	256QAM	1	37	16.32	16.47	16.40			
15	256QAM	1	74	16.30	16.52	16.32			
15	256QAM	36	0	16.50	16.42	16.38			
15	256QAM	36	20	16.47	16.61	16.54	17.5	0	
15	256QAM	36	39	16.43	16.45	16.31			
15	256QAM	75	0	16.35	16.51	16.36			
Channel				37900	38000	38200	Tune-up limit	MPR	
Frequency (MHz)				25750	25950	26150	(dBm)	(dB)	
10	QPSK	1	0	16.53	16.57	16.54	17.5	0	
10	QPSK	1	25	16.31	16.35	16.23			
10	QPSK	1	49	16.40	16.32	16.27			
10	QPSK	25	0	16.32	16.83	16.48	17.5	0	
10	QPSK	25	12	16.38	16.47	16.41			
10	QPSK	25	25	16.38	16.43	16.40			
10	QPSK	50	0	16.27	16.62	16.25			
10	16QAM	1	0	16.35	16.64	16.34	17.5	0	
10	16QAM	1	25	16.44	16.50	16.29			
10	16QAM	1	49	16.30	16.45	16.50			
10	16QAM	25	0	16.38	16.44	16.38			
10	16QAM	25	12	16.27	16.56	16.47	17.5	0	
10	16QAM	25	25	16.45	16.52	16.33			
10	16QAM	50	0	16.34	16.57	16.40			
10	64QAM	1	0	16.46	16.50	16.45	17.5	0	
10	64QAM	1	25	16.49	16.39	16.44			
10	64QAM	1	49	16.27	16.40	16.40			
10	64QAM	25	0	16.44	16.38	16.43			
10	64QAM	25	12	16.42	16.37	16.40	17.5	0	
10	64QAM	25	25	16.31	16.64	16.32			
10	64QAM	50	0	16.36	16.54	16.29			
10	256QAM	1	0	16.23	16.35	16.42	17.5	0	
10	256QAM	1	25	16.37	16.37	16.42			
10	256QAM	1	49	16.37	16.48	16.42			
10	256QAM	25	0	16.49	16.30	16.45			
10	256QAM	25	12	16.38	16.96	16.51	17.5	0	
10	256QAM	25	25	16.47	16.49	16.46			
10	256QAM	50	0	16.40	16.41	16.38			
Channel				37775	38000	38225	Tune-up limit	MPR	
Frequency (MHz)				25725	25950	26175	(dBm)	(dB)	
5	QPSK	1	0	16.44	16.62	16.39	17.5	0	
5	QPSK	1	12	16.37	16.49	16.25			
5	QPSK	1	24	16.43	16.46	16.38			
5	QPSK	12	0	16.41	16.60	16.36			
5	QPSK	12	7	16.36	16.60	16.36	17.5	0	
5	QPSK	12	13	16.41	16.47	16.38			
5	QPSK	25	0	16.32	16.54	16.38			
5	16QAM	1	0	16.38	16.58	16.39	17.5	0	
5	16QAM	1	12	16.40	16.52	16.36			
5	16QAM	1	24	16.34	16.39	16.42			
5	16QAM	12	0	16.41	16.49	16.46			
5	16QAM	12	7	16.39	16.63	16.34	17.5	0	
5	16QAM	12	13	16.35	16.53	16.34			
5	16QAM	25	0	16.28	16.48	16.46			
5	64QAM	1	0	16.45	16.47	16.45	17.5	0	
5	64QAM	1	12	16.42	16.47	16.37			
5	64QAM	1	24	16.27	16.30	16.41			
5	64QAM	12	0	16.45	16.38	16.39			
5	64QAM	12	7	16.41	16.47	16.35	17.5	0	
5	64QAM	12	13	16.27	16.58	16.36			
5	64QAM	25	0	16.41	16.53	16.43			
5	256QAM	1	0	16.30	16.34	16.41	17.5	0	
5	256QAM	1	12	16.30	16.50	16.46			
5	256QAM	1	24	16.45	16.52	16.38			
5	256QAM	12	0	16.48	16.51	16.48			
5	256QAM	12	7	16.51	16.60	16.53	17.5	0	
5	256QAM	12	13	16.33	16.52	16.29			
5	256QAM	25	0	16.24	16.41	16.45			

Band 41 Ant 0 Other PA											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power 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	17.92	17.98	18.09	17.88	17.92			
20	QPSK	1	49	17.73	17.80	18.01	17.82	17.84	19	0	
20	QPSK	1	99	17.86	17.84	18.01	17.78	17.76			
20	QPSK	50	0	17.84	17.92	18.05	17.83	17.81			
20	QPSK	50	24	17.89	17.83	17.99	17.80	17.87	19	0	
20	QPSK	50	50	17.76	17.94	17.93	17.76	17.91			
20	QPSK	100	0	17.78	17.81	18.03	17.70	17.82			
20	16QAM	1	0	17.89	17.90	17.95	17.83	17.78			
20	16QAM	1	49	17.73	17.84	17.96	17.70	17.73	19	0	
20	16QAM	1	99	17.74	17.96	18.04	17.78	17.75			
20	16QAM	50	0	17.76	17.82	18.03	17.76	17.82			
20	16QAM	50	24	17.89	17.83	18.04	17.72	17.88	19	0	
20	16QAM	50	50	17.83	17.95	18.06	17.85	17.80			
20	16QAM	100	0	17.87	17.90	17.93	17.80	17.83			
20	64QAM	1	0	17.81	17.80	18.07	17.84	17.81			
20	64QAM	1	49	17.77	17.85	17.94	17.83	17.86	19	0	
20	64QAM	1	99	17.86	17.92	17.91	17.73	17.75			
20	64QAM	50	0	17.89	17.95	18.07	17.82	17.74			
20	64QAM	50	24	17.82	17.83	18.00	17.89	17.80	19	0	
20	64QAM	50	50	17.87	17.90	17.93	17.80	17.83			
20	64QAM	100	0	17.77	17.79	17.90	17.79	17.89			
20	256QAM	1	0	16.82	16.76	16.82	16.76	16.79			
20	256QAM	1	49	16.58	16.58	16.60	16.46	16.58	18	1	
20	256QAM	1	99	16.63	16.49	16.70	16.49	16.55			
20	256QAM	50	0	16.42	16.57	16.63	16.62	16.53			
20	256QAM	50	24	16.61	16.62	16.77	16.70	16.63			
20	256QAM	50	50	16.48	16.48	16.53	16.49	16.44	18	1	
20	256QAM	100	0	16.53	16.50	16.66	16.63	16.66			
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2546.5	2592	2637.3	2682.5	(dB		



Band 4 Ant 1 Other PA													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)	Turn-up (dB)	MPE (dB)	Turn-up (dB)	MPE (dB)	
Channel													
20 QPSK 1 0 17.20 17.20 17.20													
20	QPSK	1	0	17.20	17.20	17.20	15.2	0	0	0	0	0	0
20	QPSK	1	99	13.77	13.78	13.80							
20	QPSK	50	0	13.67	13.74	13.70							
20	QPSK	50	24	13.61	13.73	13.68							
20	QPSK	50	50	13.68	13.73	13.68							
20	QPSK	100	0	13.66	13.75	13.68							
20	QPSK	100	0	13.57	13.64	13.70							
20	HQAM	1	49	13.74	13.79	13.78	15.2	0	0	0	0	0	0
20	HQAM	1	99	13.66	13.68	13.66							
20	HQAM	50	0	13.66	13.64	13.66							
20	HQAM	50	24	13.55	13.73	13.60							
20	HQAM	50	50	13.66	13.76	13.70							
20	HQAM	100	0	13.67	13.61	13.69							
20	HQAM	1	0	13.62	13.69	13.60							
20	HQAM	1	49	13.64	13.79	13.71	15.2	0	0	0	0	0	0
20	HQAM	1	99	13.70	13.67	13.71							
20	HQAM	50	0	13.70	13.67	13.71							
20	HQAM	50	24	13.55	13.71	13.61							
20	HQAM	50	50	13.64	13.75	13.60							
20	HQAM	100	0	13.66	13.60	13.64							
20	HQAM	1	49	13.62	13.60	13.76	15.2	0	0	0	0	0	0
20	256QAM	1	99	13.63	13.79	13.72							
20	256QAM	50	0	13.70	13.60	13.69							
20	256QAM	50	24	13.63	13.74	13.60							
20	256QAM	50	50	13.62	13.73	13.63							
20	256QAM	100	0	13.73	13.61	13.69							
Channel													
20265 20175 20150 20292 1747.5													
Frequency (MHz)													
15	QPSK	1	0	13.62	13.70	13.65	15.2	0	0	0	0	0	0
15	QPSK	1	37	13.62	13.70	13.65							
15	QPSK	1	74	13.66	13.66	13.66							
15	QPSK	36	0	13.64	13.64	13.67							
15	QPSK	36	20	13.61	13.69	13.64							
15	QPSK	36	36	13.64	13.72	13.67							
15	QPSK	75	0	13.47	13.69	13.62							
15	HQAM	1	37	13.59	13.70	13.70	15.2	0	0	0	0	0	0
15	HQAM	1	74	13.62	13.62	13.62							
15	HQAM	36	0	13.58	13.70	13.73							
15	HQAM	36	20	13.52	13.60	13.59							
15	HQAM	36	36	13.62	13.66	13.64							
15	HQAM	75	0	13.65	13.73	13.60							
15	HQAM	1	0	13.53	13.65	13.64							
15	HQAM	1	37	13.56	13.65	13.64							
15	HQAM	1	74	13.52	13.64	13.63							
15	HQAM	36	0	13.48	13.49	13.73							
15	HQAM	36	20	13.55	13.60	13.64							
15	HQAM	36	36	13.57	13.69	13.71							
15	HQAM	75	0	13.58	13.62	13.72							
15	256QAM	1	37	13.46	13.62	13.64	15.2	0	0	0	0	0	0
15	256QAM	1	74	13.47	13.68	13.58							
15	256QAM	36	0	13.52	13.60	13.63							
15	256QAM	36	20	13.53	13.70	13.60							
15	256QAM	36	36	13.48	13.55	13.55							
15	256QAM	75	0	13.57	13.63	13.61							
Channel													
20265 20175 20150 20292 1747.5													
Frequency (MHz)													
10	QPSK	1	0	13.48	13.59	13.52	15.2	0	0	0	0	0	0
10	QPSK	1	25	13.64	13.71	13.65							
10	QPSK	1	49	13.70	13.73	13.67							
10	QPSK	25	0	13.67	13.67	13.68							
10	QPSK	25	12	13.56	13.64	13.64							
10	QPSK	25	25	13.53	13.71	13.61							
10	QPSK	50	0	13.62	13.62	13.64							
10	HQAM	1	0	13.47	13.70	13.60	15.2	0	0	0	0	0	0
10	HQAM	1	25	13.63	13.73	13.62							
10	HQAM	1	49	13.65	13.65	13.64							
10	HQAM	25	0	13.45	13.75	13.72							
10	HQAM	25	12	13.38	13.69	13.58							
10	HQAM	25	25	13.52	13.61	13.64							
10	HQAM	50	0	13.50	13.69	13.62							
10	HQAM	1	0	13.45	13.63	13.64							
10	HQAM	1	25	13.62	13.66	13.61							
10	HQAM	1	49	13.67	13.60	13.63							
10	HQAM	25	0	13.46	13.56	13.66							
10	HQAM	25	12	13.62	13.67	13.64	15.2	0	0	0	0	0	0
10	HQAM	25	25	13.60	13.74	13.64							
10	HQAM	50	0	13.62	13.66	13.70							
10	256QAM	1	25	13.58	13.45	13.84	15.2	0	0	0	0	0	0
10	256QAM	1	49	13.59	13.76	13.68							
10	256QAM	25	0	13.56	13.64	13.64							
10	256QAM	25	12	13.62	13.63	13.62							
10	256QAM	25	25	13.38	13.67	13.52							
10	256QAM	50	0	13.59	13.53	13.70	15.2	0	0	0	0	0	0
Channel													
20265 20175 20150 20292 1747.5													
Frequency (MHz)													
5	QPSK	1	0	13.48	13.70	13.62	15.2	0	0	0	0	0	0
5	QPSK	1	12	13.61	13.73	13.60							
5	QPSK	1	24	13.60	13.67	13.69							
5	QPSK	12	0	13.62	13.67	13.62							
5	QPSK	12	7	13.60	13.57	13.54							
5	QPSK	12	13	13.53	13.54	13.60							
5	QPSK	24	0	13.53	13.62	13.60							
5	HQAM	1	0	13.58	13.79	13.65	15.2	0	0	0	0	0	0
5	HQAM	1	12	13.72	13.77	13.66							
5	HQAM	1	24	13.47	13.80	13.60							
5	HQAM	12	0	13.61	13.76	13.67							
5	HQAM	12	7	13.46	13.59	13.63							
5	HQAM	12	13	13.58	13.63	13.61							
5	HQAM	25	0	13.64	13.71	13.67							
5	HQAM	1	0	13.44	13.59	13.56							
5	HQAM	1	12	13.62	13.61	13.62							
5	HQAM	1	24	13.55	13.52	13.70							
5	HQAM	12	0	13.46	13.62	13.60							
5	HQAM	12	7	13.45	13.67	13.74							
5	HQAM	12	13	13.58	13.72	13.72							
5	HQAM	25	0	13.50	13.43	13.79							
5	256QAM	1	12	13.55	13.61	13.69	15.2	0	0	0	0	0	0
5	256QAM	1	24	13.49	13.72	13.67							
5	256QAM	12	0	13.55	13.54	13.64							
5	256QAM	12	7	13.53	13.69	13.61							
5	256QAM	12	13	13.26	13.67	13.60							
5	256QAM	25	0	13.57	13.65	13.78							
Channel													
19975 19925 20175 20376 1747.5													
Frequency (MHz)													
3	QPSK	1	8	13.64	13.62	13.64	15.2	0	0	0	0	0	0
3	QPSK	1	14</										



Band 38 Ant 1 Other PA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2585	2610				
20	QPSK	1	0	16.29	16.42	16.32	17.5	0		
20	QPSK	1	49	16.19	16.34	16.30				
20	QPSK	1	99	16.27	16.23	16.23	17.5	0		
20	QPSK	50	0	16.26	16.35	16.27				
20	QPSK	50	24	16.24	16.30	16.22	17.5	0		
20	QPSK	50	50	16.24	16.27	16.20				
20	16QAM	1	0	16.17	16.27	16.28	17.5	0		
20	16QAM	1	49	16.19	16.25	16.14				
20	16QAM	1	99	16.26	16.36	16.14	17.5	0		
20	16QAM	50	0	16.26	16.23	16.30				
20	16QAM	50	24	16.16	16.27	16.25	17.5	0		
20	16QAM	50	50	16.20	16.24	16.21				
20	16QAM	100	0	16.25	16.35	16.26	17.5	0		
20	16QAM	1	0	16.18	16.28	16.25				
20	16QAM	1	49	16.22	16.32	16.28	17.5	0		
20	16QAM	1	99	16.14	16.36	16.23				
20	16QAM	50	0	16.16	16.34	16.20	17.5	0		
20	16QAM	50	24	16.15	16.32	16.29				
20	16QAM	50	50	16.11	16.29	16.16	17.5	0		
20	16QAM	100	0	16.20	16.37	16.28				
20	256QAM	1	0	16.14	16.39	16.13	17.5	0		
20	256QAM	1	49	16.19	16.35	16.21				
20	256QAM	1	99	16.19	16.38	16.15	17.5	0		
20	256QAM	50	0	16.20	16.27	16.22				
20	256QAM	50	24	16.19	16.24	16.24	17.5	0		
20	256QAM	50	50	16.14	16.33	16.13				
20	256QAM	100	0	16.15	16.38	16.16	17.5	0		
Channel				37825	38000	38175			Tune-up limit	MPR
Frequency (MHz)				25775	25825	26125	(dBm)	(dB)		
15	QPSK	1	0	16.16	16.32	16.14	17.5	0		
15	QPSK	1	37	16.03	16.32	16.29				
15	QPSK	1	74	15.98	16.17	16.14	17.5	0		
15	QPSK	36	0	16.15	16.32	16.16				
15	QPSK	36	20	16.13	16.16	16.16	17.5	0		
15	QPSK	36	39	16.06	16.07	16.07				
15	QPSK	75	0	16.03	16.08	16.12	17.5	0		
15	16QAM	1	0	16.07	16.09	16.16				
15	16QAM	1	37	16.04	16.13	16.04	17.5	0		
15	16QAM	1	74	16.09	16.26	16.11				
15	16QAM	36	0	16.11	16.26	16.26	17.5	0		
15	16QAM	36	20	16.03	16.10	16.15				
15	16QAM	36	39	16.09	16.16	16.14	17.5	0		
15	16QAM	75	0	16.19	16.31	16.09				
15	16QAM	1	0	16.04	16.13	16.07	17.5	0		
15	16QAM	1	37	16.16	16.29	16.27				
15	16QAM	1	74	15.99	16.09	16.09	17.5	0		
15	16QAM	36	0	15.98	16.23	16.06				
15	16QAM	36	20	16.02	16.19	16.12	17.5	0		
15	16QAM	36	39	15.95	16.20	15.97				
15	16QAM	75	0	16.15	16.23	16.27	17.5	0		
15	256QAM	1	0	16.05	16.20	16.04				
15	256QAM	1	37	16.04	16.29	16.13	17.5	0		
15	256QAM	1	74	16.05	16.21	16.01				
15	256QAM	36	0	16.13	16.16	16.03	17.5	0		
15	256QAM	36	20	16.02	16.22	16.09				
15	256QAM	36	39	16.00	16.19	16.06	17.5	0		
15	256QAM	75	0	16.03	16.27	16.03				
Channel				37900	38000	38200	Tune-up limit	MPR		
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)		
10	QPSK	1	0	16.15	16.38	16.24	17.5	0		
10	QPSK	1	25	16.10	16.25	16.18				
10	QPSK	1	49	16.04	16.26	16.07	17.5	0		
10	QPSK	25	0	16.11	16.30	16.22				
10	QPSK	25	12	16.16	16.15	16.19	17.5	0		
10	QPSK	25	25	16.16	16.22	16.14				
10	QPSK	50	0	16.00	16.10	16.09	17.5	0		
10	16QAM	1	0	16.13	16.13	16.14				
10	16QAM	1	25	16.03	16.06	16.03	17.5	0		
10	16QAM	1	49	16.11	16.26	16.05				
10	16QAM	25	0	16.08	16.13	16.17	17.5	0		
10	16QAM	25	12	16.04	16.15	16.10				
10	16QAM	25	25	16.15	16.10	16.06	17.5	0		
10	16QAM	50	0	16.06	16.28	16.15				
10	16QAM	50	1	16.03	16.24	16.20	17.5	0		
10	16QAM	1	25	16.09	16.24	16.14				
10	16QAM	1	49	16.08	16.25	16.19	17.5	0		
10	16QAM	25	0	16.07	16.21	16.19				
10	16QAM	25	12	15.96	16.28	16.10	17.5	0		
10	16QAM	25	25	16.09	16.18	16.12				
10	16QAM	50	0	16.04	16.31	16.24	17.5	0		
10	256QAM	1	0	16.00	16.34	15.97				
10	256QAM	1	25	16.17	16.23	16.08	17.5	0		
10	256QAM	1	49	16.12	16.34	16.08				
10	256QAM	25	0	16.10	16.21	16.09	17.5	0		
10	256QAM	25	12	16.06	16.12	16.06				
10	256QAM	25	25	15.99	16.21	16.11	17.5	0		
10	256QAM	50	0	16.12	16.34	16.06				
Channel				37775	38000	38225	Tune-up limit	MPR		
Frequency (MHz)				25725	2595	26175	(dBm)	(dB)		
5	QPSK	1	0	16.20	16.41	16.19	17.5	0		
5	QPSK	1	12	16.04	16.19	16.19				
5	QPSK	1	24	16.01	16.14	16.05	17.5	0		
5	QPSK	12	0	16.18	16.19	16.17				
5	QPSK	12	7	16.22	16.24	16.07	17.5	0		
5	QPSK	12	13	16.06	16.12	16.11				
5	QPSK	25	0	16.05	16.14	16.07	17.5	0		
5	16QAM	1	0	16.10	16.15	16.21				
5	16QAM	1	12	16.11	16.10	16.07	17.5	0		
5	16QAM	1	24	16.07	16.21	16.09				
5	16QAM	12	0	16.11	16.18	16.27	17.5	0		
5	16QAM	12	7	15.97	16.15	16.15				
5	16QAM	12	13	16.10	16.10	16.05	17.5	0		
5	16QAM	25	0	16.24	16.19	16.20				
5	16QAM	1	0	16.08	16.23	16.08	17.5	0		
5	16QAM	1	12	16.19	16.26	16.22				
5	16QAM	1	24	15.99	16.19	16.14	17.5	0		
5	16QAM	12	0	16.13	16.23	16.11				
5	16QAM	12	7	16.08	16.13	16.25	17.5	0		
5	16QAM	12	13	15.97	16.20	16.13				
5	16QAM	25	0	16.05	16.31	16.13	17.5	0		
5	256QAM	1	0	15.97	16.23	16.06				
5	256QAM	1	12	16.06	16.34	16.20	17.5	0		
5	256QAM	1	24	16.11	16.35	16.13				
5	256QAM	12	0	16.04	16.20	16.19	17.5	0		
5	256QAM	12	7	16.06	16.20	16.10				
5	256QAM	12	13	16.04	16.20	16.06	17.5	0		
5	256QAM	25	0	15.98	16.32	16.03				

Band 41 Ant 1 Other PA											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	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	15.86	15.67	15.86	15.82	15.65	17	0	
20	QPSK	1	49	15.84	15.65	15.84	15.70	15.47			
20	QPSK	1	99	15.72	15.49	15.87	15.74	15.53	17	0	
20	QPSK	50	0	15.74	15.65	15.84	15.79	15.55			
20	QPSK	50	24	15.80	15.54	15.80	15.69	15.56	17	0	
20	QPSK	50	50	15.78	15.55	15.69	15.65	15.62			
20	16QAM	1	0	15.78	15.61	15.78	15.85	15.59	17	0	
20	16QAM	1	49	15.72	15.55	15.86	15.69	15.48			
20	16QAM										





## Conducted Power for DL CA

2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A	Band 2	AntD	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.46	22.56
	Band 2	AntH	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.74	21.89
CA_2A-26A	Band 2	AntD	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.47	22.56
	Band 2	AntH	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		21.76	21.89
	Band 26	AntD	15M	831.5	26865	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	22.91	23.05
	Band 26	AntH	15M	831.5	26865	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	22.57	22.71
CA_2C	Band 2	AntD	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.40	22.56
	Band 2	AntH	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	21.69	21.89
CA_4A-4A	Band 4	AntD	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.84	22.99
CA_5A-38A	Band 4	AntH	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.75	22.87
	Band 5	AntD	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	22.78	22.97
CA_5A-41A	Band 5	AntH	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	22.58	22.67
	Band 5	AntD	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.77	22.97
CA_7A-42A	Band 5	AntH	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.57	22.67
	Band 7	AntD	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.01	23.18
	Band 7	AntH	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.59	22.74
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2855	3100	4x4MIMO	23.06	23.20
CA_7B	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2855	3100	4x4MIMO	22.38	22.56
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2855	3100	4x4MIMO	23.19	23.28
	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2855	3100	4x4MIMO	22.03	22.21
	Band 7	AntD	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	23.02	23.18
CA_38A-66A	Band 7	AntH	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.70	22.74
	Band 38	AntD	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886		23.07	23.18
	Band 38	AntH	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886		22.62	22.78
	Band 66	AntD	20M	1745	132322	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	22.91	23.01
CA_38C	Band 66	AntH	20M	1745	132322	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	22.76	22.93
	Band 38	AntD	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.02	23.18
CA_41A-42A	Band 38	AntH	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.64	22.78
	Band 41	AntD	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.46	22.62
	Band 41	AntH	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	21.72	21.86
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.08	23.20
	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.48	22.56
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.09	23.28
CA_42A-42A	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.08	22.21
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3547.5	43065	4x4MIMO	23.07	23.20
	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3547.5	43065	4x4MIMO	22.47	22.56
	Band 42	AntD	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3547.5	43065	4x4MIMO	23.10	23.28
CA_66B	Band 42	AntH	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3547.5	43065	4x4MIMO	22.08	22.21
	Band 66	AntD	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		22.83	23.01
CA_66C	Band 66	AntH	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		22.81	22.93
	Band 66	AntD	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		22.85	23.01
CA_66C	Band 66	AntH	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		22.79	22.93



### 3CA DL

3CA List	PCC									SCC1				SCC2				Power				
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)	
CA_2A-4A-5A	Band 2	An#0	20M	1860	1890	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525		22.41	22.56	
	Band 2	An#1	20M	1860	1890	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525		21.70	21.85	
	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4xMIMO		22.82	22.99
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4xMIMO		22.78	22.87
	Band 5	An#0	10M	836.5	20225	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO		22.83	22.97
Band 5	An#1	10M	836.5	20225	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO		22.50	22.67	
CA_2A-4A-7A	Band 2	An#0	20M	1860	1890	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	4xMIMO		22.47	22.56
	Band 2	An#1	20M	1860	1890	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	4xMIMO		21.71	21.89
	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO		22.90	22.99
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO		22.89	22.87
	Band 7	An#0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO		23.05	23.15
	Band 7	An#1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO		22.58	22.74
	Band 7	An#1	20M	1860	1890	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO		23.28	23.56
CA_2A-7A-7A	Band 2	An#0	20M	1860	1890	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO		23.02	23.18
	Band 2	An#1	20M	1860	1890	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO		22.61	22.74
	Band 7	An#0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 68	20M	2155	66888		Band 7	20M	2655	3100	4xMIMO		22.38	22.56
	Band 7	An#1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 68	20M	2155	66888		Band 7	20M	2655	3100	4xMIMO		21.72	21.89
	Band 7	An#0	20M	1860	1890	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 68	20M	2155	66888		22.59	22.74	
	Band 7	An#1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 68	20M	2155	66888		22.54	22.74	
	Band 68	An#0	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO		22.86	23.01
CA_2A-7A-66A	Band 68	An#1	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO		22.85	22.93
	Band 7	An#0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 68	20M	2155	66888		22.99	23.18	
	Band 7	An#1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 68	20M	2155	66888		22.55	22.74	
	Band 26	An#0	20M	831.5	28865	QPSK	1	0		Band 68	20M	2155	66888		Band 7	20M	2655	3100	4xMIMO		22.92	23.05
	Band 26	An#1	20M	831.5	28865	QPSK	1	0		Band 68	20M	2155	66888		Band 7	20M	2655	3100	4xMIMO		22.61	22.71
	Band 68	An#0	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 13	10M	751	5230		22.86	23.01	
	Band 68	An#1	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	Band 13	10M	751	5230		22.84	22.93	
CA_41A-41A-41A	Band 41	An#0	20M	2993	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2593	39750	4xMIMO		22.42	22.62
	Band 41	An#1	20M	2993	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2593	39750	4xMIMO		21.77	21.86
	Band 41	An#0	20M	2993	40620	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO		22.44	22.62
	Band 41	An#1	20M	2993	40620	QPSK	1	0	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO		21.88	21.86
	Band 42	An#4	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	39620	4xMIMO		23.04	23.20
CA_41C-42A	Band 42	An#2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	39620	4xMIMO		22.43	22.56
	Band 42	An#7	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	39620	4xMIMO		23.13	23.28
	Band 42	An#8	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	39620	4xMIMO		22.02	22.21
	Band 41	An#0	20M	2993	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO		22.45	22.62
	Band 41	An#1	20M	2993	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO		21.75	21.86
	Band 42	An#4	20M	3500	42590	QPSK	1	0	4xMIMO	Band 41	20M	2593	39620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO		23.09	23.20
	Band 42	An#2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 41	20M	2593	39620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO		22.42	22.56
	Band 42	An#7	20M	3500	42590	QPSK	1	0	4xMIMO	Band 41	20M	2593	39620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO		23.11	23.28
CA_42D	Band 42	An#8	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 42	20M	3539.6	42996	4xMIMO		22.99	23.20
	Band 42	An#2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 42	20M	3539.6	42996	4xMIMO		22.40	22.56
	Band 42	An#7	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 42	20M	3539.6	42996	4xMIMO		23.14	23.28
	Band 42	An#8	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 42	20M	3539.6	42996	4xMIMO		22.11	22.21





## Uplink CA Default Power

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.40	24.00
21100	21298	QPSK	1	99	1	0	22.51	24.00
21350	21152	QPSK	1	0	1	99	22.46	24.00

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.29	24.00
21100	21298	QPSK	1	99	1	0	22.37	24.00
21350	21152	QPSK	1	0	1	99	22.34	24.00

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.27	24.00
37901	38099	QPSK	1	99	1	0	22.39	24.00
38150	37952	QPSK	1	0	1	99	22.32	24.00

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.07	24.00
37901	38099	QPSK	1	99	1	0	22.10	24.00
38150	37952	QPSK	1	0	1	99	22.06	24.00

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.44	24.00
40185	40383	QPSK	1	99	1	0	22.51	24.00
40620	40818	QPSK	1	99	1	0	22.55	24.00
41055	41253	QPSK	1	99	1	0	22.49	24.00
41490	41292	QPSK	1	0	1	99	22.4	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.81	23.00
40185	40383	QPSK	1	99	1	0	21.72	23.00
40620	40818	QPSK	1	99	1	0	21.85	23.00
41055	41253	QPSK	1	99	1	0	21.83	23.00
41490	41292	QPSK	1	0	1	99	21.76	23.00

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.46	24.00
42590	42788	QPSK	1	99	1	0	22.57	24.00
42990	42792	QPSK	1	0	1	99	22.51	24.00

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.1	24.00
42590	42788	QPSK	1	99	1	0	22.22	24.00
42990	42792	QPSK	1	0	1	99	22.16	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.33	24.00
42590	42788	QPSK	1	99	1	0	22.47	24.00
42990	42792	QPSK	1	0	1	99	22.4	24.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.11	23.00
42590	42788	QPSK	1	99	1	0	22.19	23.00
42990	42792	QPSK	1	0	1	99	22	23.00

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.52	24.00
132322	132520	QPSK	1	99	1	0	22.63	24.00
132572	132374	QPSK	1	0	1	99	22.58	24.00

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.41	24.00
132322	132520	QPSK	1	99	1	0	22.54	24.00
132572	132374	QPSK	1	0	1	99	22.47	24.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.57	24.00
132322	132415	QPSK	1	74	1	0	22.59	24.00
132597	132504	QPSK	1	0	1	24	22.52	24.00

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.49	24.00
132322	132415	QPSK	1	74	1	0	22.58	24.00
132597	132504	QPSK	1	0	1	74	22.54	24.00



## Uplink CA Reduced Power for ECI2

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.40	24.00
21100	21298	QPSK	1	99	1	0	22.51	24.00
21350	21152	QPSK	1	0	1	99	22.46	24.00

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.27	24.00
37901	38099	QPSK	1	99	1	0	22.39	24.00
38150	37952	QPSK	1	0	1	99	22.32	24.00

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.44	24.00
40185	40383	QPSK	1	99	1	0	22.51	24.00
40620	40818	QPSK	1	99	1	0	22.55	24.00
41055	41253	QPSK	1	99	1	0	22.49	24.00
41490	41292	QPSK	1	0	1	99	22.4	24.00

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	19.1	20.60
42590	42788	QPSK	1	99	1	0	19.23	20.60
42990	42792	QPSK	1	0	1	99	19.15	20.60

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.02	17.70
42590	42788	QPSK	1	99	1	0	16.1	17.70
42990	42792	QPSK	1	0	1	99	16.19	17.70

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.52	24.00
132322	132520	QPSK	1	99	1	0	22.63	24.00
132572	132374	QPSK	1	0	1	99	22.58	24.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.57	24.00
132322	132415	QPSK	1	74	1	0	22.59	24.00
132597	132504	QPSK	1	0	1	24	22.52	24.00

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.58	18.20
21100	21298	QPSK	1	99	1	0	16.49	18.20
21350	21152	QPSK	1	0	1	99	16.55	18.20

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.41	20.30
37901	38099	QPSK	1	99	1	0	18.35	20.30
38150	37952	QPSK	1	0	1	99	18.27	20.30

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.2	21.30
40185	40383	QPSK	1	99	1	0	20.12	21.30
40620	40818	QPSK	1	99	1	0	20.15	21.30
41055	41253	QPSK	1	99	1	0	20.23	21.30
41490	41292	QPSK	1	0	1	99	20	21.30

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.1	24.00
42590	42788	QPSK	1	99	1	0	22.22	24.00
42990	42792	QPSK	1	0	1	99	22.16	24.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.92	18.20
42590	42788	QPSK	1	99	1	0	16.99	18.20
42990	42792	QPSK	1	0	1	99	16.84	18.20

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	15.38	17.10
132322	132520	QPSK	1	99	1	0	15.39	17.10
132572	132374	QPSK	1	0	1	99	15.39	17.10

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	15.37	17.10
132322	132415	QPSK	1	74	1	0	15.42	17.10
132597	132504	QPSK	1	0	1	74	15.47	17.10



### Uplink CA Reduced Power for ECI3

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.13	19.90
21100	21298	QPSK	1	99	1	0	18.38	19.90
21350	21152	QPSK	1	0	1	99	18.36	19.90

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.63	21.40
37901	38099	QPSK	1	99	1	0	19.72	21.40
38150	37952	QPSK	1	0	1	99	19.78	21.40

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.55	23.10
40185	40383	QPSK	1	99	1	0	21.67	23.10
40620	40818	QPSK	1	99	1	0	21.67	23.10
41055	41253	QPSK	1	99	1	0	21.66	23.10
41490	41292	QPSK	1	0	1	99	21.45	23.10

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	17.78	19.40
42590	42788	QPSK	1	99	1	0	17.89	19.40
42990	42792	QPSK	1	0	1	99	17.86	19.40

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	18.23	19.80
42590	42788	QPSK	1	99	1	0	18.19	19.80
42990	42792	QPSK	1	0	1	99	18.2	19.80

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.59	20.10
132322	132520	QPSK	1	99	1	0	18.66	20.10
132572	132374	QPSK	1	0	1	99	18.70	20.10

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.76	20.10
132322	132415	QPSK	1	74	1	0	18.79	20.10
132597	132504	QPSK	1	0	1	24	18.67	20.10

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.48	19.20
21100	21298	QPSK	1	99	1	0	17.61	19.20
21350	21152	QPSK	1	0	1	99	17.44	19.20

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.56	21.00
37901	38099	QPSK	1	99	1	0	19.50	21.00
38150	37952	QPSK	1	0	1	99	19.57	21.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.39	21.60
40185	40383	QPSK	1	99	1	0	20.25	21.60
40620	40818	QPSK	1	99	1	0	20.45	21.60
41055	41253	QPSK	1	99	1	0	20.41	21.60
41490	41292	QPSK	1	0	1	99	20.45	21.60

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.1	24.00
42590	42788	QPSK	1	99	1	0	22.22	24.00
42990	42792	QPSK	1	0	1	99	22.16	24.00

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	17.75	19.30
42590	42788	QPSK	1	99	1	0	17.72	19.30
42990	42792	QPSK	1	0	1	99	17.7	19.30

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	15.44	17.00
132322	132520	QPSK	1	99	1	0	15.49	17.00
132572	132374	QPSK	1	0	1	99	15.40	17.00

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	15.44	17.00
132322	132415	QPSK	1	74	1	0	15.58	17.00
132597	132504	QPSK	1	0	1	74	15.46	17.00



### Uplink CA Reduced Power for ECI6

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.80	23.50
21100	21298	QPSK	1	99	1	0	22.01	23.50
21350	21152	QPSK	1	0	1	99	21.90	23.50

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.18	19.70
21100	21298	QPSK	1	99	1	0	18.21	19.70
21350	21152	QPSK	1	0	1	99	18.15	19.70

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.87	24.00
37901	38099	QPSK	1	99	1	0	22.99	24.00
38150	37952	QPSK	1	0	1	99	22.82	24.00

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.67	22.20
37901	38099	QPSK	1	99	1	0	20.71	22.20
38150	37952	QPSK	1	0	1	99	20.65	22.20

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.44	24.00
40185	40383	QPSK	1	99	1	0	22.51	24.00
40620	40818	QPSK	1	99	1	0	22.55	24.00
41055	41253	QPSK	1	99	1	0	22.49	24.00
41490	41292	QPSK	1	0	1	99	22.4	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.81	23.00
40185	40383	QPSK	1	99	1	0	21.72	23.00
40620	40818	QPSK	1	99	1	0	21.85	23.00
41055	41253	QPSK	1	99	1	0	21.83	23.00
41490	41292	QPSK	1	0	1	99	21.76	23.00

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.83	22.40
42590	42788	QPSK	1	99	1	0	20.98	22.40
42990	42792	QPSK	1	0	1	99	20.91	22.40

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.1	24.00
42590	42788	QPSK	1	99	1	0	22.22	24.00
42990	42792	QPSK	1	0	1	99	22.16	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	19.34	20.80
42590	42788	QPSK	1	99	1	0	19.38	20.80
42990	42792	QPSK	1	0	1	99	19.22	20.80

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.11	23.00
42590	42788	QPSK	1	99	1	0	22.19	23.00
42990	42792	QPSK	1	0	1	99	22	23.00

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.37	21.60
132322	132520	QPSK	1	99	1	0	20.46	21.60
132572	132374	QPSK	1	0	1	99	20.28	21.60

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.55	20.90
132322	132520	QPSK	1	99	1	0	19.64	20.90
132572	132374	QPSK	1	0	1	99	19.49	20.90

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.27	21.60
132322	132415	QPSK	1	74	1	0	20.33	21.60
132597	132504	QPSK	1	0	1	24	20.18	21.60

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.67	20.90
132322	132415	QPSK	1	74	1	0	19.70	20.90
132597	132504	QPSK	1	0	1	74	19.53	20.90



### Uplink CA Reduced Power for ECI7

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.74	18.00
21100	21298	QPSK	1	99	1	0	16.88	18.00
21350	21152	QPSK	1	0	1	99	16.72	18.00

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	14.94	16.70
21100	21298	QPSK	1	99	1	0	15.13	16.70
21350	21152	QPSK	1	0	1	99	15.08	16.70

CA_38C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.94	20.40
37901	38099	QPSK	1	99	1	0	19.03	20.40
38150	37952	QPSK	1	0	1	99	18.91	20.40

CA_38C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.58	19.50
37901	38099	QPSK	1	99	1	0	17.60	19.50
38150	37952	QPSK	1	0	1	99	17.55	19.50

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.94	22.10
40185	40383	QPSK	1	99	1	0	20.99	22.10
40620	40818	QPSK	1	99	1	0	21.02	22.10
41055	41253	QPSK	1	99	1	0	20.95	22.10
41490	41292	QPSK	1	0	1	99	20.81	22.10

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.88	19.10
40185	40383	QPSK	1	99	1	0	17.74	19.10
40620	40818	QPSK	1	99	1	0	17.97	19.10
41055	41253	QPSK	1	99	1	0	17.91	19.10
41490	41292	QPSK	1	0	1	99	17.79	19.10

CA_42C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.11	17.20
42590	42788	QPSK	1	99	1	0	16.29	17.20
42990	42792	QPSK	1	0	1	99	16.01	17.20

CA_42C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.1	24.00
42590	42788	QPSK	1	99	1	0	22.22	24.00
42990	42792	QPSK	1	0	1	99	22.16	24.00

CA_42C Ant 7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	14.05	15.30
42590	42788	QPSK	1	99	1	0	14.15	15.30
42990	42792	QPSK	1	0	1	99	13.92	15.30

CA_42C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.17	17.80
42590	42788	QPSK	1	99	1	0	16.18	17.80
42990	42792	QPSK	1	0	1	99	16.09	17.80

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.36	17.70
132322	132520	QPSK	1	99	1	0	16.43	17.70
132572	132374	QPSK	1	0	1	99	16.37	17.70

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	13.63	15.20
132322	132520	QPSK	1	99	1	0	13.65	15.20
132572	132374	QPSK	1	0	1	99	13.59	15.20

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.18	17.70
132322	132415	QPSK	1	74	1	0	16.29	17.70
132597	132504	QPSK	1	0	1	24	16.19	17.70

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	13.76	15.20
132322	132415	QPSK	1	74	1	0	13.84	15.20
132597	132504	QPSK	1	0	1	74	13.74	15.20





### Default Power for FR1 Main PA

n2 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				375000	376000	377000				
Frequency (MHz)				1875	1880	1885				
50	PI/2 BPSK	1	1	22.38	22.47	22.45	23.5	0		
50	PI/2 BPSK	1	135	22.28	22.43	22.42				
50	PI/2 BPSK	1	268	22.34	22.4	22.3				
50	PI/2 BPSK	135	0	22.01	22.09	22.06	23	0.5		
50	PI/2 BPSK	135	68	22.54	22.59	22.48	23.5	0		
50	PI/2 BPSK	135	135	21.81	21.95	21.86	23	0.5		
50	PI/2 BPSK	270	0	21.98	22.09	21.97				
50	QPSK	1	1	22.51	22.64	22.58	23.5	0		
50	QPSK	1	135	22.3	22.39	22.31				
50	QPSK	1	268	22.24	22.38	22.34				
50	QPSK	135	0	21.52	21.58	21.51	22.5	1		
50	QPSK	135	68	22.46	22.57	22.5	23.5	0		
50	QPSK	135	135	21.38	21.44	21.36	22.5	1		
50	QPSK	270	0	21.43	21.59	21.52				
50	16QAM	1	1	21.11	21.16	21.06	22.5	1		
50	64QAM	1	1	19.56	19.72	19.68	21	2.5		
50	256QAM	1	1	18.3	18.37	18.25	19	4.5		
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1870	1880	1890				
40	QPSK	1	1	22.31	22.59	22.33	23.5	0		
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1895				
30	QPSK	1	1	22.38	22.57	22.39	23.5	0		
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	22.5	22.6	22.47	23.5	0		
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	22.33	22.56	22.36	23.5	0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	22.4	22.57	22.51	23.5	0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	22.41	22.54	22.54	23.5	0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	22.41	22.58	22.5	23.5	0		

n5 Ant 0										
BW [MHz]	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	PI/2 BPSK	1	1			22.71	24	0		
25	PI/2 BPSK	1	64			22.85				
25	PI/2 BPSK	1	131			23.02				
25	PI/2 BPSK	64	0			22.32	23.5	0.5		
25	PI/2 BPSK	64	33			22.9	24	0		
25	PI/2 BPSK	64	65			22.26	23.5	0.5		
25	PI/2 BPSK	128	0			22.47				
25	QPSK	1	1			23.08	24	0		
25	QPSK	1	64			22.94				
25	QPSK	1	131			22.92				
25	QPSK	64	0			21.96	23	1		
25	QPSK	64	33			23.03	24	0		
25	QPSK	64	65			21.71	23	1		
25	QPSK	128	0			21.96				
25	16QAM	1	1			21.48	23	1		
25	64QAM	1	1			20.06	21.5	2.5		
25	256QAM	1	1			18.53	19.5	4.5		
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				834	836.5	839				
20	QPSK	1	1	22.93	23.01	22.96	24	0		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.77	23.04	22.84	24	0		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.78	23.04	22.79	24	0		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.84	22.95	22.87	24	0		



n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.67	22.83	22.74	24	0	
50	PI/2 BPSK	1	135	22.86	22.94	22.78			
50	PI/2 BPSK	1	268	22.89	22.93	22.78			
50	PI/2 BPSK	135	0	22.32	22.48	22.41	23.5	0.5	
50	PI/2 BPSK	135	68	22.74	22.88	22.84	24	0	
50	PI/2 BPSK	135	135	22.41	22.49	22.33	23.5	0.5	
50	PI/2 BPSK	270	0	22.43	22.47	22.34			
50	QPSK	1	1	22.87	23.02	22.99	24	0	
50	QPSK	1	135	22.74	22.86	22.83			
50	QPSK	1	268	22.86	22.95	22.81			
50	QPSK	135	0	21.85	21.93	21.81	23	1	
50	QPSK	135	68	22.97	23.01	22.86	24	0	
50	QPSK	135	135	21.77	21.96	21.96	23	1	
50	QPSK	270	0	21.84	21.94	21.89			
50	16QAM	1	1	21.5	21.56	21.38	23	1	
50	64QAM	1	1	19.94	20.09	20.09	21.5	2.5	
50	256QAM	1	1	18.53	18.73	18.69	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24	0	
40	QPSK	1	1	22.86	22.9	22.97	24	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24	0	
30	QPSK	1	1	22.82	23	22.98	24	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24	0	
25	QPSK	1	1	22.82	22.95	22.95	24	0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24	0	
20	QPSK	1	1	22.73	22.92	22.97	24	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24	0	
15	QPSK	1	1	22.69	22.98	22.85	24	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24	0	
10	QPSK	1	1	22.72	22.88	22.83	24	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24	0	
5	QPSK	1	1	22.75	23.01	22.81	24	0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.08	23.06	23.03	24	0	
40	PI/2 BPSK	1	108	23.24	23.19	23.12			
40	PI/2 BPSK	1	214	23.02	23.07	23.16			
40	PI/2 BPSK	108	0	22.63	22.72	22.63	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.11	23.17	24	0	
40	PI/2 BPSK	108	108	22.52	22.71	22.68	23.5	0.5	
40	PI/2 BPSK	216	0	22.52	22.72	22.81			
40	QPSK	1	1	23.21	23.25	23.11	24	0	
40	QPSK	1	108	23.1	23.04	23.07			
40	QPSK	1	214	23.01	23.24	22.97			
40	QPSK	108	0	22.22	22.17	22.07	23	1	
40	QPSK	108	54	23.19	23.23	23.12	24	0	
40	QPSK	108	108	21.98	22.29	22.15	23	1	
40	QPSK	216	0	22.22	22.23	22.1			
40	16QAM	1	1	21.82	21.78	21.64	23	1	
40	64QAM	1	1	20.31	20.29	20.17	21.5	2.5	
40	256QAM	1	1	18.8	19.08	18.78	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24	0	
30	QPSK	1	1	23.13	23.16	23.02	24	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24	0	
25	QPSK	1	1	23.23	23.13	22.92	24	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24	0	
20	QPSK	1	1	23.07	23.12	22.9	24	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24	0	
15	QPSK	1	1	23.13	23.2	23	24	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24	0	
10	QPSK	1	1	23.14	23.25	23.04	24	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24	0	
5	QPSK	1	1	23.11	23.21	23.09	24	0	



n38 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1	23.3	23.24	23.17			
40	PI/2 BPSK	1	108	23.24	23.19	23.14	24	0	
40	PI/2 BPSK	1	214	23.05	23.25	23.21			
40	PI/2 BPSK	108	0	22.48	22.75	22.81	23.5	0.5	
40	PI/2 BPSK	108	54	23.27	23.21	23.04	24	0	
40	PI/2 BPSK	108	108	22.48	22.57	22.66	23.5	0.5	
40	PI/2 BPSK	216	0	22.66	22.86	22.64			
40	QPSK	1	1	23.26	23.37	23.25			
40	QPSK	1	108	22.95	23.22	23.08	24	0	
40	QPSK	1	214	23.16	23.11	23.04			
40	QPSK	108	0	22.25	22.22	22.13	23	1	
40	QPSK	108	54	23.09	23.25	23.15	24	0	
40	QPSK	108	108	22.14	22.16	22.03	23	1	
40	QPSK	216	0	22.21	22.29	22.24	23	1	
40	16QAM	1	1	22.02	22.07	22.04	23	1	
40	64QAM	1	1	20.57	20.72	20.4	21.5	2.5	
40	256QAM	1	1	19.2	19.22	19.36	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.75	22.86	22.76	24	0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.76	22.89	22.78	24	0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.73	22.91	22.77	24	0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.75	22.86	22.79	24	0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.73	22.92	22.75	24	0	

n41 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1	22.67	22.83	22.93			
100	PI/2 BPSK	1	137	22.98	22.98	23.09	24	0	
100	PI/2 BPSK	1	271	22.62	22.9	22.53			
100	PI/2 BPSK	135	0	22.46	22.5	22.46	23.5	0.5	
100	PI/2 BPSK	135	69	22.8	22.85	22.82	24	0	
100	PI/2 BPSK	135	138	22.09	22.38	22.27	23.5	0.5	
100	PI/2 BPSK	270	0	22.37	22.24	22.32			
100	QPSK	1	1	23.05	23.25	23.2			
100	QPSK	1	137	22.75	23	22.97	24	0	
100	QPSK	1	271	22.37	22.72	22.85			
100	QPSK	135	0	21.73	21.89	21.99	23	1	
100	QPSK	135	69	22.83	22.95	22.86	24	0	
100	QPSK	135	138	21.72	21.83	21.83	23	1	
100	QPSK	270	0	21.76	21.99	21.75			
100	16QAM	1	1	21.49	21.54	21.49	23	1	
100	64QAM	1	1	20.2	20.1	19.85	21.5	2.5	
100	256QAM	1	1	18.57	18.73	18.85	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.05	23.05	23.08	24	0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.94	23.24	23.02	24	0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.85	23.03	23.06	24	0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.88	23.22	23.02	24	0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.88	23.08	23.16	24	0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.87	23.03	23.12	24	0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.95	23.17	23.03	24	0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.96	23.09	23.19	24	0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.84	23.13	23.09	24	0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.01	23.18	23.17	24	0	



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	377000			
Frequency (MHz)				1875	1880	1885			
50	PI/2 BPSK	1	1	21.36	21.46	21.37			
50	PI/2 BPSK	1	135	21.49	21.54	21.49	23	0	
50	PI/2 BPSK	1	268	21.44	21.51	21.48			
50	PI/2 BPSK	135	0	21.07	21.14	21.06	22.5	0.5	
50	PI/2 BPSK	135	68	21.58	21.63	21.5	23	0	
50	PI/2 BPSK	135	135	20.85	21.03	20.98	22.5	0.5	
50	PI/2 BPSK	270	0	21.1	21.16	20.99			
50	QPSK	1	1	21.5	21.66	21.55			
50	QPSK	1	135	21.4	21.49	21.39	23	0	
50	QPSK	1	268	21.47	21.48	21.34			
50	QPSK	135	0	20.42	20.61	20.54	22	1	
50	QPSK	135	68	21.48	21.6	21.45	23	0	
50	QPSK	135	135	20.43	20.56	20.49	22	1	
50	QPSK	270	0	20.58	20.67	20.56			
50	16QAM	1	1	20.22	20.25	20.2	22	1	
50	64QAM	1	1	18.73	18.84	18.75	20.5	2.5	
50	256QAM	1	1	17.33	17.45	17.33	18.5	4.5	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	21.33	21.56	21.44	23	0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	21.4	21.64	21.49	23	0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	21.45	21.61	21.37	23	0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.39	21.53	21.44	23	0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.33	21.48	21.38	23	0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.24	21.44	21.38	23	0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.33	21.39	21.41	23	0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300					
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1		22.22				
25	PI/2 BPSK	1	64		22.39		24	0	
25	PI/2 BPSK	1	131		22.48				
25	PI/2 BPSK	64	0		22.15		23.5	0.5	
25	PI/2 BPSK	64	33		22.59		24	0	
25	PI/2 BPSK	64	65		21.93				
25	PI/2 BPSK	128	0		22.14		23.5	0.5	
25	QPSK	1	1		22.73				
25	QPSK	1	64		22.47		24	0	
25	QPSK	1	131		22.42				
25	QPSK	64	0		21.63		23	1	
25	QPSK	64	33		22.62		24	0	
25	QPSK	64	65		21.47				
25	QPSK	128	0		21.72		23	1	
25	16QAM	1	1		21.09		23	1	
25	64QAM	1	1		19.5		21.5	2.5	
25	256QAM	1	1		18.39		19.5	4.5	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.7	22.71	22.68	24	0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.6	22.71	24	0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.66	22.67	22.71	24	0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.68	22.6	22.6	24	0	



n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.79	22.85	22.79		
50	PI/2 BPSK	1	135	23.03	23.09	22.95	24	0
50	PI/2 BPSK	1	268	23.03	23.09	23.01		
50	PI/2 BPSK	135	0	22.46	22.48	22.41	23.5	0.5
50	PI/2 BPSK	135	68	22.93	23.05	22.95	24	0
50	PI/2 BPSK	135	135	22.51	22.52	22.38	23.5	0.5
50	PI/2 BPSK	270	0	22.49	22.57	22.43		
50	QPSK	1	1	22.97	23.15	23.06		
50	QPSK	1	135	22.93	23.04	23.03	24	0
50	QPSK	1	268	22.92	23.04	22.99		
50	QPSK	135	0	21.84	21.97	21.88	23	1
50	QPSK	135	68	23.06	23.14	23.03	24	0
50	QPSK	135	135	21.9	21.99	21.85	23	1
50	QPSK	270	0	21.92	22.04	21.92		
50	16QAM	1	1	21.35	21.48	21.46	23	1
50	64QAM	1	1	19.94	19.97	19.91	21.5	2.5
50	256QAM	1	1	18.45	18.62	18.58	19.5	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.94	23.14	23	24	0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.96	23.11	23.03	24	0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.93	23.14	22.92	24	0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.95	23.07	22.99	24	0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.92	23.07	23.02	24	0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.79	22.97	22.95	24	0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.8	23.07	23.04	24	0

n66 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.86	22.94	23.09		
40	PI/2 BPSK	1	108	22.77	22.94	22.85	24	0
40	PI/2 BPSK	1	214	22.8	22.95	22.95		
40	PI/2 BPSK	108	0	22.32	22.63	22.32	23.5	0.5
40	PI/2 BPSK	108	54	22.88	23.12	23.01	24	0
40	PI/2 BPSK	108	108	22.35	22.56	22.44	23.5	0.5
40	PI/2 BPSK	216	0	22.58	22.64	22.49		
40	QPSK	1	1	23.15	23.27	23.11		
40	QPSK	1	108	22.87	23.11	23.09	24	0
40	QPSK	1	214	22.8	22.91	22.94		
40	QPSK	108	0	21.84	22.17	21.99	23	1
40	QPSK	108	54	22.96	23.13	22.83	24	0
40	QPSK	108	108	21.92	22.07	22.16	23	1
40	QPSK	216	0	21.97	22.12	22.06		
40	16QAM	1	1	21.6	21.68	21.35	23	1
40	64QAM	1	1	19.98	20.04	20.2	21.5	2.5
40	256QAM	1	1	18.65	18.95	18.77	19.5	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.1	23.06	22.99	24	0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.99	23.06	23.11	24	0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.05	23.08	23	24	0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.1	23.2	22.9	24	0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.04	23.19	22.96	24	0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.15	23.24	23.11	24	0



n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.4	23.55	23.4			
40	PI/2 BPSK	1	108	23.26	23.28	23.29	24	0	
40	PI/2 BPSK	1	214	23.18	23.4	23.18			
40	PI/2 BPSK	108	0	22.72	22.8	22.63	23.5	0.5	
40	PI/2 BPSK	108	54	23.3	23.16	23.26	24	0	
40	PI/2 BPSK	108	108	22.44	22.43	22.51			
40	PI/2 BPSK	216	0	22.57	22.65	22.51	23.5	0.5	
40	QPSK	1	1	23.45	23.57	23.24			
40	QPSK	1	108	23.25	23.36	23.2	24	0	
40	QPSK	1	214	23.21	23.16	23.02			
40	QPSK	108	0	22.08	22.14	22.27	23	1	
40	QPSK	108	54	22.99	23.19	23.14	24	0	
40	QPSK	108	108	22.07	22	21.91			
40	QPSK	216	0	22.24	22.25	22.09	23	1	
40	16QAM	1	1	21.89	22	21.76	23	1	
40	64QAM	1	1	20.37	20.42	20.57	21.5	2.5	
40	256QAM	1	1	19.01	19.13	19.05	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.91	23.06	22.69	24	0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23	23.06	22.75	24	0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.99	23.05	22.7	24	0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.98	23.05	22.76	24	0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23	23.09	22.7	24	0	

n41 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.55	22.47	22.41			
100	PI/2 BPSK	1	137	22.27	22.32	22.49	24	0	
100	PI/2 BPSK	1	271	22.31	22.48	22.46			
100	PI/2 BPSK	135	0	22.05	21.94	21.89	23.5	0.5	
100	PI/2 BPSK	135	69	22.46	22.44	22.36	24	0	
100	PI/2 BPSK	135	138	21.81	21.92	21.91			
100	PI/2 BPSK	270	0	22.01	22	21.92	23.5	0.5	
100	QPSK	1	1	22.65	22.73	22.66			
100	QPSK	1	137	22.53	22.51	22.48	24	0	
100	QPSK	1	271	22.01	21.99	22.22			
100	QPSK	135	0	21.45	21.51	21.44	23	1	
100	QPSK	135	69	22.54	22.55	22.54	24	0	
100	QPSK	135	138	21.26	21.36	21.3			
100	QPSK	270	0	21.5	21.54	21.51	23	1	
100	16QAM	1	1	21.22	21.19	21.03	23	1	
100	64QAM	1	1	19.67	19.5	19.63	21.5	2.5	
100	256QAM	1	1	18.18	18.2	18.21	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.62	22.62	22.6	24	0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.56	22.62	22.53	24	0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.61	22.71	22.51	24	0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.67	22.63	22.56	24	0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.55	22.6	22.66	24	0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.54	22.63	22.63	24	0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.5	22.64	22.66	24	0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.55	22.71	22.44	24	0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.65	22.66	22.5	24	0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.61	22.63	22.53	24	0	



n38 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	23.02	23.11	23.04			
40	P12 BPSK	1	108	22.5	22.6	22.58			
40	P12 BPSK	1	214	21.89	21.98	21.81			
40	P12 BPSK	108	0	22.16	22.34	22.21	23.5	0.5	
40	P12 BPSK	108	54	22.53	22.53	22.43	24	0	
40	P12 BPSK	108	108	22.15	22.23	22.07			23.5 0.5
40	P12 BPSK	216	0	22.07	22.19	22.09			
40	QPSK	1	1	22.92	23.12	23.01			
40	QPSK	1	108	22.74	22.77	22.56			24 0
40	QPSK	1	214	22.09	22.03	22.11			
40	QPSK	108	0	21.88	21.89	21.77	23	1	
40	QPSK	108	54	22.4	22.54	22.49	24	0	
40	QPSK	108	108	21.11	22.5	21.01			23 1
40	QPSK	216	0	21.44	21.59	21.52			
40	16QAM	1	1	21.88	21.96	21.85	23	1	
40	16QAM	1	1	20.81	20.63	20.64	21.5	2.5	
40	256QAM	1	1	19.24	19.29	19.15	19.5	4.5	
Channel									
Frequency (MHz)									
				519004	519000	519996			
				2590.02	2595	2599.98			
30	QPSK	1	1	22.83	22.96	22.84	24	0	
Channel									
Frequency (MHz)									
				516504	519000	521496		MPR	
				2592.92	2595	2607.08		(dBm)	(dB)
25	QPSK	1	1	22.79	23.11	22.82	24	0	
Channel									
Frequency (MHz)									
				515000	519000	522000		MPR	
				2580	2595	2610		(dBm)	(dB)
20	QPSK	1	1	22.83	22.92	23.01	24	0	
Channel									
Frequency (MHz)									
				515002	519000	522498		MPR	
				2575.52	2595	2612.49		(dBm)	(dB)
15	QPSK	1	1	22.8	23.07	22.89	24	0	
Channel									
Frequency (MHz)									
				515004	519000	522996		MPR	
				2575.02	2595	2614.98		(dBm)	(dB)
10	QPSK	1	1	22.72	23.01	22.97	24	0	

Par270 n77 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.56	22.87	22.6			
100	P12 BPSK	1	137	22.89	22.78	22.7			
100	P12 BPSK	1	271	22.87	22.92	22.5			
100	P12 BPSK	135	0	22.85	22.91	22.48	23.5	0.5	
100	P12 BPSK	135	69	22.71	22.76	22.55	24	0	
100	P12 BPSK	135	138	22.86	22.8	22.7			23.5 0.5
100	P12 BPSK	270	0	22.85	22.73	22.65			
100	QPSK	1	1	22.72	22.93	22.89			
100	QPSK	1	137	22.81	22.74	22.47	24	0	
100	QPSK	1	271	22.54	22.84	22.66			
100	QPSK	135	0	21.89	21.82	21.69	23	1	
100	QPSK	135	69	22.54	22.87	22.48	24	0	
100	QPSK	135	138	21.76	21.93	21.74			23 1
100	QPSK	270	0	21.85	21.86	21.8			
100	16QAM	1	1	21.88	21.96	21.59	23	1	
100	16QAM	1	1	20.31	20.37	20.24	21.5	2.5	
100	256QAM	1	1	18.18	18.54	18.18	19.5	4.5	
Channel									
Frequency (MHz)									
				646988	650000	653334		MPR	
				3745.02	3840	3935.01		(dBm)	(dB)
90	QPSK	1	1	22.2	22.38	22.17	24	0	
Channel									
Frequency (MHz)									
				649334	650000	662668		Tune-up limit (dBm)	MPR (dB)
				3740.01	3840	3930.02		(dBm)	(dB)
80	QPSK	1	1	22.24	22.39	22.18	24	0	
Channel									
Frequency (MHz)									
				649000	650000	653000		Tune-up limit (dBm)	MPR (dB)
				3735	3840	3945		(dBm)	(dB)
70	QPSK	1	1	22.2	22.41	22.23	24	0	
Channel									
Frequency (MHz)									
				648668	650000	663334		Tune-up limit (dBm)	MPR (dB)
				3730.02	3840	3950.01		(dBm)	(dB)
60	QPSK	1	1	22.18	22.4	22.14	24	0	
Channel									
Frequency (MHz)									
				648334	650000	663668		Tune-up limit (dBm)	MPR (dB)
				3725.01	3840	3955.02		(dBm)	(dB)
50	QPSK	1	1	22.19	22.47	22.15	24	0	
Channel									
Frequency (MHz)									
				645000	650000	665000		Tune-up limit (dBm)	MPR (dB)
				3720	3840	3960		(dBm)	(dB)
40	QPSK	1	1	22.25	22.47	22.19	24	0	
Channel									
Frequency (MHz)									
				647668	650000	664334		Tune-up limit (dBm)	MPR (dB)
				3715.02	3840	3955.01		(dBm)	(dB)
30	QPSK	1	1	22.17	22.4	22.22	24	0	
Channel									
Frequency (MHz)									
				647334	650000	664668		Tune-up limit (dBm)	MPR (dB)
				3710.01	3840	3970.02		(dBm)	(dB)
20	QPSK	1	1	22.17	22.47	22.24	24	0	
Channel									
Frequency (MHz)									
				647188	650000	664834		Tune-up limit (dBm)	MPR (dB)
				3707.52	3840	3972.51		(dBm)	(dB)
15	QPSK	1	1	22.21	22.39	22.19	24	0	
Channel									
Frequency (MHz)									
				647000	650000	665000		Tune-up limit (dBm)	MPR (dB)
				3705	3840	3975		(dBm)	(dB)
10	QPSK	1	1	22.22	22.44	22.19	24	0	

Part270 n78 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		22.4				
100	P12 BPSK	1	137		22.46				
100	P12 BPSK	1	271		22.55				
100	P12 BPSK	135	0		22.46		23.5	0.5	
100	P12 BPSK	135	69		22.27		24	0	
100	P12 BPSK	135	138		22.33				23.5 0.5
100	P12 BPSK	270	0		22.22				
100	QPSK	1	1		22.57				
100	QPSK	1	137		22.28				24 0
100	QPSK	1	271		22.53				
100	QPSK	135	0		21.83		23	1	
100	QPSK	135	69		22.44		24	0	
100	QPSK	135	138		21.6				23 1
100	QPSK	270	0		21.54				
100	16QAM	1	1		21.58		23	1	
100	16QAM	1	1		20.95		21.5	2.5	
100	256QAM	1	1		18.11		19.5	4.5	
Channel									
Frequency (MHz)									
				646988	650000	663034		Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		(dBm)	(dB)
90	QPSK	1	1	22.5	22.51	22.46	24	0	
Channel									
Frequency (MHz)									
				649334	650000	669668		Tune-up limit (dBm)	MPR (dB)
				3740.01	3750	3760.02		(dBm)	(dB)
80	QPSK	1	1	22.4	22.47	22.38	24	0	
Channel									
Frequency (MHz)									
				649000	650000	661000		Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		(dBm)	(dB)
70	QPSK	1	1	22.53	22.41	22.37	24	0	
Channel									
Frequency (MHz)									
				648668	650000	661334		Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		(dBm)	(dB)
60	QPSK	1	1	22.48	22.49	22.39	24	0	
Channel									
Frequency (MHz)									
				648334	650000	661668		Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3775.02		(dBm)	(dB)
50	QPSK	1	1	22.54	22.48	22.51	24	0	
Channel									
Frequency (MHz)									
				645000	650000	663000		Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		(dBm)	(dB)
40	QPSK	1	1	22.44	22.5	22.44	24	0	
Channel									
Frequency (MHz)									
				647668	650000	662334		Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3735.01		(dBm)	(dB)
30	QPSK	1	1	22.5	22.42	22.47	24	0	
Channel									
Frequency (MHz)									
				647334	650000	662668		Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		(dBm)	(dB)
20	QPSK	1	1	22.47	22.37	22.4	24	0	
Channel									
Frequency (MHz)									
				647188	650000	662834		Tune-up limit (dBm)	MPR (dB)
				3707.52	3750	3792.51		(dBm)	(dB)
15	QPSK	1	1	22.53	22.48	22.37	24	0	
Channel									
Frequency (MHz)									
				647000	650000	663000		Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		(dBm)	(dB)
10	QPSK	1	1	22.53	22.4	22.43	24	0	



Par270 n77 Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	22.97	22.92	22.88				
100	PI/2 BPSK	1	137	22.89	22.96	22.9	24			0
100	PI/2 BPSK	1	271	22.96	22.87	22.72				
100	PI/2 BPSK	135	0	22.83	23.06	23.04	23.5			0.5
100	PI/2 BPSK	135	69	23.1	22.97	23	24			0
100	PI/2 BPSK	135	138	22.75	22.95	22.75	23.5			0.5
100	PI/2 BPSK	270	0	22.9	22.99	22.84				
100	QPSK	1	1	23.32	23.37	23.34				
100	QPSK	1	137	22.94	23.22	23.1	24			0
100	QPSK	1	271	22.99	23.03	23.02				
100	QPSK	135	0	22.41	22.3	22.42	23			1
100	QPSK	135	69	23.13	23.16	23.02	24			0
100	QPSK	135	138	22.38	22.28	22.25	23			1
100	QPSK	270	0	22.32	22.42	22.24				
100	16QAM	1	1	22.3	22.44	22.46	23			1
100	64QAM	1	1	20.84	20.76	20.75	21.5			2.5
100	256QAM	1	1	18.71	18.75	18.75	19.5			4.5
Channel				649688	656000	662334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	22.57	22.58	22.51	24			0
Channel				649334	656000	662668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02				
80	QPSK	1	1	22.5	22.61	22.57	24			0
Channel				649000	656000	663000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	22.49	22.59	22.55	24			0
Channel				648688	656000	663334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01				
60	QPSK	1	1	22.52	22.61	22.54	24			0
Channel				648334	656000	663668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	22.48	22.58	22.56	24			0
Channel				648000	656000	664000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	22.5	22.61	22.53	24			0
Channel				647668	656000	664334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01				
30	QPSK	1	1	22.52	22.56	22.57	24			0
Channel				647334	656000	664668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	22.48	22.53	22.59	24			0
Channel				647168	656000	664834	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51				
15	QPSK	1	1	22.51	22.59	22.53	24			0
Channel				647000	656000	665000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	22.53	22.54	22.49	24			0

Par270 n77 HPUE Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	25.93	25.91	25.98				
100	PI/2 BPSK	1	137	25.79	25.94	25.91	27			0
100	PI/2 BPSK	1	271	25.93	25.96	25.77				
100	PI/2 BPSK	135	0	25.74	25.95	25.95	26.5			0.5
100	PI/2 BPSK	135	69	26.17	26.03	25.94	27			0
100	PI/2 BPSK	135	138	25.73	25.92	25.88	26.5			0.5
100	PI/2 BPSK	270	0	25.99	25.92	25.81				
100	QPSK	1	1	26.21	26.31	26.25				
100	QPSK	1	137	26.02	26.16	26.2	27			0
100	QPSK	1	271	26.04	26.11	26.03				
100	QPSK	135	0	25.01	25.29	24.98	26			1
100	QPSK	135	69	26.25	26.26	26.19	27			0
100	QPSK	135	138	24.99	25.22	25.13	26			1
100	QPSK	270	0	24.88	25.22	25.09				
100	16QAM	1	1	25.04	25.02	24.99	26			1
100	64QAM	1	1	23.39	23.46	23.49	24.5			2.5
100	256QAM	1	1	21.6	21.62	21.6	22.5			4.5
Channel				649688	656000	662334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	26.22	26.29	26.15	27			0
Channel				649334	656000	662668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02				
80	QPSK	1	1	26.06	26.1	26.26	27			0
Channel				649000	656000	663000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	26.19	26.18	26.1	27			0
Channel				648688	656000	663334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01				
60	QPSK	1	1	26.08	26.2	26.19	27			0
Channel				648334	656000	663668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	26.14	26.12	26.11	27			0
Channel				648000	656000	664000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	26.06	26.22	26.15	27			0
Channel				647668	656000	664334	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01				
30	QPSK	1	1	26.2	26.12	26.17	27			0
Channel				647334	656000	664668	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	26.06	26.29	26.1	27			0
Channel				647168	656000	664834	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51				
15	QPSK	1	1	26.13	26.27	26.24	27			0
Channel				647000	656000	665000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	26.18	26.22	26.22	27			0





Part270 n78 Ant 4									
BW [MHz]	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)									
650000									
100	PI/2 BPSK	1	1	22.91					
100	PI/2 BPSK	1	137	22.82			24	0	
100	PI/2 BPSK	1	271	22.77					
100	PI/2 BPSK	135	0	22.98			23.5	0.5	
100	PI/2 BPSK	135	69	22.83			24	0	
100	PI/2 BPSK	135	138	22.97			23.5	0.5	
100	PI/2 BPSK	270	0	22.83					
100	QPSK	1	1	23.34					
100	QPSK	1	137	23.2			24	0	
100	QPSK	1	271	22.89					
100	QPSK	135	0	22.43			23	1	
100	QPSK	135	69	23.13			24	0	
100	QPSK	135	138	22.25			23	1	
100	QPSK	270	0	22.24					
100	16QAM	1	1	22.24			23	1	
100	64QAM	1	1	20.95			21.5	2.5	
100	256QAM	1	1	18.59			19.5	4.5	
Channel									
Frequency (MHz)									
649688 650000 650334									
3745.02 3750 3755.01									
90	QPSK	1	1	22.49	22.58	22.53	24	0	
Channel									
Frequency (MHz)									
649334 650000 650668									
3740.01 3750 3760.02									
80	QPSK	1	1	22.49	22.55	22.58	24	0	
Channel									
Frequency (MHz)									
649000 650000 651000									
3735 3750 3765									
70	QPSK	1	1	22.49	22.53	22.55	24	0	
Channel									
Frequency (MHz)									
648688 650000 651334									
3730.02 3750 3770.01									
60	QPSK	1	1	22.55	22.61	22.53	24	0	
Channel									
Frequency (MHz)									
648334 650000 651668									
3725.01 3750 3775.02									
50	QPSK	1	1	22.52	22.59	22.58	24	0	
Channel									
Frequency (MHz)									
648000 650000 652000									
3720 3750 3780									
40	QPSK	1	1	22.5	22.53	22.52	24	0	
Channel									
Frequency (MHz)									
647688 650000 652334									
3715.02 3750 3785.01									
30	QPSK	1	1	22.53	22.53	22.58	24	0	
Channel									
Frequency (MHz)									
647334 650000 652668									
3710.01 3750 3790.02									
20	QPSK	1	1	22.51	22.62	22.59	24	0	
Channel									
Frequency (MHz)									
647168 650000 652834									
3707.52 3750 3792.51									
15	QPSK	1	1	22.55	22.59	22.57	24	0	
Channel									
Frequency (MHz)									
647000 650000 653000									
3705 3750 3795									
10	QPSK	1	1	22.57	22.53	22.55	24	0	

Part270 n78 HPUE Ant 4									
BW [MHz]	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)									
3750									
100	PI/2 BPSK	1	1	26.21					
100	PI/2 BPSK	1	137	26.18			27	0	
100	PI/2 BPSK	1	271	26.19					
100	PI/2 BPSK	135	0	25.17			26.5	0.5	
100	PI/2 BPSK	135	69	26.25			27	0	
100	PI/2 BPSK	135	138	25.3			26.5	0.5	
100	PI/2 BPSK	270	0	25.13					
100	QPSK	1	1	26.28					
100	QPSK	1	137	26.19			27	0	
100	QPSK	1	271	26.25					
100	QPSK	135	0	25.19			26	1	
100	QPSK	135	69	25.2			27	0	
100	QPSK	135	138	25.30			26	1	
100	QPSK	270	0	25.27					
100	16QAM	1	1	25.3			26	1	
100	64QAM	1	1	23.84			24.5	2.5	
100	256QAM	1	1	21.7			22.5	4.5	
Channel									
Frequency (MHz)									
649688 650000 650334									
3745.02 3750 3755.01									
90	QPSK	1	1	26.07	26.18	26.04	27	0	
Channel									
Frequency (MHz)									
649334 650000 650668									
3740.01 3750 3760.02									
80	QPSK	1	1	26.12	26.18	26.23	27	0	
Channel									
Frequency (MHz)									
649000 650000 651000									
3735 3750 3765									
70	QPSK	1	1	26.08	26.12	26.04	27	0	
Channel									
Frequency (MHz)									
648688 650000 651334									
3730.02 3750 3770.01									
60	QPSK	1	1	26.18	26.1	26.18	27	0	
Channel									
Frequency (MHz)									
648334 650000 651668									
3725.01 3750 3775.02									
50	QPSK	1	1	26.18	26.15	26.17	27	0	
Channel									
Frequency (MHz)									
648000 650000 652000									
3720 3750 3780									
40	QPSK	1	1	26.22	26.12	26.05	27	0	
Channel									
Frequency (MHz)									
647688 650000 652334									
3715.02 3750 3785.01									
30	QPSK	1	1	26.22	26.11	26.22	27	0	
Channel									
Frequency (MHz)									
647334 650000 652668									
3710.01 3750 3790.02									
20	QPSK	1	1	26.1	26.17	26.1	27	0	
Channel									
Frequency (MHz)									
647168 650000 652834									
3707.52 3750 3792.51									
15	QPSK	1	1	26.13	26.27	26.08	27	0	
Channel									
Frequency (MHz)									
647000 650000 653000									
3705 3750 3795									
10	QPSK	1	1	26	26.21	26.19	27	0	

n38 Ant 6								
BW [MHz]	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	PI/2 BPSK	1	1	22.6	22.61	22.64		
40	PI/2 BPSK	1	108	22.4	22.36	22.48	24	0
40	PI/2 BPSK	1	214	22.06	21.89	22.05		
40	PI/2 BPSK	108	0	21.36	21.5	21.32	23.5	0.5
40	PI/2 BPSK	108	54	22.34	22.45	22.33	24	0
40	PI/2 BPSK	108	108	21.1	21.13	20.98		
40	PI/2 BPSK	216	0	21.25	21.39	21.27	23.5	0.5
40	QPSK	1	1	22.63	22.79	22.75		
40	QPSK	1	108	22.44	22.51	22.34	24	0
40	QPSK	1	214	22.13	22.04	22.11		
40	QPSK	108	0	21.42	21.53	21.34	23	1
40	QPSK	108	54	22.31	22.48	22.34	24	0
40	QPSK	108	108	20.99	21.2	21.09		
40	QPSK	216	0	21.35	21.42	21.39	23	1
40	16QAM	1	1	21.33	21.36	21.14	23	1
40	64QAM	1	1	19.78	20	19.93	21.5	2.5
40	256QAM	1	1	18.43	18.56	18.36	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.61	22.77	22.54	24	0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.64	22.73	22.55	24	0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.55	22.61	22.54	24	0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.45	22.65	22.77	24	0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.44	22.72	22.57	24	0



Par270 n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.76	22.88	22.64			
100	PI/2 BPSK	1	137	22.77	22.82	22.66	24	0	
100	PI/2 BPSK	1	271	22.72	22.71	22.81			
100	PI/2 BPSK	135	0	22.48	22.4	22.48	23.5	0.5	
100	PI/2 BPSK	135	69	22.69	22.86	22.66	24	0	
100	PI/2 BPSK	135	138	22.46	22.36	22.35			
100	PI/2 BPSK	270	0	22.4	22.42	22.44	23.5	0.5	
100	QPSK	1	1	22.88	22.92	22.86			
100	QPSK	1	137	22.75	22.91	22.73	24	0	
100	QPSK	1	271	22.7	22.8	22.84			
100	QPSK	135	0	21.93	21.87	21.9	23	1	
100	QPSK	135	69	22.87	22.85	22.79	24	0	
100	QPSK	135	138	21.95	22.02	21.87			
100	QPSK	270	0	21.77	21.81	21.75	23	1	
100	16QAM	1	1	21.79	21.96	21.97	23	1	
100	64QAM	1	1	20.33	20.54	20.38	21.5	2.5	
100	256QAM	1	1	18.38	18.46	18.32	19.5	4.5	
Channel				649668	656000	662334			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.76	22.87	22.74	24	0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.74	22.8	22.77	24	0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.81	22.84	22.73	24	0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.76	22.86	22.79	24	0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.74	22.86	22.78	24	0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.74	22.79	22.71	24	0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.77	22.79	22.8	24	0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.79	22.79	22.8	24	0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.78	22.82	22.74	24	0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.82	22.85	22.78	24	0	

Part270 n78 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.5					
100	PI/2 BPSK	1	137	22.44			24	0	
100	PI/2 BPSK	1	271	22.25					
100	PI/2 BPSK	135	0	21.94			23.5	0.5	
100	PI/2 BPSK	135	69	22.49			24	0	
100	PI/2 BPSK	135	138	22.08					
100	PI/2 BPSK	270	0	22.03			23.5	0.5	
100	QPSK	1	1	22.58					
100	QPSK	1	137	22.51			24	0	
100	QPSK	1	271	22.4					
100	QPSK	135	0	21.69			23	1	
100	QPSK	135	69	22.54			24	0	
100	QPSK	135	138	21.49					
100	QPSK	270	0	21.67			23	1	
100	16QAM	1	1	21.62			23	1	
100	64QAM	1	1	20.39			21.5	2.5	
100	256QAM	1	1	18.33			19.5	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.31	22.35	22.3	24	0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.28	22.28	22.25	24	0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.24	22.33	22.31	24	0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	22.29	22.33	22.31	24	0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.23	22.33	22.26	24	0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.23	22.33	22.3	24	0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.25	22.28	22.29	24	0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.27	22.27	22.22	24	0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	22.26	22.27	22.3	24	0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.3	22.32	22.29	24	0	

Par270 n77 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.24	22.32	21.9			
100	PI/2 BPSK	1	137	22.13	22.4	21.95	23	0	
100	PI/2 BPSK	1	271	22.13	22.3	21.73			
100	PI/2 BPSK	135	0	22.25	22.29	21.84	22.5	0.5	
100	PI/2 BPSK	135	69	22.06	22.26	21.85	23	0	
100	PI/2 BPSK	135	138	22.36	22.39	21.96	22.5	0.5	
100	PI/2 BPSK	270	0	22.11	22.45	21.77			
100	QPSK	1	1	22.33	22.46	22.12			
100	QPSK	1	137	22.29	22.41	21.96	23	0	
100	QPSK	1	271	22.19	22.44	21.82			
100	QPSK	135	0	21.16	21.31	20.98	22	1	
100	QPSK	135	69	22.37	22.39	21.82	23	0	
100	QPSK	135	138	21.09	21.29	20.77	22.5	0.5	
100	QPSK	270	0	21.04	21.41	20.98	22	1	
100	16QAM	1	1	21.1	21.34	20.97	22	1	
100	64QAM	1	1	19.76	19.93	19.38	20.5	2.5	
100	256QAM	1	1	17.55	17.83	17.46	18.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.56	21.62	21.36	23	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.55	21.66	21.37	23	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	QPSK	1	1	21.49	21.61	21.33	23	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.51	21.63	21.3	23	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.52	21.64	21.27	23	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.57	21.68	21.35	23	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.5	21.66	21.28	23	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.51	21.63	21.36	23	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.56	21.64	21.31	23	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.54	21.68	21.29	23	0	

Part270 n78 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.86				
100	PI/2 BPSK	1	137		21.77		23	0	
100	PI/2 BPSK	1	271		21.88				
100	PI/2 BPSK	135	0		21.93		22.5	0.5	
100	PI/2 BPSK	135	69		22.09		23	0	
100	PI/2 BPSK	135	138		21.93		22.5	0.5	
100	PI/2 BPSK	270	0		21.89				
100	QPSK	1	1		22.11				
100	QPSK	1	137		22.03		23	0	
100	QPSK	1	271		21.75				
100	QPSK	135	0		21.23		22	1	
100	QPSK	135	69		22.04		23	0	
100	QPSK	135	138		21.11		22	1	
100	QPSK	270	0		21.02		22	1	
100	16QAM	1	1		21.1		22	1	
100	64QAM	1	1		19.63		20.5	2.5	
100	256QAM	1	1		17.61		18.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.51	21.67	21.37	23	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.49	21.66	21.28	23	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.52	21.62	21.36	23	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.55	21.66	21.33	23	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.55	21.61	21.35	23	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.49	21.63	21.35	23	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.56	21.67	21.35	23	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.49	21.67	21.3	23	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.53	21.68	21.36	23	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.53	21.63	21.33	23	0	



### Reduced Power Mode for Main PA EC12

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	377000			
Frequency (MHz)				1875	1880	1885			
50	PI/2 BPSK	1	1	22.38	22.47	22.45			
50	PI/2 BPSK	1	135	22.28	22.43	22.42	23.5	0	
50	PI/2 BPSK	1	268	22.34	22.4	22.3			
50	PI/2 BPSK	135	0	22.01	22.09	22.06	23	0.5	
50	PI/2 BPSK	135	68	22.54	22.59	22.48	23.5	0	
50	PI/2 BPSK	135	135	21.81	21.95	21.86	23	0.5	
50	PI/2 BPSK	270	0	21.98	22.09	21.97			
50	QPSK	1	1	22.51	22.64	22.58			
50	QPSK	1	135	22.3	22.39	22.31	23.5	0	
50	QPSK	1	268	22.24	22.38	22.34			
50	QPSK	135	0	21.52	21.58	21.51	22.5	1	
50	QPSK	135	68	22.46	22.57	22.5	23.5	0	
50	QPSK	135	135	21.38	21.44	21.36			
50	QPSK	270	0	21.43	21.59	21.52	22.5	1	
50	16QAM	1	1	21.11	21.16	21.06	22.5	1	
50	64QAM	1	1	19.56	19.72	19.68	21	2.5	
50	256QAM	1	1	18.3	18.37	18.25	19	4.5	
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	22.31	22.59	22.33	23.5	0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	22.38	22.57	22.39	23.5	0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	22.5	22.6	22.47	23.5	0	
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	22.33	22.56	22.36	23.5	0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.4	22.57	22.51	23.5	0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.41	22.54	22.54	23.5	0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.41	22.58	22.5	23.5	0	

n5 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1			22.71			
25	PI/2 BPSK	1	64			22.85	24	0	
25	PI/2 BPSK	1	131			23.02			
25	PI/2 BPSK	64	0			22.32	23.5	0.5	
25	PI/2 BPSK	64	33			22.9	24	0	
25	PI/2 BPSK	64	65			22.26			
25	PI/2 BPSK	128	0			22.47	23.5	0.5	
25	QPSK	1	1			23.08			
25	QPSK	1	64			22.94	24	0	
25	QPSK	1	131			22.92			
25	QPSK	64	0			21.96	23	1	
25	QPSK	64	33			23.03	24	0	
25	QPSK	64	65			21.71			
25	QPSK	128	0			21.96	23	1	
25	16QAM	1	1			21.48	23	1	
25	64QAM	1	1			20.06	21.5	2.5	
25	256QAM	1	1			18.53	19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.93	23.01	22.96	24	0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.77	23.04	22.84	24	0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.78	23.04	22.79	24	0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.84	22.95	22.87	24	0	



n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.67	22.83	22.74	24	0	
50	PI/2 BPSK	1	135	22.86	22.94	22.78			
50	PI/2 BPSK	1	268	22.89	22.93	22.78			
50	PI/2 BPSK	135	0	22.32	22.48	22.41	23.5	0.5	
50	PI/2 BPSK	135	68	22.74	22.88	22.84	24	0	
50	PI/2 BPSK	135	135	22.41	22.49	22.33	23.5	0.5	
50	PI/2 BPSK	270	0	22.43	22.47	22.34			
50	QPSK	1	1	22.87	23.02	22.99	24	0	
50	QPSK	1	135	22.74	22.86	22.83			
50	QPSK	1	268	22.86	22.95	22.81			
50	QPSK	135	0	21.85	21.93	21.81	23	1	
50	QPSK	135	68	22.97	23.01	22.86	24	0	
50	QPSK	135	135	21.77	21.96	21.96	23	1	
50	QPSK	270	0	21.84	21.94	21.89			
50	16QAM	1	1	21.5	21.56	21.38	23	1	
50	64QAM	1	1	19.94	20.09	20.09	21.5	2.5	
50	256QAM	1	1	18.53	18.73	18.69	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24	0	
40	QPSK	1	1	22.86	22.9	22.97	24	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24	0	
30	QPSK	1	1	22.82	23	22.98	24	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24	0	
25	QPSK	1	1	22.82	22.95	22.95	24	0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24	0	
20	QPSK	1	1	22.73	22.92	22.97	24	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24	0	
15	QPSK	1	1	22.69	22.98	22.85	24	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24	0	
10	QPSK	1	1	22.72	22.88	22.83	24	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24	0	
5	QPSK	1	1	22.75	23.01	22.81	24	0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.08	23.06	23.03	24	0	
40	PI/2 BPSK	1	108	23.24	23.19	23.12			
40	PI/2 BPSK	1	214	23.02	23.07	23.16			
40	PI/2 BPSK	108	0	22.63	22.72	22.63	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.11	23.17	24	0	
40	PI/2 BPSK	108	108	22.52	22.71	22.68	23.5	0.5	
40	PI/2 BPSK	216	0	22.52	22.72	22.81			
40	QPSK	1	1	23.21	23.25	23.11	24	0	
40	QPSK	1	108	23.1	23.04	23.07			
40	QPSK	1	214	23.01	23.24	22.97			
40	QPSK	108	0	22.22	22.17	22.07	23	1	
40	QPSK	108	54	23.19	23.23	23.12	24	0	
40	QPSK	108	108	21.98	22.29	22.15	23	1	
40	QPSK	216	0	22.22	22.23	22.1			
40	16QAM	1	1	21.82	21.78	21.64	23	1	
40	64QAM	1	1	20.31	20.29	20.17	21.5	2.5	
40	256QAM	1	1	18.8	19.08	18.78	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24	0	
30	QPSK	1	1	23.13	23.16	23.02	24	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24	0	
25	QPSK	1	1	23.23	23.13	22.92	24	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24	0	
20	QPSK	1	1	23.07	23.12	22.9	24	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24	0	
15	QPSK	1	1	23.13	23.2	23	24	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24	0	
10	QPSK	1	1	23.14	23.25	23.04	24	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24	0	
5	QPSK	1	1	23.11	23.27	23.09	24	0	



n38 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.3	23.24	23.17			
40	PI/2 BPSK	1	108	23.24	23.19	23.14	24	0	
40	PI/2 BPSK	1	214	23.05	23.25	23.21			
40	PI/2 BPSK	108	0	22.48	22.75	22.81	23.5	0.5	
40	PI/2 BPSK	108	54	23.27	23.21	23.04	24	0	
40	PI/2 BPSK	108	108	22.48	22.57	22.66	23.5	0.5	
40	PI/2 BPSK	216	0	22.66	22.86	22.64			
40	QPSK	1	1	23.26	23.37	23.25			
40	QPSK	1	108	22.95	23.22	23.08	24	0	
40	QPSK	1	214	23.16	23.11	23.04			
40	QPSK	108	0	22.25	22.22	22.13	23	1	
40	QPSK	108	54	23.09	23.25	23.15	24	0	
40	QPSK	108	108	22.14	22.16	22.03	23	1	
40	QPSK	216	0	22.21	22.23	22.24			
40	16QAM	1	1	22.02	22.07	22.04	23	1	
40	64QAM	1	1	20.57	20.72	20.4	21.5	2.5	
40	256QAM	1	1	19.2	19.22	19.36	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	24	0	
30	QPSK	1	1	22.75	22.86	22.76	24	0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.76	22.89	22.78	24	0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.73	22.91	22.77	24	0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.75	22.86	22.79	24	0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.73	22.92	22.75	24	0	

n41 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1	22.67	22.83	22.93			
100	PI/2 BPSK	1	137	22.98	22.98	23.09	24	0	
100	PI/2 BPSK	1	271	22.62	22.9	22.53			
100	PI/2 BPSK	135	0	22.46	22.5	22.46	23.5	0.5	
100	PI/2 BPSK	135	69	22.8	22.85	22.82	24	0	
100	PI/2 BPSK	135	138	22.09	22.38	22.27	23.5	0.5	
100	PI/2 BPSK	270	0	22.37	22.24	22.32			
100	QPSK	1	1	23.05	23.25	23.2			
100	QPSK	1	137	22.75	23	22.97	24	0	
100	QPSK	1	271	22.37	22.72	22.85			
100	QPSK	135	0	21.73	21.89	21.99	23	1	
100	QPSK	135	69	22.83	22.95	22.86	24	0	
100	QPSK	135	138	21.72	21.83	21.83	23	1	
100	QPSK	270	0	21.76	21.99	21.75			
100	16QAM	1	1	21.49	21.54	21.49	23	1	
100	64QAM	1	1	20.2	20.1	19.85	21.5	2.5	
100	256QAM	1	1	18.57	18.73	18.85	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.05	23.05	23.08	24	0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.94	23.24	23.02	24	0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.85	23.03	23.06	24	0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.88	23.22	23.02	24	0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.88	23.08	23.16	24	0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.87	23.03	23.12	24	0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.95	23.17	23.03	24	0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.96	23.09	23.19	24	0	
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.84	23.13	23.09	24	0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.01	23.18	23.17	24	0	



n2 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				375000	376000	377000		
Frequency (MHz)				1875	1880	1885		
50	PI/2 BPSK	1	1	17.2	17.3	17.27		
50	PI/2 BPSK	1	135	17.17	17.33	17.25	18.5	0
50	PI/2 BPSK	1	268	17.19	17.32	17.32		
50	PI/2 BPSK	135	0	17.15	17.32	17.18	18.5	0
50	PI/2 BPSK	135	68	17.12	17.2	17.32	18.5	0
50	PI/2 BPSK	135	135	17.23	17.26	17.22		
50	PI/2 BPSK	270	0	17.14	17.3	17.22	18.5	0
50	QPSK	1	1	17.33	17.41	17.37		
50	QPSK	1	135	17.2	17.21	17.18	18.5	0
50	QPSK	1	268	17.14	17.37	17.25		
50	QPSK	135	0	17.17	17.27	17.3	18.5	0
50	QPSK	135	68	17.31	17.30	17.35	18.5	0
50	QPSK	135	135	17.2	17.3	17.21		
50	QPSK	270	0	17.17	17.38	17.28	18.5	0
50	16QAM	1	1	17.26	17.22	17.22	18.5	0
50	64QAM	1	1	17.26	17.21	17.2	18.5	0
50	256QAM	1	1	17.28	17.28	17.31	18.5	0
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	17.01	17.09	17.11	18.5	0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	17.11	17.14	17.08	18.5	0
Channel				372500	376000	378500		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.22	17.15	17.17	18.5	0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.19	17.07	17.09	18.5	0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.13	17.05	17.14	18.5	0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.15	17.05	17.01	18.5	0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.19	17.13	17.19	18.5	0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel						167300		
Frequency (MHz)						836.5		
25	PI/2 BPSK	1	1			21.39		
25	PI/2 BPSK	1	64			21.48	22.7	0
25	PI/2 BPSK	1	131			21.21		
25	PI/2 BPSK	64	0			21.36	22.7	0
25	PI/2 BPSK	64	33			21.47	22.7	0
25	PI/2 BPSK	64	65			21.45		
25	PI/2 BPSK	128	0			21.46	22.7	0
25	QPSK	1	1			21.58		
25	QPSK	1	64			21.23	22.7	0
25	QPSK	1	131			21.34		
25	QPSK	64	0			21.39	22.7	0
25	QPSK	64	33			21.49	22.7	0
25	QPSK	64	65			21.41		
25	QPSK	128	0			21.47	22.7	0
25	16QAM	1	1			21.32		
25	16QAM	1	1			21.42	22.7	0
25	64QAM	1	1			19.68	21.5	1.2
25	256QAM	1	1			18.32	19.5	3.2
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	21.51	21.57	21.52	22.7	0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.99	21.11	21	22.7	0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.01	21.09	21.02	22.7	0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21	21.08	20.97	22.7	0





n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	16.96	16.96	16.74			
50	PI/2 BPSK	1	135	16.97	16.94	16.74	18.5	0	
50	PI/2 BPSK	1	268	16.88	17.01	16.76			
50	PI/2 BPSK	135	0	16.92	16.94	16.81	18.5	0	
50	PI/2 BPSK	135	68	16.9	16.96	16.85	18.5	0	
50	PI/2 BPSK	135	135	16.91	17.09	16.84			
50	PI/2 BPSK	270	0	16.9	16.98	16.86	18.5	0	
50	QPSK	1	1	17.01	17.14	16.92			
50	QPSK	1	135	16.84	16.98	16.77	18.5	0	
50	QPSK	1	268	16.91	17.1	16.72			
50	QPSK	135	0	16.92	16.98	16.88	18.5	0	
50	QPSK	135	68	17.04	17.11	16.99	18.5	0	
50	QPSK	135	135	16.83	17.08	16.8			
50	QPSK	270	0	16.88	17.04	16.77	18.5	0	
50	16QAM	1	1	16.97	17.07	16.73	18.5	0	
50	64QAM	1	1	16.87	16.97	16.83	18.5	0	
50	256QAM	1	1	16.84	16.96	16.73	18.5	0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	16.74	16.89	16.59	18.5	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.68	16.76	16.56	18.5	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2533	2537.5			
25	QPSK	1	1	16.68	16.93	16.67	18.5	0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.64	16.8	16.61	18.5	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.77	16.78	16.7	18.5	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.81	16.89	16.81	18.5	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.65	16.75	16.57	18.5	0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.71	15.78	15.81			
40	PI/2 BPSK	1	108	15.75	15.92	15.81	17.2	0	
40	PI/2 BPSK	1	214	15.79	15.87	15.84			
40	PI/2 BPSK	108	0	15.87	15.86	15.75	17.2	0	
40	PI/2 BPSK	108	54	15.83	15.89	15.75	17.2	0	
40	PI/2 BPSK	108	108	15.79	15.88	15.84	17.2	0	
40	PI/2 BPSK	216	0	15.71	15.76	15.78			
40	QPSK	1	1	15.97	16.03	15.86			
40	QPSK	1	108	15.76	15.82	15.99	17.2	0	
40	QPSK	1	214	15.7	15.94	15.88			
40	QPSK	108	0	15.84	15.87	15.99	17.2	0	
40	QPSK	108	54	15.91	15.97	15.87	17.2	0	
40	QPSK	108	108	15.77	15.87	15.77			
40	QPSK	216	0	15.74	15.84	15.74	17.2	0	
40	16QAM	1	1	15.75	15.82	15.76	17.2	0	
40	64QAM	1	1	15.81	15.85	15.76	17.2	0	
40	256QAM	1	1	15.8	15.89	15.69	17.2	0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.71	15.89	15.76	17.2	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	15.85	15.78	15.67	17.2	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.74	15.8	15.84	17.2	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.86	15.83	15.79	17.2	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.77	15.78	15.72	17.2	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.81	15.78	15.78	17.2	0	



n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.88	19	18.87			
40	PI/2 BPSK	1	108	18.88	18.93	18.83	20	0	
40	PI/2 BPSK	1	214	19.01	18.88	19			
40	PI/2 BPSK	108	0	18.89	18.9	18.92	20	0	
40	PI/2 BPSK	108	54	18.94	19.06	18.87	20	0	
40	PI/2 BPSK	108	108	19	18.88	18.94	20	0	
40	PI/2 BPSK	216	0	18.89	19.02	18.96			
40	QPSK	1	1	19.04	19.09	19.03			
40	QPSK	1	108	18.84	18.99	18.99	20	0	
40	QPSK	1	214	19	18.88	18.97			
40	QPSK	108	0	18.84	19.92	18.82	20	0	
40	QPSK	108	54	18.95	18.98	18.86	20	0	
40	QPSK	108	108	18.85	18.93	18.9	20	0	
40	QPSK	216	0	18.87	18.95	18.92			
40	16QAM	1	1	18.83	18.97	18.83	20	0	
40	64QAM	1	1	18.91	18.97	18.86	20	0	
40	256QAM	1	1	19.01	19.03	19.05	19.5	0.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	18.53	18.59	18.48	20	0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	18.54	18.61	18.5	20	0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.53	18.54	18.5	20	0	
Channel				516502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	18.54	18.56	18.54	20	0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	18.57	18.56	18.48	20	0	

n41 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.85	19.05	18.93			
100	PI/2 BPSK	1	137	18.72	19.06	18.95	20.4	0	
100	PI/2 BPSK	1	271	18.83	18.91	18.89			
100	PI/2 BPSK	135	0	18.74	18.93	18.92	20.4	0	
100	PI/2 BPSK	135	69	18.81	18.96	18.93	20.4	0	
100	PI/2 BPSK	135	138	18.86	18.96	18.94	20.4	0	
100	PI/2 BPSK	270	0	18.86	19.02	19			
100	QPSK	1	1	18.91	19.12	19.05			
100	QPSK	1	137	18.87	18.97	18.95	20.4	0	
100	QPSK	1	271	18.72	19.02	18.96			
100	QPSK	135	0	18.84	19.03	19	20.4	0	
100	QPSK	135	69	18.86	19.07	18.95	20.4	0	
100	QPSK	135	138	18.72	18.97	18.97	20.4	0	
100	QPSK	270	0	18.71	19.01	18.98			
100	16QAM	1	1	18.77	18.95	19	20.4	0	
100	64QAM	1	1	18.72	18.97	18.88	20.4	0	
100	256QAM	1	1	18.18	18.2	18.21	19.5	0.9	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.41	18.58	18.55	20.4	0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.41	18.65	18.57	20.4	0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.43	18.65	18.51	20.4	0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.4	18.6	18.53	20.4	0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.43	18.66	18.55	20.4	0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.46	18.6	18.55	20.4	0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.39	18.66	18.51	20.4	0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.45	18.61	18.51	20.4	0	
Channel				500200	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.37	18.61	18.57	20.4	0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.44	18.63	18.57	20.4	0	



**n38 Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.02	23.11	23.04		
40	PI2 BPSK	1	108	22.5	22.6	22.58	24	0
40	PI2 BPSK	1	214	21.89	21.98	21.81		
40	PI2 BPSK	108	0	22.16	22.34	22.21	23.5	0.5
40	PI2 BPSK	108	54	22.53	22.53	22.43	24	0
40	PI2 BPSK	108	108	22.15	22.23	22.07	23.5	0.5
40	PI2 BPSK	216	0	22.07	22.19	22.09		
40	QPSK	1	1	22.92	23.12	23.01		
40	QPSK	1	108	22.74	22.77	22.59	24	0
40	QPSK	1	214	22.09	22.03	22.11		
40	QPSK	108	0	21.88	21.89	21.77	23	1
40	QPSK	108	54	22.40	22.54	22.49	24	0
40	QPSK	108	108	21.11	22.30	21.01	23	1
40	QPSK	216	0	21.44	21.59	21.52		
40	16QAM	1	1	21.88	21.96	21.85	23	1
40	16QAM	1	1	20.81	20.63	20.64	21.5	2.5
40	256QAM	1	1	19.24	19.29	19.15	19.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.83	22.96	22.84	24	0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.79	23.12	22.82	24	0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.83	22.92	23.01	24	0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.8	23.07	22.89	24	0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.72	23.01	22.97	24	0

**Par270 n77 Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.56	22.87	22.6		
100	PI2 BPSK	1	137	22.89	22.78	22.7		
100	PI2 BPSK	1	271	22.87	22.92	22.5		
100	PI2 BPSK	135	0	22.85	22.91	22.48	23.5	0.5
100	PI2 BPSK	135	69	22.71	22.76	22.55	24	0
100	PI2 BPSK	135	138	22.86	22.8	22.7	23.5	0.5
100	PI2 BPSK	270	0	22.85	22.73	22.65		
100	QPSK	1	1	22.72	22.93	22.69		
100	QPSK	1	137	22.81	22.74	22.47	24	0
100	QPSK	1	271	22.54	22.84	22.66		
100	QPSK	135	0	21.89	21.82	21.69	23	1
100	QPSK	135	69	22.54	22.87	22.48	24	0
100	QPSK	135	138	21.76	21.93	21.74	23	1
100	QPSK	270	0	21.65	21.86	21.8		
100	16QAM	1	1	21.68	21.96	21.59	23	1
100	16QAM	1	1	20.31	20.37	20.24	21.5	2.5
100	256QAM	1	1	18.18	18.54	18.18	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.2	22.38	22.17	24	0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.24	22.39	22.18	24	0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.2	22.41	22.23	24	0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.18	22.4	22.14	24	0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.19	22.47	22.15	24	0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.25	22.47	22.19	24	0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.17	22.4	22.22	24	0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.17	22.47	22.24	24	0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.21	22.39	22.19	24	0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.22	22.44	22.19	24	0

**Part270 n78 Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		22.4			
100	PI2 BPSK	1	137		22.46		24	0
100	PI2 BPSK	1	271		22.55			
100	PI2 BPSK	135	0		22.46		23.5	0.5
100	PI2 BPSK	135	69		22.27		24	0
100	PI2 BPSK	135	138		22.33		23.5	0.5
100	PI2 BPSK	270	0		22.22			
100	QPSK	1	1		22.57			
100	QPSK	1	137		22.28		24	0
100	QPSK	1	271		22.53			
100	QPSK	135	0		21.83		23	1
100	QPSK	135	69		22.44		24	0
100	QPSK	135	138		21.6		23	1
100	QPSK	270	0		21.54			
100	16QAM	1	1		21.58		23	1
100	16QAM	1	1		20.05		21.5	2.5
100	256QAM	1	1		18.11		19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.5	22.51	22.46	24	0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.4	22.47	22.35	24	0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.53	22.41	22.37	24	0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.48	22.49	22.39	24	0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.54	22.48	22.51	24	0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.44	22.5	22.44	24	0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.5	22.42	22.47	24	0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.47	22.37	22.4	24	0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.53	22.48	22.37	24	0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.53	22.4	22.43	24	0



Par270 n77 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.27	18.54	18.41			
100	PI/2 BPSK	1	137	18.33	18.43	18.49	19.6	0	
100	PI/2 BPSK	1	271	18.34	18.53	18.4			
100	PI/2 BPSK	135	0	18.33	18.4	18.41	19.6	0	
100	PI/2 BPSK	135	69	18.17	18.49	18.51	19.6	0	
100	PI/2 BPSK	135	138	18.2	18.47	18.46			
100	PI/2 BPSK	270	0	18.3	18.4	18.35	19.6	0	
100	QPSK	1	1	18.38	18.58	18.54			
100	QPSK	1	137	18.24	18.45	18.38	19.6	0	
100	QPSK	1	271	18.25	18.37	18.33			
100	QPSK	135	0	18.24	18.52	18.24	19.6	0	
100	QPSK	135	69	18.31	18.54	18.48	19.6	0	
100	QPSK	135	138	18.22	18.51	18.44			
100	QPSK	270	0	18.28	18.47	18.44	19.6	0	
100	16QAM	1	1	18.2	18.45	18.37	19.6	0	
100	64QAM	1	1	18.22	18.43	18.46	19.6	0	
100	256QAM	1	1	18.33	18.49	18.49	19.5	0.1	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.7	18.03	17.88	19.6	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.85	18.04	17.93	19.6	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.7	17.99	18.02	19.6	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.86	18.05	17.87	19.6	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.84	17.89	17.94	19.6	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.74	17.92	17.99	19.6	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.85	18.02	18.03	19.6	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.8	17.91	18.02	19.6	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.72	17.89	17.94	19.6	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.75	18.05	17.93	19.6	0	

Part270 n78 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	18.27					
100	PI/2 BPSK	1	137	18.32			19.6	0	
100	PI/2 BPSK	1	271	18.31					
100	PI/2 BPSK	135	0	18.33			19.6	0	
100	PI/2 BPSK	135	69	18.34			19.6	0	
100	PI/2 BPSK	135	138	18.31					
100	PI/2 BPSK	270	0	18.26			19.6	0	
100	QPSK	1	1	18.38					
100	QPSK	1	137	18.2			19.6	0	
100	QPSK	1	271	18.15					
100	QPSK	135	0	18.25			19.6	0	
100	QPSK	135	69	18.33			19.6	0	
100	QPSK	135	138	18.23					
100	QPSK	270	0	18.27			19.6	0	
100	16QAM	1	1	18.3			19.6	0	
100	64QAM	1	1	18.18			19.6	0	
100	256QAM	1	1	18.35			19.5	0.1	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.89	17.98	17.81	19.6	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3760	3760.02			
80	QPSK	1	1	17.79	17.9	17.87	19.6	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.78	17.97	17.89	19.6	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3760	3770.01			
60	QPSK	1	1	17.9	17.99	17.89	19.6	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3760	3775.02			
50	QPSK	1	1	17.81	18.01	17.82	19.6	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3760	3780			
40	QPSK	1	1	17.82	18.01	17.85	19.6	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3760	3785.01			
30	QPSK	1	1	17.79	17.98	17.83	19.6	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3760	3790.02			
20	QPSK	1	1	17.88	17.97	17.85	19.6	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3760	3792.51			
15	QPSK	1	1	17.78	17.96	17.97	19.6	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3760	3795			
10	QPSK	1	1	17.85	17.89	17.92	19.6	0	



n38 Ant 6								
BW [MHz]	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	Pi/2 BPSK	1	1	21.37	21.43	21.27		
40	Pi/2 BPSK	1	108	21.33	21.35	21.38	22.5	0
40	Pi/2 BPSK	1	214	21.30	21.43	21.42		
40	Pi/2 BPSK	108	0	21.28	21.41	21.30	22.5	0
40	Pi/2 BPSK	108	54	21.15	21.41	21.38	22.5	0
40	Pi/2 BPSK	108	108	21.26	21.38	21.26	22.5	0
40	Pi/2 BPSK	216	0	21.24	21.30	21.26		
40	QPSK	1	1	21.37	21.44	21.41		
40	QPSK	1	108	21.19	21.38	21.36	22.5	0
40	QPSK	1	214	21.32	21.39	21.41		
40	QPSK	108	0	21.29	21.42	21.20	22.5	0
40	QPSK	108	54	21.30	21.37	21.41	22.5	0
40	QPSK	108	108	21.23	21.25	21.40	22.5	0
40	QPSK	216	0	21.34	21.35	21.24		
40	16QAM	1	1	21.28	21.38	21.40	22.5	0
40	64QAM	1	1	19.78	20.00	19.93	21.5	1
40	256QAM	1	1	18.43	18.56	18.36	19.5	3
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.05	21.06	21.07	22.5	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.16	21.03	20.99	22.5	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	20.98	21.05	21.10	22.5	0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.17	21.21	21.00	22.5	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.01	21.22	21.22	22.5	0



Par270 n77 Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.83	15.83	15.59		
100	PI/2 BPSK	1	137	15.66	15.84	15.58	17	0
100	PI/2 BPSK	1	271	15.72	15.64	15.75		
100	PI/2 BPSK	135	0	15.38	15.5	15.45	17	0
100	PI/2 BPSK	135	69	15.69	15.9	15.61	17	0
100	PI/2 BPSK	135	138	15.54	15.36	15.44		
100	PI/2 BPSK	270	0	15.4	15.38	15.54	17	0
100	QPSK	1	1	15.79	16.03	15.82		
100	QPSK	1	137	15.84	16.01	15.67	17	0
100	QPSK	1	271	15.77	15.84	15.81		
100	QPSK	135	0	15.85	15.82	15.91	17	0
100	QPSK	135	69	15.82	15.96	15.75	17	0
100	QPSK	135	138	15.69	15.79	15.62		
100	QPSK	270	0	15.72	15.85	15.66	17	0
100	16QAM	1	1	15.63	15.65	15.77	17	0
100	64QAM	1	1	15.62	15.68	15.74	17	0
100	256QAM	1	1	15.81	15.71	15.8	17	0
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.63	15.84	15.84	17	0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.79	15.83	15.64	17	0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3910	3915		
70	QPSK	1	1	15.72	15.88	15.63	17	0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.68	16.05	15.69	17	0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.77	16.03	15.64	17	0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.65	16.04	15.61	17	0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.75	15.81	15.69	17	0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.61	15.97	15.76	17	0
Channel				647000	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.65	15.82	15.63	17	0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.58	15.95	15.61	17	0

Part270 n78 Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.49			
100	PI/2 BPSK	1	137		15.4		17	0
100	PI/2 BPSK	1	271		15.55			
100	PI/2 BPSK	135	0		15.49		17	0
100	PI/2 BPSK	135	69		15.32		17	0
100	PI/2 BPSK	135	138		15.39			
100	PI/2 BPSK	270	0		15.26		17	0
100	QPSK	1	1		15.67			
100	QPSK	1	137		15.27		17	0
100	QPSK	1	271		15.46			
100	QPSK	135	0		15.29		17	0
100	QPSK	135	69		15.42		17	0
100	QPSK	135	138		15.31			
100	QPSK	270	0		15.38		17	0
100	16QAM	1	1		15.51		17	0
100	64QAM	1	1		15.25		17	0
100	256QAM	1	1		14.23		17	0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.16	15.28	15.31	17	0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	15.21	15.16	15.32	17	0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.22	15.21	15.3	17	0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3760	3770.01		
60	QPSK	1	1	15.14	15.18	15.22	17	0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	15.13	15.26	15.25	17	0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	15.31	15.31	15.14	17	0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	15.32	15.11	15.31	17	0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	15.15	15.11	15.21	17	0
Channel				647000	650000	652834		
Frequency (MHz)				3707.52	3760	3792.51		
15	QPSK	1	1	15.25	15.31	15.11	17	0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3760	3795		
10	QPSK	1	1	15.3	15.23	15.29	17	0



Par270 n77 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.22	19.3	19.13			
100	PI/2 BPSK	1	137	19.2	19.21	19.25	20.5	0	
100	PI/2 BPSK	1	271	19.3	19.25	19.19			
100	PI/2 BPSK	135	0	19.3	19.27	19.14	20.5	0	
100	PI/2 BPSK	135	69	19.24	19.24	19.18	20.5	0	
100	PI/2 BPSK	135	138	19.24	19.35	19.25			
100	PI/2 BPSK	270	0	19.22	19.27	19.16	20.5	0	
100	QPSK	1	1	19.3	19.36	19.28			
100	QPSK	1	137	19.27	19.31	19.23	20.5	0	
100	QPSK	1	271	19.12	19.29	19.12			
100	QPSK	135	0	19.19	19.23	19.28	20.5	0	
100	QPSK	135	69	19.3	19.33	19.21	20.5	0	
100	QPSK	135	138	19.31	19.26	19.17			
100	QPSK	270	0	19.24	19.23	19.1	20.5	0	
100	16QAM	1	1	19.24	19.26	19.14	20.5	0	
100	64QAM	1	1	19.24	19.19	19.26	20.5	0	
100	256QAM	1	1	17.55	17.83	17.46	18.5	2	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.1	19.2	19.06	20.5	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.03	19.09	19.02	20.5	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	QPSK	1	1	19.02	19.11	19.06	20.5	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.14	19.13	18.95	20.5	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.11	19.04	19.01	20.5	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.99	19.09	19.05	20.5	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.08	19.02	18.99	20.5	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.08	19.07	18.92	20.5	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.1	19.06	18.99	20.5	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.15	19.14	19.1	20.5	0	

Part270 n78 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.15				
100	PI/2 BPSK	1	137		19.01		20.5	0	
100	PI/2 BPSK	1	271		19.01				
100	PI/2 BPSK	135	0		19.02		20.5	0	
100	PI/2 BPSK	135	69		19.16		20.5	0	
100	PI/2 BPSK	135	138		19.17				
100	PI/2 BPSK	270	0		19.16		20.5	0	
100	QPSK	1	1		19.24				
100	QPSK	1	137		19.08		20.5	0	
100	QPSK	1	271		19.13				
100	QPSK	135	0		19.06		20.5	0	
100	QPSK	135	69		19.23		20.5	0	
100	QPSK	135	138		19.01				
100	QPSK	270	0		19.12		20.5	0	
100	16QAM	1	1		19.19		20.5	0	
100	64QAM	1	1		19		20.5	0	
100	256QAM	1	1		17.61		18.5	2	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.92	19.09	18.96	20.5	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.99	18.99	18.83	20.5	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.01	19.15	18.98	20.5	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.96	19.01	18.92	20.5	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19	19.02	18.88	20.5	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.93	19.1	18.87	20.5	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.97	19.14	18.84	20.5	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.99	19.1	18.92	20.5	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.93	19.08	18.82	20.5	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.99	19.01	18.91	20.5	0	



### Reduced Power Mode for Main PA EC13

n2 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				375000	376000	377000				
Frequency (MHz)				1875	1880	1885				
50	PI/2 BPSK	1	1	20.51	20.71	20.56	21.8	0		
50	PI/2 BPSK	1	135	20.58	20.68	20.55				
50	PI/2 BPSK	1	268	20.54	20.61	20.54				
50	PI/2 BPSK	135	0	20.67	20.57	20.6	21.8	0		
50	PI/2 BPSK	135	68	20.57	20.72	20.5	21.8	0		
50	PI/2 BPSK	135	135	20.59	20.65	20.5	21.8	0		
50	PI/2 BPSK	270	0	20.52	20.73	20.58	21.8	0		
50	QPSK	1	1	20.71	20.77	20.69				
50	QPSK	1	135	20.66	20.68	20.65				
50	QPSK	1	268	20.67	20.56	20.64	21.8	0		
50	QPSK	135	0	20.5	20.59	20.65	21.8	0		
50	QPSK	135	68	20.66	20.75	20.5	21.8	0		
50	QPSK	135	135	20.68	20.56	20.65	21.8	0		
50	QPSK	270	0	20.55	20.63	20.56				
50	16QAM	1	1	20.57	20.71	20.49			21.8	0
50	64QAM	1	1	19.96	20.12	20.08	21	0.8		
50	256QAM	1	1	18.7	18.77	18.65	19	2.8		
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1870	1880	1890				
40	QPSK	1	1	19.68	19.69	19.73	21.8	0		
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1895				
30	QPSK	1	1	19.8	19.82	19.83	21.8	0		
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	19.84	19.93	19.86	21.8	0		
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	19.75	19.84	19.84	21.8	0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	19.88	19.92	19.86	21.8	0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	19.81	19.94	19.82	21.8	0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	19.88	19.94	19.77	21.8	0		

n5 Ant 0										
BW [MHz]	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	PI/2 BPSK	1	1			22.71	24	0		
25	PI/2 BPSK	1	64			22.85				
25	PI/2 BPSK	1	131			23.02				
25	PI/2 BPSK	64	0			22.32	23.5	0.5		
25	PI/2 BPSK	64	33			22.9	24	0		
25	PI/2 BPSK	64	65			22.26	23.5	0.5		
25	PI/2 BPSK	128	0			22.47				
25	QPSK	1	1			23.08				
25	QPSK	1	64			22.94	24	0		
25	QPSK	1	131			22.92				
25	QPSK	64	0			21.96			23	1
25	QPSK	64	33			23.03	24	0		
25	QPSK	64	65			21.71	23	1		
25	QPSK	128	0			21.96				
25	16QAM	1	1			21.48			23	1
25	64QAM	1	1			20.06	21.5	2.5		
25	256QAM	1	1			18.53	19.5	4.5		
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				834	836.5	839				
20	QPSK	1	1	22.93	23.01	22.96	24	0		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.77	23.04	22.84	24	0		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.78	23.04	22.79	24	0		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.84	22.95	22.87	24	0		





n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	Pi/2 BPSK	1	1	16.74	16.75	16.69	18	0
50	Pi/2 BPSK	1	135	16.63	16.74	16.65		
50	Pi/2 BPSK	1	268	16.56	16.71	16.57		
50	Pi/2 BPSK	135	0	16.7	16.8	16.71	18	0
50	Pi/2 BPSK	135	68	16.69	16.82	16.68	18	0
50	Pi/2 BPSK	135	135	16.63	16.81	16.57	18	0
50	Pi/2 BPSK	270	0	16.7	16.75	16.69	18	0
50	QPSK	1	1	16.77	16.88	16.74		
50	QPSK	1	135	16.61	16.76	16.62		
50	QPSK	1	268	16.58	16.71	16.64	18	0
50	QPSK	135	0	16.62	16.75	16.66		
50	QPSK	135	68	16.57	16.76	16.57		
50	QPSK	135	135	16.64	16.69	16.54	18	0
50	QPSK	270	0	16.67	16.81	16.67	18	0
50	16QAM	1	1	16.74	16.84	16.68		
50	64QAM	1	1	16.67	16.83	16.69		
50	256QAM	1	1	16.67	16.71	16.56	18	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.28	16.36	16.19	18	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.21	16.39	16.32	18	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.24	16.45	16.27	18	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.29	16.41	16.23	18	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.22	16.33	16.19	18	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.3	16.38	16.21	18	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.28	16.3	16.27	18	0

n66 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	18.42	18.55	18.52	19.7	0
40	Pi/2 BPSK	1	108	18.53	18.59	18.43		
40	Pi/2 BPSK	1	214	18.57	18.54	18.47		
40	Pi/2 BPSK	108	0	18.43	18.46	18.52	19.7	0
40	Pi/2 BPSK	108	54	18.42	18.53	18.48	19.7	0
40	Pi/2 BPSK	108	108	18.53	18.46	18.35	19.7	0
40	Pi/2 BPSK	216	0	18.41	18.45	18.51	19.7	0
40	QPSK	1	1	18.62	18.66	18.56		
40	QPSK	1	108	18.52	18.61	18.47		
40	QPSK	1	214	18.55	18.56	18.42	19.7	0
40	QPSK	108	0	18.52	18.45	18.44		
40	QPSK	108	54	18.58	18.61	18.53		
40	QPSK	108	108	18.58	18.5	18.36	19.7	0
40	QPSK	216	0	18.5	18.51	18.44	19.7	0
40	16QAM	1	1	18.58	18.55	18.47		
40	64QAM	1	1	18.51	18.59	18.38		
40	256QAM	1	1	18.57	18.52	18.39	19.5	0.2
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.14	18.08	18.15	19.7	0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	18.04	18.17	18.08	19.7	0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.15	18.12	18.11	19.7	0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.19	18.13	18	19.7	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.04	18.07	18	19.7	0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.18	18.22	18.14	19.7	0



n38 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.5	17.46	17.28	18.9	0	
40	PI/2 BPSK	1	108	17.44	17.4	17.44			
40	PI/2 BPSK	1	214	17.44	17.49	17.32			
40	PI/2 BPSK	108	0	17.54	17.53	17.34	18.9	0	
40	PI/2 BPSK	108	54	17.54	17.4	17.41	18.9	0	
40	PI/2 BPSK	108	108	17.53	17.44	17.39	18.9	0	
40	PI/2 BPSK	216	0	17.44	17.53	17.43	18.9	0	
40	QPSK	1	1	17.57	17.61	17.48			
40	QPSK	1	108	17.44	17.4	17.32			
40	QPSK	1	214	17.45	17.43	17.36	18.9	0	
40	QPSK	108	0	17.43	17.44	17.43	18.9	0	
40	QPSK	108	54	17.46	17.47	17.34	18.9	0	
40	QPSK	108	108	17.41	17.44	17.36	18.9	0	
40	QPSK	216	0	17.44	17.45	17.3	18.9	0	
40	16QAM	1	1	17.47	17.54	17.3			
40	64QAM	1	1	17.45	17.53	17.37			
40	256QAM	1	1	17.47	17.43	17.3	18.9	0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	18.9	0	
30	QPSK	1	1	17.37	17.29	17.24	18.9	0	
Channel				516504	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	18.9	0	
25	QPSK	1	1	17.48	17.38	17.19	18.9	0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	18.9	0	
20	QPSK	1	1	17.34	17.38	17.35	18.9	0	
Channel				516502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	18.9	0	
15	QPSK	1	1	17.47	17.31	17.28	18.9	0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	18.9	0	
10	QPSK	1	1	17.46	17.3	17.25	18.9	0	

n41 Ant 0									
BW [MHz]	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)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.81	18.89	18.79	20.1	0	
100	PI/2 BPSK	1	137	18.82	18.87	18.91			
100	PI/2 BPSK	1	271	18.72	18.95	18.89			
100	PI/2 BPSK	135	0	18.78	18.93	18.92	20.1	0	
100	PI/2 BPSK	135	69	18.77	18.95	18.92	20.1	0	
100	PI/2 BPSK	135	138	18.76	18.94	18.94	20.1	0	
100	PI/2 BPSK	270	0	18.73	18.85	18.77	20.1	0	
100	QPSK	1	1	18.86	19.05	18.97			
100	QPSK	1	137	18.8	19	18.83			
100	QPSK	1	271	18.71	18.96	18.85	18.9	0	
100	QPSK	135	0	18.66	18.87	18.77	20.1	0	
100	QPSK	135	69	18.7	18.89	18.83	20.1	0	
100	QPSK	135	138	18.76	18.88	18.88	20.1	0	
100	QPSK	270	0	18.71	18.99	18.89	20.1	0	
100	16QAM	1	1	18.67	18.91	18.86	20.1	0	
100	64QAM	1	1	18.65	19	18.9	20.1	0	
100	256QAM	1	1	18.57	18.73	18.85	19.5	0.6	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	18.9	0	
90	QPSK	1	1	18.3	18.58	18.49	20.1	0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	18.9	0	
80	QPSK	1	1	18.33	18.62	18.5	20.1	0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	18.9	0	
70	QPSK	1	1	18.28	18.56	18.49	20.1	0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	18.9	0	
60	QPSK	1	1	18.33	18.62	18.43	20.1	0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	18.9	0	
50	QPSK	1	1	18.42	18.46	18.46	20.1	0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	18.9	0	
40	QPSK	1	1	18.32	18.57	18.44	20.1	0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	18.9	0	
30	QPSK	1	1	18.31	18.49	18.51	20.1	0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	18.9	0	
20	QPSK	1	1	18.43	18.6	18.44	20.1	0	
Channel				500100	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	18.9	0	
15	QPSK	1	1	18.44	18.47	18.43	20.1	0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	18.9	0	
10	QPSK	1	1	18.29	18.55	18.43	20.1	0	



n2 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				375000	376000	377000		
Frequency (MHz)				1875	1880	1885		
50	PI/2 BPSK	1	1	16.95	17.06	16.96		
50	PI/2 BPSK	1	135	16.89	17.01	16.93	18.3	0
50	PI/2 BPSK	1	268	17.03	17.04	17.01		
50	PI/2 BPSK	135	0	17.04	17.12	17.03	18.3	0
50	PI/2 BPSK	135	68	16.92	17.15	17.04	18.3	0
50	PI/2 BPSK	135	135	16.97	17.03	17.00		
50	PI/2 BPSK	270	0	16.95	17.12	16.99	18.3	0
50	QPSK	1	1	17.08	17.19	17.13		
50	QPSK	1	135	16.90	16.98	17.10	18.3	0
50	QPSK	1	268	16.98	17.04	16.98		
50	QPSK	135	0	16.89	16.99	16.96	18.3	0
50	QPSK	135	68	17.04	17.11	16.98	18.3	0
50	QPSK	135	135	17.03	17.02	17.09		
50	QPSK	270	0	17.00	17.16	16.96	18.3	0
50	16QAM	1	1	16.89	17.03	16.97	18.3	0
50	64QAM	1	1	16.95	16.98	17.01	18.3	0
50	256QAM	1	1	16.88	17.05	17.05	18.3	0
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	16.51	16.59	16.49	18.3	0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	16.59	16.61	16.58	18.3	0
Channel				372500	376000	379500		
Frequency (MHz)				1822.5	1880	1907.5		
25	QPSK	1	1	16.6	16.65	16.66	18.3	0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	16.63	16.75	16.56	18.3	0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.55	16.62	16.62	18.3	0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.57	16.67	16.66	18.3	0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.58	16.7	16.68	18.3	0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1		22.22			
25	PI/2 BPSK	1	64		22.39		24	0
25	PI/2 BPSK	1	131		22.48			
25	PI/2 BPSK	64	0		22.15		23.5	0.5
25	PI/2 BPSK	64	33		22.59		24	0
25	PI/2 BPSK	64	65		21.93			
25	PI/2 BPSK	128	0		22.14		23.5	0.5
25	QPSK	1	1		22.73			
25	QPSK	1	64		22.47		24	0
25	QPSK	1	131		22.42			
25	QPSK	64	0		21.53		23	1
25	QPSK	64	33		22.62		24	0
25	QPSK	64	65		21.47			
25	QPSK	128	0		21.72		23	1
25	16QAM	1	1		21.09		23	1
25	64QAM	1	1		19.5		21.5	2.5
25	256QAM	1	1		18.39		19.5	4.5
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.7	22.71	22.68	24	0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.51	22.6	22.71	24	0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.68	22.67	22.71	24	0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.68	22.6	22.6	24	0



n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.33	17.42	17.27	18.6	0
50	PI/2 BPSK	1	135	17.23	17.41	17.13		
50	PI/2 BPSK	1	268	17.26	17.28	17.16		
50	PI/2 BPSK	135	0	17.37	17.44	17.18	18.6	0
50	PI/2 BPSK	135	68	17.21	17.28	17.27	18.6	0
50	PI/2 BPSK	135	135	17.23	17.29	17.16	18.6	0
50	PI/2 BPSK	270	0	17.37	17.41	17.2		
50	QPSK	1	1	17.41	17.47	17.31	18.6	0
50	QPSK	1	135	17.22	17.26	17.12		
50	QPSK	1	268	17.34	17.34	17.26		
50	QPSK	135	0	17.3	17.37	17.28	18.6	0
50	QPSK	135	68	17.37	17.41	17.18	18.6	0
50	QPSK	135	135	17.26	17.26	17.16	18.6	0
50	QPSK	270	0	17.33	17.34	17.18		
50	16QAM	1	1	17.24	17.41	17.15	18.6	0
50	64QAM	1	1	17.22	17.43	17.28	18.6	0
50	256QAM	1	1	17.36	17.33	17.14	18.6	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.92	17.04	16.87	18.6	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.9	16.91	16.84	18.6	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.98	17.03	16.84	18.6	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.91	16.89	16.79	18.6	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.84	16.95	16.77	18.6	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.97	17.01	16.86	18.6	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.84	16.92	16.89	18.6	0

n66 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.3	15.38	15.25	16.4	0
40	PI/2 BPSK	1	108	15.37	15.44	15.32		
40	PI/2 BPSK	1	214	15.34	15.36	15.36		
40	PI/2 BPSK	108	0	15.26	15.46	15.21	16.4	0
40	PI/2 BPSK	108	54	15.31	15.35	15.32	16.4	0
40	PI/2 BPSK	108	108	15.4	15.35	15.39	16.4	0
40	PI/2 BPSK	216	0	15.27	15.34	15.26		
40	QPSK	1	1	15.43	15.49	15.42	16.4	0
40	QPSK	1	108	15.24	15.28	15.31		
40	QPSK	1	214	15.32	15.34	15.24		
40	QPSK	108	0	15.37	15.4	15.34	16.4	0
40	QPSK	108	54	15.34	15.41	15.31	16.4	0
40	QPSK	108	108	15.27	15.29	15.23	16.4	0
40	QPSK	216	0	15.33	15.36	15.3		
40	16QAM	1	1	15.25	15.28	15.22	16.4	0
40	64QAM	1	1	15.29	15.38	15.34	16.4	0
40	256QAM	1	1	15.36	15.38	15.34	16.4	0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	14.97	14.93	14.93	16.4	0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	14.96	15.02	14.86	16.4	0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	14.94	15	14.86	16.4	0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	14.93	15.01	14.91	16.4	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.01	15.04	14.92	16.4	0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	14.87	14.99	14.84	16.4	0



n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.01	18.11	18.14	19.6	0	
40	PI/2 BPSK	1	108	18.09	18.08	18.04			
40	PI/2 BPSK	1	214	17.99	18.11	17.98			
40	PI/2 BPSK	108	0	17.96	18.17	18.07	19.6	0	
40	PI/2 BPSK	108	54	17.95	18.08	18	19.6	0	
40	PI/2 BPSK	108	108	18.09	18.08	18.05	19.6	0	
40	PI/2 BPSK	216	0	18.02	18.1	18.14	19.6	0	
40	QPSK	1	1	18.15	18.22	18.17			
40	QPSK	1	108	18.11	18.14	18.12			
40	QPSK	1	214	17.99	18.12	18.12	19.6	0	
40	QPSK	108	0	18.01	17.99	18.04	19.6	0	
40	QPSK	108	54	17.99	18.09	18.04	19.6	0	
40	QPSK	108	108	17.95	18.06	18.04	19.6	0	
40	QPSK	216	0	18.04	18.05	17.97	19.6	0	
40	16QAM	1	1	18.1	18.01	18.06	19.6	0	
40	64QAM	1	1	18.05	18.08	18	19.6	0	
40	256QAM	1	1	17.96	18.15	18.03	19.5	0.1	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	17.98	17.95	17.99	19.6	0	
Channel				516504	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	17.97	17.94	17.97	19.6	0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	17.98	17.97	17.95	19.6	0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	17.92	17.99	17.95	19.6	0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	18.02	17.94	17.93	19.6	0	

n41 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.82	17.99	17.81	19.1	0	
100	PI/2 BPSK	1	137	17.66	17.95	17.87			
100	PI/2 BPSK	1	271	17.83	17.98	17.94			
100	PI/2 BPSK	135	0	17.68	18.02	17.92	19.1	0	
100	PI/2 BPSK	135	69	17.68	18.06	17.82	19.1	0	
100	PI/2 BPSK	135	138	17.81	18	17.82	19.1	0	
100	PI/2 BPSK	270	0	17.66	17.93	17.83	19.1	0	
100	QPSK	1	1	17.86	18.12	18.02			
100	QPSK	1	137	17.72	17.94	17.83			
100	QPSK	1	271	17.72	17.98	17.84	19.1	0	
100	QPSK	135	0	17.6	17.99	17.92	19.1	0	
100	QPSK	135	69	17.81	18.08	17.92	19.1	0	
100	QPSK	135	138	17.74	17.99	17.86	19.1	0	
100	QPSK	270	0	17.8	18.02	17.96	19.1	0	
100	16QAM	1	1	17.83	17.91	17.85	19.1	0	
100	64QAM	1	1	17.73	18.09	17.84	19.1	0	
100	256QAM	1	1	17.82	17.95	17.99	19.1	0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	17.41	17.62	17.57	19.1	0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	17.3	17.56	17.48	19.1	0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	17.35	17.55	17.49	19.1	0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	17.34	17.55	17.57	19.1	0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	17.3	17.65	17.52	19.1	0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	17.4	17.66	17.46	19.1	0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	17.28	17.7	17.53	19.1	0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	17.38	17.64	17.48	19.1	0	
Channel				500200	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	17.35	17.68	17.59	19.1	0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	17.37	17.63	17.56	19.1	0	



### n38 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.02	23.11	23.04	24	0
40	PI2 BPSK	1	108	22.5	22.6	22.58	24	0
40	PI2 BPSK	1	214	21.89	21.98	21.81	23.5	0.5
40	PI2 BPSK	108	0	22.16	22.34	22.21	24	0
40	PI2 BPSK	108	54	22.53	22.53	22.43	24	0
40	PI2 BPSK	108	108	22.15	22.23	22.07	23.5	0.5
40	PI2 BPSK	216	0	22.07	22.19	22.09	24	0
40	QPSK	1	1	22.92	23.12	23.01	24	0
40	QPSK	1	108	22.74	22.77	22.58	24	0
40	QPSK	1	214	22.09	22.03	22.11	23	1
40	QPSK	108	0	21.88	21.89	21.77	24	0
40	QPSK	108	54	22.40	22.54	22.49	23	1
40	QPSK	108	108	21.11	22.30	21.01	23	1
40	QPSK	216	0	21.44	21.55	21.52	23	1
40	16QAM	1	1	21.88	21.98	21.85	23	1
40	16QAM	1	1	20.81	20.63	20.64	21.5	2.5
40	256QAM	1	1	19.24	19.29	19.15	19.5	4.5
Channel								
Frequency (MHz)				5170.05	518000	520098	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.83	22.96	22.84	24	0
Channel								
Frequency (MHz)				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	22.79	23.11	22.82	24	0
Channel								
Frequency (MHz)				515000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.83	22.92	23.01	24	0
Channel								
Frequency (MHz)				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.8	23.07	22.89	24	0
Channel								
Frequency (MHz)				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.72	23.01	22.97	24	0

### Par270 n77 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.56	22.87	22.6	24	0
100	PI2 BPSK	1	137	22.89	22.78	22.7	24	0
100	PI2 BPSK	1	271	22.87	22.92	22.5	23.5	0.5
100	PI2 BPSK	135	0	22.65	22.91	22.48	24	0
100	PI2 BPSK	135	69	22.71	22.78	22.55	24	0
100	PI2 BPSK	135	138	22.86	22.8	22.7	23.5	0.5
100	PI2 BPSK	270	0	22.65	22.73	22.65	24	0
100	QPSK	1	1	22.72	22.93	22.89	24	0
100	QPSK	1	137	22.81	22.74	22.47	24	0
100	QPSK	1	271	22.54	22.84	22.66	23	1
100	QPSK	135	0	21.89	21.82	21.69	23	1
100	QPSK	135	69	22.54	22.87	22.48	24	0
100	QPSK	135	138	21.76	21.93	21.74	23	1
100	QPSK	270	0	21.65	21.86	21.8	23	1
100	16QAM	1	1	21.68	21.96	21.59	23	1
100	16QAM	1	1	20.31	20.37	20.24	21.5	2.5
100	256QAM	1	1	18.18	18.54	18.18	19.5	4.5
Channel								
Frequency (MHz)				648868	650000	653334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.2	22.38	22.17	24	0
Channel								
Frequency (MHz)				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.24	22.39	22.18	24	0
Channel								
Frequency (MHz)				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.2	22.41	22.23	24	0
Channel								
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.18	22.4	22.14	24	0
Channel								
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.19	22.47	22.15	24	0
Channel								
Frequency (MHz)				647668	650000	653000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.25	22.47	22.19	24	0
Channel								
Frequency (MHz)				647334	650000	653334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.17	22.4	22.22	24	0
Channel								
Frequency (MHz)				647000	650000	653668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.17	22.47	22.24	24	0
Channel								
Frequency (MHz)				647188	650000	654000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.21	22.39	22.19	24	0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.22	22.44	22.19	24	0

### Part270 n78 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		22.4		24	0
100	PI2 BPSK	1	137		22.46		24	0
100	PI2 BPSK	1	271		22.55		23.5	0.5
100	PI2 BPSK	135	0		22.46		24	0
100	PI2 BPSK	135	69		22.27		24	0
100	PI2 BPSK	135	138		22.33		23.5	0.5
100	PI2 BPSK	270	0		22.22		24	0
100	QPSK	1	1		22.57		24	0
100	QPSK	1	137		22.28		24	0
100	QPSK	1	271		22.53		23	1
100	QPSK	135	0		21.83		23	1
100	QPSK	135	69		22.44		24	0
100	QPSK	135	138		21.8		23	1
100	QPSK	270	0		21.54		23	1
100	16QAM	1	1		21.58		23	1
100	16QAM	1	1		20.05		21.5	2.5
100	256QAM	1	1		18.11		19.5	4.5
Channel								
Frequency (MHz)				648868	650000	653034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.5	22.51	22.46	24	0
Channel								
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.4	22.47	22.35	24	0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.53	22.41	22.37	24	0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.48	22.49	22.39	24	0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.54	22.48	22.51	24	0
Channel								
Frequency (MHz)				647668	650000	653000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.44	22.5	22.44	24	0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.5	22.42	22.47	24	0
Channel								
Frequency (MHz)				647000	650000	652998	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.47	22.37	22.4	24	0
Channel								
Frequency (MHz)				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.53	22.48	22.37	24	0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.53	22.4	22.43	24	0



Par270 n77 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.03	17.18	17.11			
100	PI/2 BPSK	1	137	17.09	17.15	17.11	18.4	0	
100	PI/2 BPSK	1	271	17.02	17.28	17.08			
100	PI/2 BPSK	135	0	17.14	17.24	17.15	18.4	0	
100	PI/2 BPSK	135	69	17.05	17.21	17.09	18.4	0	
100	PI/2 BPSK	135	138	17.04	17.27	17.16	18.4	0	
100	PI/2 BPSK	270	0	17.1	17.23	17.08			
100	QPSK	1	1	17.19	17.35	17.29			
100	QPSK	1	137	17.05	17.29	17.24	18.4	0	
100	QPSK	1	271	16.99	17.28	17.23			
100	QPSK	135	0	17.09	17.17	17.08	18.4	0	
100	QPSK	135	69	17.1	17.25	17.15	18.4	0	
100	QPSK	135	138	17	17.23	17.2	18.4	0	
100	QPSK	270	0	17.09	17.3	17.11			
100	16QAM	1	1	17.15	17.27	17.14	18.4	0	
100	64QAM	1	1	17.03	17.27	17.18	18.4	0	
100	256QAM	1	1	17.12	17.3	17.13	18.4	0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.68	16.91	16.81	18.4	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	16.68	16.84	16.78	18.4	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	16.74	16.76	16.77	18.4	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.68	16.78	16.87	18.4	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.63	16.86	16.76	18.4	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.66	16.82	16.73	18.4	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	16.69	16.81	16.77	18.4	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.67	16.78	16.83	18.4	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	16.78	16.93	16.81	18.4	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.66	16.86	16.76	18.4	0	

Part270 n78 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	17.02					
100	PI/2 BPSK	1	137	17.12			18.4	0	
100	PI/2 BPSK	1	271	17.12					
100	PI/2 BPSK	135	0	16.97			18.4	0	
100	PI/2 BPSK	135	69	16.99			18.4	0	
100	PI/2 BPSK	135	138	17.01			18.4	0	
100	PI/2 BPSK	270	0	17.08					
100	QPSK	1	1	17.18					
100	QPSK	1	137	17.12			18.4	0	
100	QPSK	1	271	17.08					
100	QPSK	135	0	17			18.4	0	
100	QPSK	135	69	17.11			18.4	0	
100	QPSK	135	138	17.08			18.4	0	
100	QPSK	270	0	16.98					
100	16QAM	1	1	17.11			18.4	0	
100	64QAM	1	1	16.98			18.4	0	
100	256QAM	1	1	17.11			18.4	0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.77	16.88	16.74	18.4	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.68	16.93	16.8	18.4	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3750	3765			
70	QPSK	1	1	16.75	16.92	16.77	18.4	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.74	16.91	16.84	18.4	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.69	16.87	16.75	18.4	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.62	16.8	16.81	18.4	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.68	16.86	16.84	18.4	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.68	16.8	16.79	18.4	0	
Channel				647168	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	16.69	16.82	16.74	18.4	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	16.72	16.83	16.86	18.4	0	



n38 Ant 6								
BW [MHz]	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	PI/2 BPSK	1	1	18.97	19.09	19.07	20.5	0
40	PI/2 BPSK	1	108	19.08	19.19	19.07		
40	PI/2 BPSK	1	214	18.86	19.05	19.16		
40	PI/2 BPSK	108	0	18.96	19.14	19.05	20.5	0
40	PI/2 BPSK	108	54	19.03	19.11	18.94	20.5	0
40	PI/2 BPSK	108	108	18.89	19.10	19.14		
40	PI/2 BPSK	216	0	18.98	19.16	19.10	20.5	0
40	QPSK	1	1	19.07	19.21	19.16		
40	QPSK	1	108	18.94	18.99	19.02	20.5	0
40	QPSK	1	214	19.11	19.07	19.08		
40	QPSK	108	0	19.08	19.14	19.04	20.5	0
40	QPSK	108	54	18.97	19.17	19.04	20.5	0
40	QPSK	108	108	19.08	19.13	19.01		
40	QPSK	216	0	19.01	19.03	18.98	20.5	0
40	16QAM	1	1	18.86	19.16	19.09	20.5	0
40	64QAM	1	1	19.04	19.09	18.98	20.5	0
40	256QAM	1	1	18.43	18.56	18.36	19.5	1
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.06	19.13	19.14	20.5	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.96	19.09	18.99	20.5	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.89	19.12	19.14	20.5	0
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.08	19.20	18.95	20.5	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.85	19.13	19.09	20.5	0





Par270 n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.35	15.39	15.21	16.5	0	
100	PI/2 BPSK	1	137	15.37	15.36	15.12			
100	PI/2 BPSK	1	271	15.32	15.31	15.29			
100	PI/2 BPSK	135	0	14.99	14.92	15.06			
100	PI/2 BPSK	135	69	15.25	15.40	15.12	16.5	0	
100	PI/2 BPSK	135	138	15.00	14.90	14.94	16.5	0	
100	PI/2 BPSK	270	0	14.80	14.97	15.05	16.5	0	
100	QPSK	1	1	15.35	15.45	15.39	16.5	0	
100	QPSK	1	137	15.34	15.38	15.25			
100	QPSK	1	271	15.13	15.23	15.33			
100	QPSK	135	0	15.30	15.25	15.25			
100	QPSK	135	69	15.26	15.41	15.26	16.5	0	
100	QPSK	135	138	15.23	15.27	15.26	16.5	0	
100	QPSK	270	0	15.31	15.40	15.21	16.5	0	
100	16QAM	1	1	15.28	15.34	15.21	16.5	0	
100	64QAM	1	1	15.07	15.24	15.21	16.5	0	
100	256QAM	1	1	15.36	15.35	15.18	16.5	0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.15	15.36	15.19	16.5	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.22	15.35	15.34	16.5	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	QPSK	1	1	15.2	15.31	15.38	16.5	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.22	15.29	15.37	16.5	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.18	15.24	15.28	16.5	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.34	15.35	15.18	16.5	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.26	15.2	15.24	16.5	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.16	15.26	15.28	16.5	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.37	15.24	15.21	16.5	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.32	15.29	15.17	16.5	0	

Part270 n78 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	15.01			16.5	0	
100	PI/2 BPSK	1	137	14.91					
100	PI/2 BPSK	1	271	14.77					
100	PI/2 BPSK	135	0	14.36					
100	PI/2 BPSK	135	69	15.09			16.5	0	
100	PI/2 BPSK	135	138	14.47			16.5	0	
100	PI/2 BPSK	270	0	14.51			16.5	0	
100	QPSK	1	1	15.22			16.5	0	
100	QPSK	1	137	15.12					
100	QPSK	1	271	14.86					
100	QPSK	135	0	15.04					
100	QPSK	135	69	15.06			16.5	0	
100	QPSK	135	138	14.99			16.5	0	
100	QPSK	270	0	14.99			16.5	0	
100	16QAM	1	1	14.86			16.5	0	
100	64QAM	1	1	14.78			16.5	0	
100	256QAM	1	1	14.68			16.5	0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.22	15.02	15.16	16.5	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3760	3760.02			
80	QPSK	1	1	15.14	15.24	15.08	16.5	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3760	3765			
70	QPSK	1	1	15.02	15.22	15.03	16.5	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3760	3770.01			
60	QPSK	1	1	15.1	15.06	15.16	16.5	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3760	3775.02			
50	QPSK	1	1	15.2	15.01	15.03	16.5	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3760	3780			
40	QPSK	1	1	15.08	15.13	15.03	16.5	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3760	3785.01			
30	QPSK	1	1	15.1	15.13	15.16	16.5	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3760	3790.02			
20	QPSK	1	1	15.24	15.03	15.1	16.5	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3760	3792.51			
15	QPSK	1	1	15.08	15.08	15.09	16.5	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3760	3795			
10	QPSK	1	1	15.1	15.2	15.14	16.5	0	



Par270 n77 Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.41	18.37	18.03		
100	PI/2 BPSK	1	137	18.4	18.38	18.07	19.8	0
100	PI/2 BPSK	1	271	18.15	18.42	17.87		
100	PI/2 BPSK	135	0	18.48	18.43	17.87	19.8	0
100	PI/2 BPSK	135	69	18.1	18.5	17.95	19.8	0
100	PI/2 BPSK	135	138	18.45	18.5	17.96		
100	PI/2 BPSK	270	0	18.3	18.45	17.92	19.8	0
100	QPSK	1	1	18.56	18.59	18.1		
100	QPSK	1	137	18.16	18.37	18.13	19.8	0
100	QPSK	1	271	18.24	18.56	17.84		
100	QPSK	135	0	18.39	18.4	17.87	19.8	0
100	QPSK	135	69	18.38	18.51	17.92	19.8	0
100	QPSK	135	138	18.29	18.42	18		
100	QPSK	270	0	18.31	18.43	18.02	19.8	0
100	16QAM	1	1	18.27	18.43	18.03	19.8	0
100	64QAM	1	1	18.11	18.4	18.12	19.8	0
100	256QAM	1	1	17.55	17.83	17.46	18.5	1.3
Channel				649668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.4	18.41	18	19.8	0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.36	18.51	18.01	19.8	0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.39	18.5	18.09	19.8	0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.54	18.6	18.04	19.8	0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.36	18.58	18.05	19.8	0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.5	18.56	18.11	19.8	0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.42	18.44	17.96	19.8	0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.53	18.46	18.1	19.8	0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.46	18.46	18.11	19.8	0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.57	18.42	18.06	19.8	0

Part270 n78 Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.18			
100	PI/2 BPSK	1	137		18.02		19.8	0
100	PI/2 BPSK	1	271		18.24			
100	PI/2 BPSK	135	0		18.39		19.8	0
100	PI/2 BPSK	135	69		18.38		19.8	0
100	PI/2 BPSK	135	138		18.40			
100	PI/2 BPSK	270	0		18.32		19.8	0
100	QPSK	1	1		18.45			
100	QPSK	1	137		18.41		19.8	0
100	QPSK	1	271		18.23			
100	QPSK	135	0		18.14		19.8	0
100	QPSK	135	69		18.30		19.8	0
100	QPSK	135	138		18.23			
100	QPSK	270	0		18.27		19.8	0
100	16QAM	1	1		18.22		19.8	0
100	64QAM	1	1		18.26		19.8	0
100	256QAM	1	1		17.61		18.5	1.3
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.15	18.03	18.07	19.8	0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	17.95	18.14	18.01	19.8	0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3760	3765		
70	QPSK	1	1	17.98	18.11	17.96	19.8	0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3760	3770.01		
60	QPSK	1	1	18.08	18.08	18.02	19.8	0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	18.07	17.92	18.1	19.8	0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	17.97	18.09	17.97	19.8	0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	18.06	18.15	17.99	19.8	0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	17.97	18.15	18.09	19.8	0
Channel				647168	650000	652834		
Frequency (MHz)				3707.52	3760	3792.51		
15	QPSK	1	1	18.12	18.02	17.95	19.8	0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3760	3795		
10	QPSK	1	1	17.93	17.93	18.14	19.8	0



### Reduced Power Mode for Main PA EC14

n2 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				375000	376000	377000		
Frequency (MHz)				1875	1880	1885		
50	PI/2 BPSK	1	1	22.38	22.47	22.45	23.5	0
50	PI/2 BPSK	1	135	22.28	22.43	22.42		
50	PI/2 BPSK	1	268	22.34	22.4	22.3		
50	PI/2 BPSK	135	0	22.01	22.09	22.06	23	0.5
50	PI/2 BPSK	135	68	22.54	22.59	22.48	23.5	0
50	PI/2 BPSK	135	135	21.81	21.95	21.86	23	0.5
50	PI/2 BPSK	270	0	21.98	22.09	21.97		
50	QPSK	1	1	22.51	22.64	22.58	23.5	0
50	QPSK	1	135	22.3	22.39	22.31		
50	QPSK	1	268	22.24	22.38	22.34		
50	QPSK	135	0	21.52	21.58	21.51	22.5	1
50	QPSK	135	68	22.46	22.57	22.5	23.5	0
50	QPSK	135	135	21.38	21.44	21.36	22.5	1
50	QPSK	270	0	21.43	21.59	21.52		
50	16QAM	1	1	21.11	21.16	21.06	22.5	1
50	64QAM	1	1	19.56	19.72	19.68	21	2.5
50	256QAM	1	1	18.3	18.37	18.25	19	4.5
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	22.31	22.59	22.33	23.5	0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.38	22.57	22.39	23.5	0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.5	22.6	22.47	23.5	0
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.33	22.56	22.38	23.5	0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.4	22.57	22.51	23.5	0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.41	22.54	22.54	23.5	0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.41	22.58	22.5	23.5	0

n5 Ant 0								
BW [MHz]	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	PI/2 BPSK	1	1		22.22		24	0
25	PI/2 BPSK	1	64		22.39			
25	PI/2 BPSK	1	131		22.48			
25	PI/2 BPSK	64	0		22.15		23.5	0.5
25	PI/2 BPSK	64	33		22.59		24	0
25	PI/2 BPSK	64	65		21.93		23.5	0.5
25	PI/2 BPSK	128	0		22.14			
25	QPSK	1	1		22.73		24	0
25	QPSK	1	64		22.47			
25	QPSK	1	131		22.42			
25	QPSK	64	0		21.53		23	1
25	QPSK	64	33		22.62		24	0
25	QPSK	64	65		21.47		23	1
25	QPSK	128	0		21.72			
25	16QAM	1	1		21.09		23	1
25	64QAM	1	1		19.5		21.5	2.5
25	256QAM	1	1		18.39		19.5	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.7	22.71	22.68	24	0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.51	22.6	22.71	24	0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.66	22.67	22.71	24	0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.68	22.6	22.6	24	0



n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2925	2935	2945			
50	PI/2 BPSK	1	1	22.67	22.83	22.74	24	0	
50	PI/2 BPSK	1	135	22.86	22.94	22.78			
50	PI/2 BPSK	1	268	22.89	22.93	22.78			
50	PI/2 BPSK	135	0	22.32	22.48	22.41	23.5	0.5	
50	PI/2 BPSK	135	68	22.74	22.88	22.84	24	0	
50	PI/2 BPSK	135	135	22.41	22.49	22.33	23.5	0.5	
50	PI/2 BPSK	270	0	22.43	22.47	22.34			
50	QPSK	1	1	22.87	23.02	22.99	24	0	
50	QPSK	1	135	22.74	22.86	22.83			
50	QPSK	1	268	22.86	22.95	22.81			
50	QPSK	135	0	21.85	21.93	21.81	23	1	
50	QPSK	135	68	22.97	23.01	22.86	24	0	
50	QPSK	135	135	21.77	21.96	21.96	23	1	
50	QPSK	270	0	21.84	21.94	21.89			
50	16QAM	1	1	21.5	21.56	21.38	23	1	
50	64QAM	1	1	19.94	20.09	20.09	21.5	2.5	
50	256QAM	1	1	18.53	18.73	18.69	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.86	22.9	22.97	24	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.82	23	22.98	24	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.82	22.95	22.95	24	0	
Channel				503000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.73	22.92	22.97	24	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.69	22.98	22.85	24	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.72	22.88	22.83	24	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.75	23.02	22.81	24	0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.08	23.06	23.03	24	0	
40	PI/2 BPSK	1	108	23.24	23.19	23.12			
40	PI/2 BPSK	1	214	23.02	23.07	23.16			
40	PI/2 BPSK	108	0	22.63	22.72	22.63	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.11	23.17	24	0	
40	PI/2 BPSK	108	108	22.52	22.71	22.68	23.5	0.5	
40	PI/2 BPSK	216	0	22.52	22.72	22.81			
40	QPSK	1	1	23.21	23.25	23.11	24	0	
40	QPSK	1	108	23.1	23.04	23.07			
40	QPSK	1	214	23.01	23.24	22.97			
40	QPSK	108	0	22.22	22.17	22.07	23	1	
40	QPSK	108	54	23.19	23.23	23.12	24	0	
40	QPSK	108	108	21.98	22.29	22.15	23	1	
40	QPSK	216	0	22.22	22.23	22.1			
40	16QAM	1	1	21.82	21.78	21.64	23	1	
40	64QAM	1	1	20.31	20.29	20.17	21.5	2.5	
40	256QAM	1	1	18.8	19.08	18.78	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.13	23.16	23.02	24	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.23	23.13	22.92	24	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.07	23.12	22.9	24	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.13	23.2	23	24	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.14	23.25	23.04	24	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.11	23.27	23.09	24	0	



n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.3	23.24	23.17		
40	PI/2 BPSK	1	108	23.24	23.19	23.14	24	0
40	PI/2 BPSK	1	214	23.05	23.25	23.21		
40	PI/2 BPSK	108	0	22.48	22.75	22.81	23.5	0.5
40	PI/2 BPSK	108	54	23.27	23.21	23.04	24	0
40	PI/2 BPSK	108	108	22.48	22.57	22.66	23.5	0.5
40	PI/2 BPSK	216	0	22.66	22.86	22.64		
40	QPSK	1	1	23.26	23.37	23.25		
40	QPSK	1	108	22.95	23.22	23.08	24	0
40	QPSK	1	214	23.16	23.11	23.04		
40	QPSK	108	0	22.25	22.22	22.13	23	1
40	QPSK	108	54	23.09	23.25	23.15	24	0
40	QPSK	108	108	22.14	22.16	22.03	23	1
40	QPSK	216	0	22.21	22.23	22.24		
40	16QAM	1	1	22.02	22.07	22.04	23	1
40	64QAM	1	1	20.57	20.72	20.4	21.5	2.5
40	256QAM	1	1	19.2	19.22	19.36	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.92	24.05	23.98	24	0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.79	23.9	23.81	24	0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.82	24.06	23.94	24	0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.77	23.98	23.87	24	0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.93	24.01	23.96	24	0

n41 Ant 0								
BW [MHz]	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	PI/2 BPSK	1	1	22.67	22.83	22.93		
100	PI/2 BPSK	1	137	22.98	22.98	23.09	24	0
100	PI/2 BPSK	1	271	22.62	22.9	22.53		
100	PI/2 BPSK	135	0	22.46	22.5	22.46	23.5	0.5
100	PI/2 BPSK	135	69	22.8	22.85	22.82	24	0
100	PI/2 BPSK	135	138	22.09	22.38	22.27	23.5	0.5
100	PI/2 BPSK	270	0	22.37	22.24	22.32		
100	QPSK	1	1	23.05	23.25	23.2		
100	QPSK	1	137	22.75	23	22.97	24	0
100	QPSK	1	271	22.37	22.72	22.85		
100	QPSK	135	0	21.73	21.89	21.99	23	1
100	QPSK	135	69	22.83	22.95	22.86	24	0
100	QPSK	135	138	21.72	21.83	21.83	23	1
100	QPSK	270	0	21.76	21.99	21.75		
100	16QAM	1	1	21.49	21.54	21.49	23	1
100	64QAM	1	1	20.2	20.1	19.85	21.5	2.5
100	256QAM	1	1	18.57	18.73	18.85	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.05	23.05	23.08	24	0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.94	23.24	23.02	24	0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.85	23.03	23.06	24	0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.88	23.22	23.02	24	0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.88	23.08	23.16	24	0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.87	23.03	23.12	24	0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.95	23.17	23.03	24	0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.96	23.09	23.19	24	0
Channel				500700	518598	536996		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.84	23.13	23.09	24	0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.01	23.18	23.17	24	0

n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	377000			
Frequency (MHz)				1875	1880	1885			
50	PI/2 BPSK	1	1	21.36	21.46	21.37			
50	PI/2 BPSK	1	135	21.49	21.54	21.49	23	0	
50	PI/2 BPSK	1	268	21.44	21.51	21.48			
50	PI/2 BPSK	135	0	21.07	21.14	21.06	22.5	0.5	
50	PI/2 BPSK	135	68	21.58	21.63	21.5	23	0	
50	PI/2 BPSK	135	135	20.85	21.03	20.98			
50	PI/2 BPSK	270	0	21.1	21.16	20.99	22.5	0.5	
50	QPSK	1	1	21.5	21.66	21.55			
50	QPSK	1	135	21.4	21.49	21.39	23	0	
50	QPSK	1	268	21.47	21.48	21.34			
50	QPSK	135	0	20.42	20.61	20.54	22	1	
50	QPSK	135	68	21.48	21.6	21.45	23	0	
50	QPSK	135	135	20.43	20.56	20.49			
50	QPSK	270	0	20.58	20.67	20.56	22	1	
50	16QAM	1	1	20.22	20.25	20.2	22	1	
50	64QAM	1	1	18.73	18.84	18.75	20.5	2.5	
50	256QAM	1	1	17.33	17.45	17.33	18.5	4.5	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	21.33	21.56	21.44	23	0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	21.4	21.64	21.49	23	0	
Channel				372500	376000	379500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	21.45	21.61	21.37	23	0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.39	21.53	21.44	23	0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.33	21.48	21.38	23	0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.24	21.44	21.38	23	0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.33	21.39	21.41	23	0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						167300			
Frequency (MHz)						836.5			
25	PI/2 BPSK	1	1		22.22				
25	PI/2 BPSK	1	64		22.39		24	0	
25	PI/2 BPSK	1	131		22.48				
25	PI/2 BPSK	64	0		22.15		23.5	0.5	
25	PI/2 BPSK	64	33		22.59		24	0	
25	PI/2 BPSK	64	65		21.93				
25	PI/2 BPSK	128	0		22.14		23.5	0.5	
25	QPSK	1	1		22.73				
25	QPSK	1	64		22.47		24	0	
25	QPSK	1	131		22.42				
25	QPSK	64	0		21.53		23	1	
25	QPSK	64	33		22.62		24	0	
25	QPSK	64	65		21.47				
25	QPSK	128	0		21.72		23	1	
25	16QAM	1	1		21.09		23	1	
25	64QAM	1	1		19.5		21.5	2.5	
25	256QAM	1	1		18.39		19.5	4.5	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.7	22.71	22.68	24	0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.6	22.71	24	0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.68	22.67	22.71	24	0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.68	22.6	22.6	24	0	



n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.79	22.85	22.79		
50	PI/2 BPSK	1	135	23.03	23.09	22.95	24	0
50	PI/2 BPSK	1	268	23.03	23.09	23.01		
50	PI/2 BPSK	135	0	22.46	22.48	22.41	23.5	0.5
50	PI/2 BPSK	135	68	22.93	23.05	22.95	24	0
50	PI/2 BPSK	135	135	22.51	22.52	22.38		
50	PI/2 BPSK	270	0	22.49	22.57	22.43	23.5	0.5
50	QPSK	1	1	22.97	23.15	23.06		
50	QPSK	1	135	22.93	23.04	23.03	24	0
50	QPSK	1	268	22.92	23.04	22.99		
50	QPSK	135	0	21.84	21.97	21.88	23	1
50	QPSK	135	68	23.06	23.14	23.03	24	0
50	QPSK	135	135	21.9	21.96	21.85		
50	QPSK	270	0	21.92	22.04	21.92	23	1
50	16QAM	1	1	21.35	21.48	21.46	23	1
50	64QAM	1	1	19.94	19.97	19.91	21.5	2.5
50	256QAM	1	1	18.45	18.62	18.58	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	24	0
40	QPSK	1	1	22.94	23.14	23	24	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24	0
30	QPSK	1	1	22.96	23.11	23.03	24	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2533	2537.5	24	0
25	QPSK	1	1	22.93	23.14	22.92	24	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24	0
20	QPSK	1	1	22.95	23.07	22.99	24	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24	0
15	QPSK	1	1	22.92	23.07	23.02	24	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24	0
10	QPSK	1	1	22.79	22.97	22.95	24	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24	0
5	QPSK	1	1	22.8	23.07	23.04	24	0

n66 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.86	22.94	23.09		
40	PI/2 BPSK	1	108	22.77	22.94	22.85	24	0
40	PI/2 BPSK	1	214	22.8	22.95	22.95		
40	PI/2 BPSK	108	0	22.32	22.63	22.32	23.5	0.5
40	PI/2 BPSK	108	54	22.88	23.12	23.01	24	0
40	PI/2 BPSK	108	108	22.35	22.56	22.44		
40	PI/2 BPSK	216	0	22.58	22.64	22.49	23.5	0.5
40	QPSK	1	1	23.15	23.27	23.11		
40	QPSK	1	108	22.87	23.11	23.09	24	0
40	QPSK	1	214	22.8	22.91	22.94		
40	QPSK	108	0	21.84	22.17	21.99	23	1
40	QPSK	108	54	22.96	23.13	22.83	24	0
40	QPSK	108	108	21.92	22.07	22.16		
40	QPSK	216	0	21.97	22.12	22.06	23	1
40	16QAM	1	1	21.6	21.68	21.35	23	1
40	64QAM	1	1	19.98	20.04	20.2	21.5	2.5
40	256QAM	1	1	18.65	18.95	18.77	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24	0
30	QPSK	1	1	23.1	23.06	22.99	24	0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24	0
25	QPSK	1	1	22.99	23.06	23.11	24	0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24	0
20	QPSK	1	1	23.05	23.08	23	24	0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24	0
15	QPSK	1	1	23.1	23.2	22.9	24	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24	0
10	QPSK	1	1	23.04	23.19	22.96	24	0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24	0
5	QPSK	1	1	23.15	23.24	23.11	24	0



n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.4	23.55	23.4		
40	PI/2 BPSK	1	108	23.26	23.28	23.29	24	0
40	PI/2 BPSK	1	214	23.18	23.4	23.18		
40	PI/2 BPSK	108	0	22.72	22.8	22.83	23.5	0.5
40	PI/2 BPSK	108	54	23.3	23.16	23.26	24	0
40	PI/2 BPSK	108	108	22.44	22.43	22.51	23.5	0.5
40	PI/2 BPSK	216	0	22.57	22.65	22.51		
40	QPSK	1	1	23.45	23.57	23.24		
40	QPSK	1	108	23.25	23.36	23.2	24	0
40	QPSK	1	214	23.21	23.16	23.02		
40	QPSK	108	0	22.08	22.14	22.27	23	1
40	QPSK	108	54	22.99	23.19	23.14	24	0
40	QPSK	108	108	22.07	22	21.91	23	1
40	QPSK	216	0	22.24	22.26	22.09		
40	16QAM	1	1	21.89	22	21.76	23	1
40	64QAM	1	1	20.37	20.42	20.57	21.5	2.5
40	256QAM	1	1	19.01	19.13	19.05	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24	0
30	QPSK	1	1	23.54	23.58	23.54	24	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48	24	0
25	QPSK	1	1	23.51	23.56	23.5	24	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24	0
20	QPSK	1	1	23.54	23.66	23.53	24	0
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24	0
15	QPSK	1	1	23.5	23.68	23.48	24	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24	0
10	QPSK	1	1	23.5	23.61	23.41	24	0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.55	22.47	22.41		
100	PI/2 BPSK	1	137	22.27	22.32	22.49	24	0
100	PI/2 BPSK	1	271	22.31	22.48	22.46		
100	PI/2 BPSK	135	0	22.05	21.94	21.89	23.5	0.5
100	PI/2 BPSK	135	69	22.46	22.44	22.36	24	0
100	PI/2 BPSK	135	138	21.81	21.92	21.91	23.5	0.5
100	PI/2 BPSK	270	0	22.01	22	21.92		
100	QPSK	1	1	22.65	22.73	22.66		
100	QPSK	1	137	22.53	22.51	22.48	24	0
100	QPSK	1	271	22.01	21.99	22.22		
100	QPSK	135	0	21.45	21.51	21.44	23	1
100	QPSK	135	69	22.54	22.55	22.54	24	0
100	QPSK	135	138	21.26	21.36	21.3	23	1
100	QPSK	270	0	21.5	21.54	21.51		
100	16QAM	1	1	21.22	21.19	21.03	23	1
100	64QAM	1	1	19.67	19.5	19.63	21.5	2.5
100	256QAM	1	1	18.18	18.2	18.21	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24	0
90	QPSK	1	1	22.62	22.62	22.6	24	0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24	0
80	QPSK	1	1	22.56	22.62	22.53	24	0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24	0
70	QPSK	1	1	22.61	22.71	22.51	24	0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24	0
60	QPSK	1	1	22.67	22.63	22.56	24	0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24	0
50	QPSK	1	1	22.55	22.6	22.66	24	0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24	0
40	QPSK	1	1	22.54	22.63	22.63	24	0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24	0
30	QPSK	1	1	22.5	22.64	22.66	24	0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24	0
20	QPSK	1	1	22.55	22.73	22.44	24	0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	24	0
15	QPSK	1	1	22.65	22.66	22.5	24	0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	24	0
10	QPSK	1	1	22.61	22.63	22.53	24	0





n38 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.02	23.11	23.04			
40	PI2 BPSK	1	108	22.5	22.6	22.58	24	0	
40	PI2 BPSK	1	214	21.89	21.98	21.81			
40	PI2 BPSK	108	0	22.16	22.34	22.21	23.5	0.5	
40	PI2 BPSK	108	54	22.53	22.53	22.43	24	0	
40	PI2 BPSK	108	108	22.15	22.23	22.07	23.5	0.5	
40	PI2 BPSK	216	0	22.07	22.19	22.09			
40	QPSK	1	1	22.92	23.12	23.01			
40	QPSK	1	108	22.74	22.77	22.58	24	0	
40	QPSK	1	214	22.09	22.03	22.11			
40	QPSK	108	0	21.88	21.89	21.77	23	1	
40	QPSK	108	54	22.40	22.54	22.49	24	0	
40	QPSK	108	108	21.11	21.26	21.01			
40	QPSK	216	0	21.44	21.59	21.52	23	1	
40	16QAM	1	1	21.88	21.96	21.85	23	1	
40	16QAM	1	1	20.81	20.63	20.64	21.5	2.5	
40	256QAM	1	1	19.24	19.29	19.15	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.83	22.96	22.84	24	0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.79	23.12	22.82	24	0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.83	22.92	23.01	24	0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.8	23.07	22.89	24	0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.72	23.01	22.97	24	0	

Par270 n77 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.95	22.42	21.98			
100	PI2 BPSK	1	137	22.28	22.35	22.18	23.5	0	
100	PI2 BPSK	1	271	22.17	22.33	21.93			
100	PI2 BPSK	135	0	22.11	22.38	21.94	23.5	0	
100	PI2 BPSK	135	69	22.1	22.37	22.03	23.5	0	
100	PI2 BPSK	135	138	22.15	22.39	22.14	23.5	0	
100	PI2 BPSK	270	0	22.22	22.17	22.16			
100	QPSK	1	1	22.21	22.33	22.31			
100	QPSK	1	137	22.18	22.33	21.99	23.5	0	
100	QPSK	1	271	22.05	22.43	22.23			
100	QPSK	135	0	22.11	22.23	22.28	23	0.5	
100	QPSK	135	69	22.14	22.41	22.03	23.5	0	
100	QPSK	135	138	22.15	22.28	21.95			
100	QPSK	270	0	21.97	22.42	22.01	23	0.5	
100	16QAM	1	1	21.68	21.96	21.59	23	0.5	
100	16QAM	1	1	20.31	20.37	20.24	21.5	2	
100	256QAM	1	1	18.18	18.54	18.18	19.5	4	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.07	22.44	22.31	23.5	0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.1	22.49	22.11	23.5	0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.2	22.47	22.19	23.5	0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.07	22.4	22.21	23.5	0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.19	22.41	22.14	23.5	0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.04	22.51	22.32	23.5	0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.02	22.35	22.29	23.5	0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.06	22.52	22.24	23.5	0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.02	22.43	22.16	23.5	0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.18	22.41	22.13	23.5	0	

Part270 n78 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1			21.97			
100	PI2 BPSK	1	137			21.97	23.5	0	
100	PI2 BPSK	1	271			22			
100	PI2 BPSK	135	0			21.88	23.5	0	
100	PI2 BPSK	135	69			21.76	23.5	0	
100	PI2 BPSK	135	138			21.82	23.5	0	
100	PI2 BPSK	270	0			21.83			
100	QPSK	1	1			22.16			
100	QPSK	1	137			21.86	23.5	0	
100	QPSK	1	271			22.05			
100	QPSK	135	0			21.78	23	0.5	
100	QPSK	135	69			21.91	23.5	0	
100	QPSK	135	138			21.78	23	0.5	
100	QPSK	270	0			22.04			
100	16QAM	1	1			21.58	23	0.5	
100	16QAM	1	1			20.05	21.5	2	
100	256QAM	1	1			18.11	19.5	4	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	



Par270 n77 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.97	22.92	22.88			
100	PI/2 BPSK	1	137	22.89	22.96	22.9	24	0	
100	PI/2 BPSK	1	271	22.96	22.87	22.72			
100	PI/2 BPSK	135	0	22.83	23.06	23.04	24	0	
100	PI/2 BPSK	135	69	23.1	22.97	23	24	0	
100	PI/2 BPSK	135	138	22.75	22.95	22.75	24	0	
100	PI/2 BPSK	270	0	22.9	22.99	22.84			
100	QPSK	1	1	23.32	23.37	23.34			
100	QPSK	1	137	22.84	23.22	23.1	24	0	
100	QPSK	1	271	22.89	23.03	23.02			
100	QPSK	135	0	23.11	23.08	23.03	24	0	
100	QPSK	135	69	23.13	23.18	23.02	24	0	
100	QPSK	135	138	23.06	23.1	23.08			
100	QPSK	270	0	22.93	23.11	23.05	24	0	
100	16QAM	1	1	23.16	23.23	23.33	24	0	
100	64QAM	1	1	23.25	23.24	23.35	24	0	
100	256QAM	1	1	18.65	18.59	18.64	22.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.34	23.38	23.28	24	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.29	23.15	23.26	24	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.29	23.36	23.21	24	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.12	23.23	23.15	24	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.25	23.2	23.25	24	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.16	23.26	23.13	24	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.32	23.36	23.21	24	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.24	23.36	23.3	24	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.3	23.18	23.33	24	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.33	23.23	23.25	24	0	

Par270 n77 HPUE Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.93	25.91	25.98			
100	PI/2 BPSK	1	137	25.79	25.94	25.91	27	0	
100	PI/2 BPSK	1	271	25.93	25.96	25.77			
100	PI/2 BPSK	135	0	25.74	25.95	25.95	26.5	0.5	
100	PI/2 BPSK	135	69	26.17	26.03	25.94	27	0	
100	PI/2 BPSK	135	138	25.73	25.92	25.68	26.5	0.5	
100	PI/2 BPSK	270	0	25.99	25.92	25.81			
100	QPSK	1	1	26.21	26.31	26.25			
100	QPSK	1	137	26.02	26.16	26.2	27	0	
100	QPSK	1	271	26.04	26.11	26.03			
100	QPSK	135	0	25.01	25.29	24.98	26	1	
100	QPSK	135	69	26.25	26.26	26.19	27	0	
100	QPSK	135	138	24.99	25.22	25.13	26	1	
100	QPSK	270	0	24.88	25.22	25.09			
100	16QAM	1	1	25.04	25.02	24.99	26	1	
100	64QAM	1	1	23.39	23.46	23.49	24.5	2.5	
100	256QAM	1	1	21.6	21.62	21.6	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	26.22	26.29	26.15	27	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	26.06	26.1	26.26	27	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	26.19	26.18	26.1	27	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	26.08	26.2	26.19	27	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	26.14	26.12	26.11	27	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	26.06	26.22	26.15	27	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	26.2	26.12	26.17	27	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	26.06	26.29	26.1	27	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	26.13	26.27	26.24	27	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	26.18	26.22	26.22	27	0	

Part270 n78 Ant 4									
BW [MHz]	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	Pl/2 BPSK	1	1	22.91			24	0	
100	Pl/2 BPSK	1	137	22.82					
100	Pl/2 BPSK	1	271	22.77					
100	Pl/2 BPSK	135	0	22.98					
100	Pl/2 BPSK	135	69	22.83					
100	Pl/2 BPSK	135	138	22.97					
100	Pl/2 BPSK	270	0	22.83					
100	QPSK	1	1	23.34					
100	QPSK	1	137	23.2					
100	QPSK	1	271	22.89					
100	QPSK	135	0	22.97					
100	QPSK	135	69	23.13					
100	QPSK	135	138	23.1					
100	QPSK	270	0	22.92					
100	16QAM	1	1	23.18					
100	64QAM	1	1	23.11					
100	256QAM	1	1	18.59					
Channel					649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3745.02	3750	3755.01		
90	QPSK	1	1	23.22	23.26	23.3	24	0	
Channel					649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3740.01	3750	3760.02		
80	QPSK	1	1	23.1	23.36	23.26	24	0	
Channel					649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3735	3750	3765		
70	QPSK	1	1	23.12	23.2	23.29	24	0	
Channel					648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3730.02	3750	3770.01		
60	QPSK	1	1	23.11	23.26	23.27	24	0	
Channel					648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3725.01	3750	3775.02		
50	QPSK	1	1	23.15	23.18	23.15	24	0	
Channel					648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3720	3750	3780		
40	QPSK	1	1	23.23	23.22	23.21	24	0	
Channel					647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3715.02	3750	3785.01		
30	QPSK	1	1	23.29	23.24	23.15	24	0	
Channel					647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3710.01	3750	3790.02		
20	QPSK	1	1	23.31	23.24	23.33	24	0	
Channel					647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3707.52	3750	3792.51		
15	QPSK	1	1	23.12	23.23	23.12	24	0	
Channel					647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3705	3750	3795		
10	QPSK	1	1	23.24	23.2	23.3	24	0	

Part270 n78 HPUE Ant 4									
BW [MHz]	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	Pl/2 BPSK	1	1	26.21			27	0	
100	Pl/2 BPSK	1	137	26.18					
100	Pl/2 BPSK	1	271	26.19					
100	Pl/2 BPSK	135	0	25.17					
100	Pl/2 BPSK	135	69	26.25					
100	Pl/2 BPSK	135	138	25.3					
100	Pl/2 BPSK	270	0	25.13					
100	QPSK	1	1	26.28					
100	QPSK	1	137	26.19					
100	QPSK	1	271	26.25					
100	QPSK	135	0	25.19					
100	QPSK	135	69	26.2					
100	QPSK	135	138	25.39					
100	QPSK	270	0	25.27					
100	16QAM	1	1	25.3					
100	64QAM	1	1	23.84					
100	256QAM	1	1	21.7					
Channel					649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3745.02	3750	3755.01		
90	QPSK	1	1	26.07	26.18	26.04	27	0	
Channel					649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3740.01	3750	3760.02		
80	QPSK	1	1	26.12	26.18	26.23	27	0	
Channel					649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3735	3750	3765		
70	QPSK	1	1	26.08	26.12	26.04	27	0	
Channel					648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3730.02	3750	3770.01		
60	QPSK	1	1	26.18	26.1	26.18	27	0	
Channel					648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3725.01	3750	3775.02		
50	QPSK	1	1	26.18	26.15	26.17	27	0	
Channel					648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3720	3750	3780		
40	QPSK	1	1	26.22	26.32	26.05	27	0	
Channel					647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3715.02	3750	3785.01		
30	QPSK	1	1	26.22	26.11	26.22	27	0	
Channel					647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3710.01	3750	3790.02		
20	QPSK	1	1	26.1	26.17	26.1	27	0	
Channel					647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3707.52	3750	3792.51		
15	QPSK	1	1	26.13	26.27	26.09	27	0	
Channel					647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3705	3750	3795		
10	QPSK	1	1	26	26.21	26.19	27	0	



n38 Ant 6								
BW [MHz]	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	Pi/2 BPSK	1	1	18.33	18.71	18.7	20	0
40	Pi/2 BPSK	1	108	18.42	18.6	18.74		
40	Pi/2 BPSK	1	214	18.36	18.59	18.78		
40	Pi/2 BPSK	108	0	18.54	18.53	18.67	20	0
40	Pi/2 BPSK	108	54	18.32	18.56	18.7	20	0
40	Pi/2 BPSK	108	108	18.47	18.67	18.63	20	0
40	Pi/2 BPSK	216	0	18.37	18.67	18.65		
40	QPSK	1	1	18.54	18.92	18.83		
40	QPSK	1	108	18.5	18.75	18.73	20	0
40	QPSK	1	214	18.34	18.6	18.79		
40	QPSK	108	0	18.41	18.64	18.79	20	0
40	QPSK	108	54	18.43	18.91	18.67	20	0
40	QPSK	108	108	18.56	18.81	18.83	20	0
40	QPSK	216	0	18.51	18.76	18.74		
40	16QAM	1	1	18.54	18.76	18.66	20	0
40	64QAM	1	1	18.45	18.74	18.69	20	0
40	256QAM	1	1	18.43	18.56	18.36	19.5	0.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.53	18.7	18.63	20	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.38	18.58	18.74	20	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.48	18.71	18.72	20	0
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.49	18.73	18.82	20	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.35	18.72	18.68	20	0



Par270 n77 Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	22.76	22.88	22.64	24	0		
100	PI/2 BPSK	1	137	22.77	22.82	22.66				
100	PI/2 BPSK	1	271	22.72	22.71	22.81				
100	PI/2 BPSK	135	0	22.48	22.4	22.48	23.5	0.5		
100	PI/2 BPSK	135	69	22.69	22.86	22.66	24	0		
100	PI/2 BPSK	135	138	22.46	22.36	22.35	23.5	0.5		
100	PI/2 BPSK	270	0	22.4	22.42	22.44				
100	QPSK	1	1	22.88	22.92	22.86	24	0		
100	QPSK	1	137	22.75	22.91	22.73				
100	QPSK	1	271	22.7	22.8	22.84				
100	QPSK	135	0	21.93	21.87	21.9	23	1		
100	QPSK	135	69	22.87	22.85	22.79	24	0		
100	QPSK	135	138	21.95	22.02	21.87	23	1		
100	QPSK	270	0	21.77	21.81	21.75				
100	16QAM	1	1	21.79	21.96	21.97	23	1		
100	64QAM	1	1	20.33	20.54	20.38	21.5	2.5		
100	256QAM	1	1	18.38	18.46	18.32	19.5	4.5		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	22.76	22.87	22.74	24	0		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3940.02				
80	QPSK	1	1	22.74	22.8	22.77	24	0		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	22.81	22.84	22.73	24	0		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3950.01				
60	QPSK	1	1	22.76	22.86	22.79	24	0		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	22.74	22.86	22.78	24	0		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	22.74	22.79	22.71	24	0		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3965.01				
30	QPSK	1	1	22.77	22.79	22.8	24	0		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	22.79	22.79	22.8	24	0		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3840	3972.51				
15	QPSK	1	1	22.78	22.82	22.74	24	0		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	22.82	22.85	22.78	24	0		

Part270 n78 Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750						
100	PI/2 BPSK	1	1	22.5			24	0		
100	PI/2 BPSK	1	137	22.44						
100	PI/2 BPSK	1	271	22.25						
100	PI/2 BPSK	135	0	21.94			23.5	0.5		
100	PI/2 BPSK	135	69	22.49			24	0		
100	PI/2 BPSK	135	138	22.08			23.5	0.5		
100	PI/2 BPSK	270	0	22.03						
100	QPSK	1	1	22.58			24	0		
100	QPSK	1	137	22.51						
100	QPSK	1	271	22.4						
100	QPSK	135	0	21.99			23	1		
100	QPSK	135	69	22.54			24	0		
100	QPSK	135	138	21.49			23	1		
100	QPSK	270	0	21.67						
100	16QAM	1	1	21.62			23	1		
100	64QAM	1	1	20.39			21.5	2.5		
100	256QAM	1	1	18.33			19.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	1	22.31	22.35	22.3	24	0		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1	22.28	22.28	22.25	24	0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1	22.24	22.33	22.31	24	0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1	22.29	22.33	22.31	24	0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	1	22.23	22.33	22.26	24	0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1	22.23	22.33	22.3	24	0		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01				
30	QPSK	1	1	22.25	22.28	22.29	24	0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	1	22.27	22.27	22.22	24	0		
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	1	22.26	22.27	22.3	24	0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1	22.3	22.32	22.29	24	0		



Par270 n77 Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	22.24	22.32	21.9				
100	PI/2 BPSK	1	137	22.13	22.4	21.95	23	0		
100	PI/2 BPSK	1	271	22.13	22.3	21.73				
100	PI/2 BPSK	135	0	22.25	22.29	21.84	22.5	0.5		
100	PI/2 BPSK	135	69	22.06	22.26	21.85	23	0		
100	PI/2 BPSK	135	138	22.36	22.39	21.96	22.5	0.5		
100	PI/2 BPSK	270	0	22.11	22.45	21.77				
100	QPSK	1	1	22.33	22.46	22.12				
100	QPSK	1	137	22.29	22.41	21.96	23	0		
100	QPSK	1	271	22.19	22.44	21.82				
100	QPSK	135	0	21.16	21.31	20.98	22	1		
100	QPSK	135	69	22.37	22.39	21.82	23	0		
100	QPSK	135	138	21.09	21.29	20.77	22	1		
100	QPSK	270	0	21.04	21.41	20.98				
100	16QAM	1	1	21.1	21.34	20.97	22	1		
100	64QAM	1	1	19.76	19.93	19.38	20.5	2.5		
100	256QAM	1	1	17.55	17.83	17.46	18.5	4.5		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01	23	0		
90	QPSK	1	1	21.56	21.62	21.36				
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3940.02	23	0		
80	QPSK	1	1	21.55	21.66	21.37				
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3910	3915	23	0		
70	QPSK	1	1	21.49	21.61	21.33				
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3950.01	23	0		
60	QPSK	1	1	21.51	21.63	21.3				
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3955.02	23	0		
50	QPSK	1	1	21.52	21.64	21.27				
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960	23	0		
40	QPSK	1	1	21.57	21.68	21.35				
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3965.01	23	0		
30	QPSK	1	1	21.5	21.66	21.28				
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02	23	0		
20	QPSK	1	1	21.51	21.63	21.36				
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3840	3972.51	23	0		
15	QPSK	1	1	21.56	21.64	21.31				
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3840	3975	23	0		
10	QPSK	1	1	21.54	21.68	21.29				

Part270 n78 Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		21.86					
100	PI/2 BPSK	1	137		21.77		23	0		
100	PI/2 BPSK	1	271		21.88					
100	PI/2 BPSK	135	0		21.93		22.5	0.5		
100	PI/2 BPSK	135	69		22.09		23	0		
100	PI/2 BPSK	135	138		21.93		22.5	0.5		
100	PI/2 BPSK	270	0		21.89					
100	QPSK	1	1		22.11					
100	QPSK	1	137		22.03		23	0		
100	QPSK	1	271		21.75					
100	QPSK	135	0		21.23		22	1		
100	QPSK	135	69		22.04		23	0		
100	QPSK	135	138		21.11		22	1		
100	QPSK	270	0		21.02					
100	16QAM	1	1		21.1		22	1		
100	64QAM	1	1		19.63		20.5	2.5		
100	256QAM	1	1		17.61		18.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	23	0		
90	QPSK	1	1	21.51	21.67	21.37				
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02	23	0		
80	QPSK	1	1	21.49	21.66	21.28				
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	23	0		
70	QPSK	1	1	21.52	21.62	21.36				
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01	23	0		
60	QPSK	1	1	21.55	21.66	21.33				
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02	23	0		
50	QPSK	1	1	21.55	21.61	21.35				
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	23	0		
40	QPSK	1	1	21.49	21.63	21.35				
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01	23	0		
30	QPSK	1	1	21.56	21.67	21.35				
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02	23	0		
20	QPSK	1	1	21.49	21.67	21.3				
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51	23	0		
15	QPSK	1	1	21.53	21.68	21.36				
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	23	0		
10	QPSK	1	1	21.53	21.63	21.33				



### Reduced Power Mode for Main PA EC16

n2 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				375000	376000	377000				
Frequency (MHz)				1875	1880	1885				
50	PI/2 BPSK	1	1	20.37	20.57	20.42				
50	PI/2 BPSK	1	135	20.44	20.54	20.41	21.7	0		
50	PI/2 BPSK	1	268	20.4	20.47	20.4				
50	PI/2 BPSK	135	0	20.53	20.43	20.46	21.7	0		
50	PI/2 BPSK	135	68	20.43	20.58	20.36	21.7	0		
50	PI/2 BPSK	135	135	20.45	20.51	20.36	21.7	0		
50	PI/2 BPSK	270	0	20.38	20.59	20.44				
50	QPSK	1	1	20.57	20.63	20.55				
50	QPSK	1	185	20.52	20.54	20.51	21.7	0		
50	QPSK	1	268	20.53	20.42	20.5				
50	QPSK	135	0	20.38	20.45	20.51	21.7	0		
50	QPSK	135	68	20.52	20.55	20.36	21.7	0		
50	QPSK	135	135	20.54	20.42	20.51				
50	QPSK	270	0	20.41	20.49	20.42	21.7	0		
50	16QAM	1	1	20.43	20.57	20.35	21.7	0		
50	64QAM	1	1	19.82	19.98	19.94	21	0.7		
50	256QAM	1	1	18.56	18.63	18.51	19	2.7		
Channel				374000	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	QPSK	1	1	19.81	19.91	19.83	21.7	0		
Channel				373000	376000	379000				
Frequency (MHz)				1865	1880	1895				
30	QPSK	1	1	19.8	19.82	19.83	21.7	0		
Channel				372000	376000	378000				
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	19.84	19.93	19.86	21.7	0		
Channel				372000	376000	380000				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	19.75	19.84	19.84	21.7	0		
Channel				371500	376000	380500				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	19.88	19.92	19.86	21.7	0		
Channel				371000	376000	381000				
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	19.81	19.94	19.82	21.7	0		
Channel				370500	376000	381500				
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	19.88	19.94	19.77	21.7	0		

n5 Ant 0											
BW [MHz]	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	PI/2 BPSK	1	1			22.71					
25	PI/2 BPSK	1	64			22.85					
25	PI/2 BPSK	1	131			23.02					
25	PI/2 BPSK	64	0			22.32		23.5	0.5		
25	PI/2 BPSK	64	33			22.9		24	0		
25	PI/2 BPSK	64	65			22.26		23.5	0.5		
25	PI/2 BPSK	128	0			22.47					
25	QPSK	1	1			23.08					
25	QPSK	1	64			22.94		24	0		
25	QPSK	1	131			22.92					
25	QPSK	64	0			21.96		23	1		
25	QPSK	64	33			23.03		24	0		
25	QPSK	64	65			21.71					
25	QPSK	128	0			21.96		23	1		
25	16QAM	1	1			21.48		23	1		
25	64QAM	1	1			21.06		21.5	2.5		
25	256QAM	1	1			18.53		19.5	4.5		
Channel							166800	167300	167800		
Frequency (MHz)							834	836.5	839		
20	QPSK	1	1			22.93	23.01	22.96	24	0	
Channel							166300	167300	168300		
Frequency (MHz)							831.5	836.5	841.5		
15	QPSK	1	1			22.77	23.04	22.84	24	0	
Channel							165800	167300	168300		
Frequency (MHz)							829	836.5	844		
10	QPSK	1	1			22.78	23.04	22.79	24	0	
Channel							165300	167300	169300		
Frequency (MHz)							826.5	836.5	846.5		
5	QPSK	1	1			22.84	22.95	22.87	24	0	



n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	507000	506000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	20.67	20.82	20.55			
50	PI/2 BPSK	1	135	20.59	20.83	20.54	22	0	
50	PI/2 BPSK	1	268	20.66	20.75	20.68			
50	PI/2 BPSK	135	0	20.54	20.79	20.65	22	0	
50	PI/2 BPSK	135	68	20.69	20.71	20.65	22	0	
50	PI/2 BPSK	135	135	20.51	20.78	20.62			
50	PI/2 BPSK	270	0	20.56	20.72	20.7	22	0	
50	QPSK	1	1	20.72	20.91	20.74			
50	QPSK	1	135	20.6	20.76	20.53	22	0	
50	QPSK	1	268	20.63	20.82	20.58			
50	QPSK	135	0	20.63	20.84	20.64	22	0	
50	QPSK	135	68	20.56	20.87	20.7	22	0	
50	QPSK	135	135	20.62	20.72	20.62			
50	QPSK	270	0	20.66	20.81	20.6	22	0	
50	16QAM	1	1	20.64	20.72	20.64	22	0	
50	64QAM	1	1	19.94	20.09	20.09	21.5	0.5	
50	256QAM	1	1	18.53	18.73	18.69	19.5	2.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	20.28	20.33	20.16	22	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.19	20.47	20.17	22	0	
Channel				508000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2537.5			
25	QPSK	1	1	20.27	20.44	20.22	22	0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.15	20.38	20.27	22	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.29	20.38	20.3	22	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.15	20.42	20.18	22	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	20.26	20.43	20.18	22	0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	19.82	19.83	19.76			
40	PI/2 BPSK	1	108	19.81	19.92	19.84	21.4	0	
40	PI/2 BPSK	1	214	19.87	19.88	19.8			
40	PI/2 BPSK	108	0	19.86	19.88	19.71	21.4	0	
40	PI/2 BPSK	108	54	19.83	19.87	19.84	21.4	0	
40	PI/2 BPSK	108	108	19.83	19.84	19.66			
40	PI/2 BPSK	216	0	19.78	19.86	19.8	21.4	0	
40	QPSK	1	1	19.9	19.97	19.87			
40	QPSK	1	108	19.77	19.79	19.76	21.4	0	
40	QPSK	1	214	19.86	19.87	19.67			
40	QPSK	108	0	19.76	19.78	19.83	21.4	0	
40	QPSK	108	54	19.84	19.85	19.83	21.4	0	
40	QPSK	108	108	19.8	19.81	19.75			
40	QPSK	216	0	19.71	19.87	19.66	21.4	0	
40	16QAM	1	1	19.73	19.77	19.79	21.4	0	
40	64QAM	1	1	19.71	19.93	19.79	21.4	0	
40	256QAM	1	1	18.8	19.08	18.78	19.5	1.9	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.4	19.38	19.34	21.4	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.4	19.47	19.29	21.4	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.46	19.5	19.29	21.4	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.43	19.44	19.44	21.4	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.36	19.47	19.35	21.4	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.46	19.45	19.41	21.4	0	





n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.88	21.94	21.95	23.3	0
40	PI/2 BPSK	1	108	21.96	21.98	21.93		
40	PI/2 BPSK	1	214	21.9	22.01	21.99	23.3	0
40	PI/2 BPSK	108	0	21.95	22	21.91		
40	PI/2 BPSK	108	54	21.95	22.06	21.91	23.3	0
40	PI/2 BPSK	108	108	21.91	21.98	21.91		
40	PI/2 BPSK	216	0	22.04	21.95	21.94	23.3	0
40	QPSK	1	1	22.07	22.09	22.03		
40	QPSK	1	108	21.98	21.89	21.87	23	0.3
40	QPSK	1	214	21.95	21.96	21.94		
40	QPSK	108	0	21.9	21.9	21.88	23	0.3
40	QPSK	108	54	21.86	21.91	21.9		
40	QPSK	108	108	21.9	21.84	21.89	23	0.3
40	QPSK	216	0	21.9	21.91	21.87		
40	16QAM	1	1	22.04	22.05	21.85	23	1.8
40	64QAM	1	1	20.17	20.32	20.11		
40	256QAM	1	1	19.08	19.11	19.13	19.5	3.8
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22	22.02	21.98	23.3	0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.01	22.05	21.89	23.3	0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.9	22.04	21.94	23.3	0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.01	21.82	21.88	23.3	0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.05	22.03	21.96	23.3	0

n41 Ant 0								
BW [MHz]	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	PI/2 BPSK	1	1	22.67	22.83	22.93	24	0
100	PI/2 BPSK	1	137	22.98	22.98	23.09		
100	PI/2 BPSK	1	271	22.62	22.9	22.53	23.5	0.5
100	PI/2 BPSK	135	0	22.46	22.5	22.46		
100	PI/2 BPSK	135	69	22.8	22.85	22.82	24	0
100	PI/2 BPSK	135	138	22.09	22.38	22.27		
100	PI/2 BPSK	270	0	22.37	22.24	22.32	23.5	0.5
100	QPSK	1	1	23.05	23.25	23.2		
100	QPSK	1	137	22.75	23	22.97	24	0
100	QPSK	1	271	22.37	22.72	22.85		
100	QPSK	135	0	21.73	21.89	21.99	23	1
100	QPSK	135	69	22.83	22.95	22.86		
100	QPSK	135	138	21.72	21.83	21.83	23	1
100	QPSK	270	0	21.76	21.99	21.75		
100	16QAM	1	1	21.49	21.54	21.49	23	1
100	64QAM	1	1	20.2	20.1	19.85		
100	256QAM	1	1	18.57	18.73	18.85	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.05	23.05	23.08	24	0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.94	23.24	23.02	24	0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.85	23.03	23.06	24	0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.88	23.22	23.02	24	0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.88	23.08	23.16	24	0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.87	23.03	23.12	24	0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.95	23.17	23.03	24	0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.96	23.09	23.19	24	0
Channel				500700	518598	536996		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.84	23.13	23.09	24	0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.01	23.18	23.17	24	0



n2 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				375000	376000	377000		
Frequency (MHz)				1875	1880	1885		
50	PI/2 BPSK	1	1	19.86	20.01	19.98		
50	PI/2 BPSK	1	135	20.00	20.03	19.90	21.4	0
50	PI/2 BPSK	1	268	19.90	20.08	20.01		
50	PI/2 BPSK	135	0	19.97	20.08	20.03	21.4	0
50	PI/2 BPSK	135	68	19.91	19.94	19.94	21.4	0
50	PI/2 BPSK	135	135	19.84	20.07	19.98	21.4	0
50	PI/2 BPSK	270	0	20.00	20.02	19.98		
50	QPSK	1	1	20.05	20.12	20.08		
50	QPSK	1	135	20.02	19.99	19.96	21.4	0
50	QPSK	1	268	19.89	19.98	19.96		
50	QPSK	135	0	19.94	19.91	19.94	21.4	0
50	QPSK	135	68	19.91	20.07	20.03	21.4	0
50	QPSK	135	135	20.02	19.92	19.92		
50	QPSK	270	0	19.90	19.93	19.92	21.4	0
50	16QAM	1	1	20.02	20.00	19.95	21.4	0
50	64QAM	1	1	18.73	18.84	18.75	20.5	0.9
50	256QAM	1	1	17.33	17.45	17.33	18.5	2.9
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	19.43	19.56	19.51	21.4	0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.46	19.56	19.63	21.4	0
Channel				372500	376000	379500		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.54	19.64	19.6	21.4	0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.59	19.59	19.54	21.4	0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.61	19.7	19.5	21.4	0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.52	19.59	19.65	21.4	0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.64	19.62	19.57	21.4	0

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							167300		
Frequency (MHz)							836.5		
25	PI/2 BPSK	1	1			22.22			
25	PI/2 BPSK	1	64			22.39	24	0	
25	PI/2 BPSK	1	131			22.48			
25	PI/2 BPSK	64	0			22.15	23.5	0.5	
25	PI/2 BPSK	64	33			22.59	24	0	
25	PI/2 BPSK	64	65			21.93	23.5	0.5	
25	PI/2 BPSK	128	0			22.14			
25	QPSK	1	1			22.73			
25	QPSK	1	64			22.47	24	0	
25	QPSK	1	131			22.42			
25	QPSK	64	0			21.53	23	1	
25	QPSK	64	33			22.62	24	0	
25	QPSK	64	65			21.47	23	1	
25	QPSK	128	0			21.72			
25	16QAM	1	1			21.09	23	1	
25	64QAM	1	1			19.5	21.5	2.5	
25	256QAM	1	1			18.39	19.5	4.5	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.7	22.71	22.68	24	0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.6	22.71	24	0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.66	22.67	22.71	24	0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.68	22.6	22.6	24	0	



n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	18.40	18.43	18.28			
50	PI/2 BPSK	1	135	18.36	18.41	18.32	19.5	0	
50	PI/2 BPSK	1	268	18.40	18.45	18.16			
50	PI/2 BPSK	135	0	18.32	18.40	18.24	19.5	0	
50	PI/2 BPSK	135	68	18.39	18.54	18.15	19.5	0	
50	PI/2 BPSK	135	135	18.32	18.45	18.18	19.5	0	
50	PI/2 BPSK	270	0	18.37	18.45	18.32			
50	QPSK	1	1	18.45	18.59	18.35			
50	QPSK	1	135	18.33	18.45	18.20	19.5	0	
50	QPSK	1	268	18.41	18.55	18.22			
50	QPSK	135	0	18.36	18.5	18.19	19.5	0	
50	QPSK	135	68	18.37	18.51	18.24	19.5	0	
50	QPSK	135	135	18.41	18.44	18.15	19.5	0	
50	QPSK	270	0	18.36	18.50	18.27	19.5	0	
50	16QAM	1	1	18.41	18.53	18.32	19.5	0	
50	64QAM	1	1	18.39	18.44	18.21	19.5	0	
50	256QAM	1	1	18.31	18.4	18.27	19.5	0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	17.94	18.05	17.91	19.5	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.93	18.07	17.88	19.5	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2533	2537.5			
25	QPSK	1	1	18.00	18.14	17.88	19.5	0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.91	18.04	17.89	19.5	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.02	18.02	17.92	19.5	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.94	18.03	17.83	19.5	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.01	18.01	17.93	19.5	0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	18.89	18.99	18.86			
40	PI/2 BPSK	1	108	18.86	18.99	18.72	20	0	
40	PI/2 BPSK	1	214	18.99	18.94	18.73			
40	PI/2 BPSK	108	0	18.9	18.97	18.76	20	0	
40	PI/2 BPSK	108	54	18.88	18.91	18.71	20	0	
40	PI/2 BPSK	108	108	18.94	18.9	18.84	20	0	
40	PI/2 BPSK	216	0	18.97	19.02	18.76			
40	QPSK	1	1	19.02	19.08	18.91			
40	QPSK	1	108	18.9	18.95	18.82	20	0	
40	QPSK	1	214	18.82	19.02	18.71			
40	QPSK	108	0	18.97	18.96	18.81	20	0	
40	QPSK	108	54	18.82	19.01	19	20	0	
40	QPSK	108	108	18.88	18.92	18.72	20	0	
40	QPSK	216	0	18.82	18.96	18.86			
40	16QAM	1	1	18.93	18.96	18.81	20	0	
40	64QAM	1	1	18.9	18.94	18.8	20	0	
40	256QAM	1	1	18.65	18.95	18.77	19.5	0.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.48	18.5	18.46	20	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.53	18.57	18.49	20	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.46	18.5	18.35	20	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.48	18.53	18.43	20	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.58	18.63	18.46	20	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.46	18.57	18.39	20	0	



n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.87	19.98	19.91			
40	PI/2 BPSK	1	108	19.89	19.86	19.84	21.1	0	
40	PI/2 BPSK	1	214	19.83	19.93	19.86			
40	PI/2 BPSK	108	0	19.82	19.91	19.88	21.1	0	
40	PI/2 BPSK	108	54	19.94	19.94	19.81	21.1	0	
40	PI/2 BPSK	108	108	19.86	20.01	19.84	21.1	0	
40	PI/2 BPSK	216	0	19.97	19.98	19.88			
40	QPSK	1	1	20.02	20.05	20			
40	QPSK	1	108	19.83	19.85	19.96	21.1	0	
40	QPSK	1	214	19.86	19.93	19.86			
40	QPSK	108	0	19.9	19.9	19.9	21.1	0	
40	QPSK	108	54	19.94	19.97	19.91	21.1	0	
40	QPSK	108	108	19.89	19.9	19.84	21.1	0	
40	QPSK	216	0	19.9	19.91	19.89			
40	16QAM	1	1	19.83	19.86	19.92	21.1	0	
40	64QAM	1	1	19.92	19.91	19.88	21.1	0	
40	256QAM	1	1	19.91	19.91	19.91	19.5	1.6	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	21.1	0	
30	QPSK	1	1	19.47	19.56	19.49	21.1	0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	21.1	0	
25	QPSK	1	1	19.6	19.57	19.48	21.1	0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610	21.1	0	
20	QPSK	1	1	19.44	19.51	19.46	21.1	0	
Channel				516592	519000	522496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	21.1	0	
15	QPSK	1	1	19.57	19.48	19.44	21.1	0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	21.1	0	
10	QPSK	1	1	19.54	19.5	19.44	21.1	0	

n41 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.85	19.05	18.93			
100	PI/2 BPSK	1	137	18.72	19.06	18.95	20.2	0	
100	PI/2 BPSK	1	271	18.83	18.91	18.89			
100	PI/2 BPSK	135	0	18.74	18.93	18.92	20.2	0	
100	PI/2 BPSK	135	69	18.81	18.96	18.93	20.2	0	
100	PI/2 BPSK	135	138	18.86	18.96	18.94	20.2	0	
100	PI/2 BPSK	270	0	18.86	19.02	19			
100	QPSK	1	1	18.91	19.12	19.05			
100	QPSK	1	137	18.87	18.97	18.95	20.2	0	
100	QPSK	1	271	18.72	19.02	18.96			
100	QPSK	135	0	18.84	19.03	19	20.2	0	
100	QPSK	135	69	18.86	19.07	18.95	20.2	0	
100	QPSK	135	138	18.72	18.97	18.97	20.2	0	
100	QPSK	270	0	18.71	19.01	18.98			
100	16QAM	1	1	18.77	18.95	19	20.2	0	
100	64QAM	1	1	18.72	18.97	18.88	20.2	0	
100	256QAM	1	1	18.18	18.2	18.21	19.5	0.7	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	20.2	0	
90	QPSK	1	1	18.46	18.69	18.62	20.2	0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	20.2	0	
80	QPSK	1	1	18.41	18.62	18.54	20.2	0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	20.2	0	
70	QPSK	1	1	18.35	18.54	18.52	20.2	0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	20.2	0	
60	QPSK	1	1	18.48	18.64	18.49	20.2	0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	20.2	0	
50	QPSK	1	1	18.33	18.62	18.49	20.2	0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	20.2	0	
40	QPSK	1	1	18.47	18.56	18.57	20.2	0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	20.2	0	
30	QPSK	1	1	18.34	18.68	18.53	20.2	0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	20.2	0	
20	QPSK	1	1	18.41	18.58	18.57	20.2	0	
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	20.2	0	
15	QPSK	1	1	18.32	18.6	18.47	20.2	0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	20.2	0	
10	QPSK	1	1	18.5	18.68	18.5	20.2	0	



n38 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2590.02	2595	2599.98				
40	PI2 BPSK	1	1	23.02	23.11	23.04				
40	PI2 BPSK	1	108	22.5	22.6	22.28	24	0		
40	PI2 BPSK	1	214	21.89	21.89	21.81				
40	PI2 BPSK	108	0	22.16	22.34	22.21	23.5	0.5		
40	PI2 BPSK	108	54	22.53	22.53	22.43	24	0		
40	PI2 BPSK	108	108	22.15	22.23	22.07	23.5	0.5		
40	PI2 BPSK	216	0	22.07	22.19	22.09				
40	QPSK	1	1	22.92	23.12	23.01				
40	QPSK	1	108	22.74	22.77	22.58	24	0		
40	QPSK	1	214	22.09	22.03	22.11				
40	QPSK	108	0	21.68	21.89	21.77	23	1		
40	QPSK	108	54	22.40	22.54	22.49	24	0		
40	QPSK	108	108	21.11	22.50	21.01	23	1		
40	QPSK	216	0	21.44	21.95	21.52				
40	16QAM	1	1	21.88	21.98	21.85	23	1		
40	64QAM	1	1	20.61	20.63	20.84	21.5	2.5		
40	256QAM	1	1	19.24	19.29	19.16	13.6	4.5		
Channel										
Frequency (MHz)				2585.01	2595	2604.99				
30	QPSK	1	1	22.83	22.96	22.84	24	0		
Channel										
Frequency (MHz)				5160.04	516000	521496				
25	QPSK	1	1	22.79	23.11	22.92	24	0		
Channel										
Frequency (MHz)				516000	519000	520000				
20	QPSK	1	1	22.83	22.92	23.01	24	0		
Channel										
Frequency (MHz)				515002	519000	523488				
15	QPSK	1	1	2577.61	2595	2612.49				
Channel										
Frequency (MHz)				2575.02	2595	2614.98				
10	QPSK	1	1	22.72	23.01	22.97	24	0		

Par270 n77 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	PI2 BPSK	1	1	21.95	22.42	21.98				
100	PI2 BPSK	1	137	22.28	22.35	22.18	23.5	0		
100	PI2 BPSK	1	271	22.17	22.33	21.93				
100	PI2 BPSK	136	0	22.11	22.36	21.94	23.5	0		
100	PI2 BPSK	136	69	22.1	22.37	22.03	23.5	0		
100	PI2 BPSK	136	138	22.15	22.39	22.14	23.5	0		
100	PI2 BPSK	270	0	22.22	22.17	22.16				
100	QPSK	1	1	22.21	22.53	22.31				
100	QPSK	1	137	22.16	22.53	21.99	23.5	0		
100	QPSK	1	271	22.05	22.43	22.23				
100	QPSK	136	0	22.11	22.23	22.26	23	0.5		
100	QPSK	136	69	22.14	22.41	22.03	23.5	0		
100	QPSK	136	138	22.15	22.26	21.99	23	0.5		
100	QPSK	270	0	21.97	22.42	22.01				
100	16QAM	1	1	21.68	21.98	21.59	23	0.5		
100	64QAM	1	1	20.31	20.37	20.24	21.5	2		
100	256QAM	1	1	18.18	18.54	18.18	19.5	4		
Channel										
Frequency (MHz)				3745.02	3840	3935.01				
80	QPSK	1	1	22.07	22.44	22.31	23.5	0		
Channel										
Frequency (MHz)				648334	650000	662666				
80	QPSK	1	1	22.1	22.49	22.11	23.5	0		
Channel										
Frequency (MHz)				648000	650000	663000				
70	QPSK	1	1	22.2	22.47	22.10	23.5	0		
Channel										
Frequency (MHz)				648668	650000	663334				
60	QPSK	1	1	22.07	22.4	22.21	23.5	0		
Channel										
Frequency (MHz)				648334	650000	663000				
50	QPSK	1	1	22.19	22.41	22.14	23.5	0		
Channel										
Frequency (MHz)				648000	650000	664000				
40	QPSK	1	1	22.04	22.51	22.32	23.5	0		
Channel										
Frequency (MHz)				647668	650000	664334				
30	QPSK	1	1	22.02	22.38	22.29	23.5	0		
Channel										
Frequency (MHz)				648334	650000	664666				
20	QPSK	1	1	22.06	22.52	22.24	23.5	0		
Channel										
Frequency (MHz)				647168	650000	664834				
15	QPSK	1	1	22.02	22.43	22.16	23.5	0		
Channel										
Frequency (MHz)				647000	650000	665000				
10	QPSK	1	1	22.19	22.41	22.13	23.5	0		

Part270 n78 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750						
100	PI2 BPSK	1	1	21.97						
100	PI2 BPSK	1	137	22.28			23.5	0		
100	PI2 BPSK	1	271	22						
100	PI2 BPSK	136	0	21.98			23.5	0		
100	PI2 BPSK	136	69	21.76			23.5	0		
100	PI2 BPSK	136	138	21.82			23.5	0		
100	PI2 BPSK	270	0	21.63						
100	QPSK	1	1	22.16						
100	QPSK	1	137	21.86			23.5	0		
100	QPSK	1	271	22.05						
100	QPSK	136	0	21.78			23	0.5		
100	QPSK	136	69	21.91			23.5	0		
100	QPSK	136	138	21.78			23	0.5		
100	QPSK	270	0	22.04						
100	16QAM	1	1	21.58			23	0.5		
100	64QAM	1	1	20.05			21.5	2		
100	256QAM	1	1	18.11			19.5	4		
Channel										
Frequency (MHz)				648668	650000	663334				
80	QPSK	1	1	22.13	21.99	22.06	23.5	0		
Channel										
Frequency (MHz)				648334	650000	663668				
80	QPSK	1	1	22.07	22.06	22.17	23.5	0		
Channel										
Frequency (MHz)				648000	650000	664000				
70	QPSK	1	1	21.96	22.01	21.94	23.5	0		
Channel										
Frequency (MHz)				648668	650000	663334				
60	QPSK	1	1	22	21.97	22.02	23.5	0		
Channel										
Frequency (MHz)				648334	650000	663000				
50	QPSK	1	1	22.17	21.97	22.04	23.5	0		
Channel										
Frequency (MHz)				648000	650000	664000				
40	QPSK	1	1	22.06	21.97	22.1	23.5	0		
Channel										
Frequency (MHz)				647668	650000	664334				
30	QPSK	1	1	22.02	21.99	22.06	23.5	0		
Channel										
Frequency (MHz)				648334	650000	664666				
20	QPSK	1	1	22.11	22.13	22.07	23.5	0		
Channel										
Frequency (MHz)				647168	650000	664834				
15	QPSK	1	1	21.95	21.95	21.95	23.5	0		
Channel										
Frequency (MHz)				647000	650000	665000				
10	QPSK	1	1	22.05	22.11	22.1	23.5	0		



Par270 n77 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.03	17.18	17.11	18.2	0	
100	PI/2 BPSK	1	137	17.09	17.15	17.11			
100	PI/2 BPSK	1	271	17.02	17.28	17.08			
100	PI/2 BPSK	135	0	17.14	17.24	17.15	18.2	0	
100	PI/2 BPSK	135	69	17.05	17.21	17.09	18.2	0	
100	PI/2 BPSK	135	138	17.04	17.27	17.16	18.2	0	
100	PI/2 BPSK	270	0	17.1	17.23	17.08			
100	QPSK	1	1	17.19	17.35	17.29	18.2	0	
100	QPSK	1	137	17.05	17.29	17.24			
100	QPSK	1	271	16.99	17.28	17.23			
100	QPSK	135	0	17.09	17.17	17.08	18.2	0	
100	QPSK	135	69	17.1	17.25	17.15	18.2	0	
100	QPSK	135	138	17	17.23	17.2	18.2	0	
100	QPSK	270	0	17.09	17.3	17.11			
100	16QAM	1	1	17.15	17.27	17.14	18.2	0	
100	64QAM	1	1	17.03	17.27	17.18	18.2	0	
100	256QAM	1	1	17.12	17.3	17.13	18.2	0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.68	16.91	16.81	18.2	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	16.68	16.84	16.78	18.2	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	16.74	16.76	16.77	18.2	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.68	16.78	16.87	18.2	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.63	16.86	16.76	18.2	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.66	16.82	16.73	18.2	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	16.69	16.81	16.77	18.2	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.67	16.78	16.83	18.2	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	16.78	16.93	16.81	18.2	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.66	16.86	16.76	18.2	0	

Part270 n78 PC2&PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	17.03			18.2	0	
100	PI/2 BPSK	1	137	17.06					
100	PI/2 BPSK	1	271	16.97					
100	PI/2 BPSK	135	0	17.08			18.2	0	
100	PI/2 BPSK	135	69	17.08			18.2	0	
100	PI/2 BPSK	135	138	17.03			18.2	0	
100	PI/2 BPSK	270	0	17.1					
100	QPSK	1	1	17.18			18.2	0	
100	QPSK	1	137	17.04					
100	QPSK	1	271	17.14					
100	QPSK	135	0	17.1			18.2	0	
100	QPSK	135	69	17.11			18.2	0	
100	QPSK	135	138	17.05			18.2	0	
100	QPSK	270	0	17.01					
100	16QAM	1	1	17.09			18.2	0	
100	64QAM	1	1	17.04			18.2	0	
100	256QAM	1	1	17.01			18.2	0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.77	16.93	16.72	18.2	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.69	16.92	16.74	18.2	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3750	3765			
70	QPSK	1	1	16.85	16.93	16.73	18.2	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.62	16.78	16.8	18.2	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.67	16.91	16.83	18.2	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.74	16.78	16.86	18.2	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.68	16.76	16.72	18.2	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.74	16.91	16.87	18.2	0	
Channel				647168	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	16.75	16.82	16.79	18.2	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	16.7	16.88	16.86	18.2	0	



n38 Ant 6								
BW [MHz]	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	Pi/2 BPSK	1	1	18.33	18.71	18.7		
40	Pi/2 BPSK	1	108	18.42	18.6	18.74	20	0
40	Pi/2 BPSK	1	214	18.36	18.59	18.78		
40	Pi/2 BPSK	108	0	18.54	18.53	18.67	20	0
40	Pi/2 BPSK	108	54	18.32	18.56	18.7	20	0
40	Pi/2 BPSK	108	108	18.47	18.67	18.63	20	0
40	Pi/2 BPSK	216	0	18.37	18.67	18.65		
40	QPSK	1	1	18.54	18.92	18.83		
40	QPSK	1	108	18.5	18.75	18.73	20	0
40	QPSK	1	214	18.34	18.6	18.79		
40	QPSK	108	0	18.41	18.64	18.79	20	0
40	QPSK	108	54	18.43	18.91	18.67	20	0
40	QPSK	108	108	18.56	18.81	18.83	20	0
40	QPSK	216	0	18.51	18.76	18.74	20	0
40	16QAM	1	1	18.54	18.76	18.66	20	0
40	64QAM	1	1	18.45	18.74	18.69	20	0
40	256QAM	1	1	18.43	18.56	18.36	19.5	0.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.53	18.7	18.63	20	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.38	18.58	18.74	20	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.48	18.71	18.72	20	0
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.49	18.73	18.82	20	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.35	18.72	18.68	20	0



Par270 n77 Ant 7									
BW [MHz]	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)									
3750 3840 3930									
100	PI/2 BPSK	1	1	18.84	18.77	18.6	20.1	0	
100	PI/2 BPSK	1	137	18.85	18.88	18.63			
100	PI/2 BPSK	1	271	18.81	18.64	18.79			
100	PI/2 BPSK	135	0	18.45	18.28	18.58	20.1	0	
100	PI/2 BPSK	135	69	18.61	18.83	18.66	20.1	0	
100	PI/2 BPSK	135	138	18.43	18.34	18.27	20.1	0	
100	PI/2 BPSK	270	0	18.31	18.43	18.38			
100	QPSK	1	1	18.85	18.97	18.81			
100	QPSK	1	137	18.88	18.82	18.81	20.1	0	
100	QPSK	1	271	18.86	18.86	18.81			
100	QPSK	135	0	18.81	18.9	18.69			
100	QPSK	135	69	18.93	18.95	18.7	20.1	0	
100	QPSK	135	138	18.82	18.88	18.63	20.1	0	
100	QPSK	270	0	18.86	18.88	18.83			
100	16QAM	1	1	18.77	18.68	18.75			20.1
100	64QAM	1	1	18.67	18.6	18.81	20.1	0	
100	256QAM	1	1	18.69	18.89	18.81	19.5	0.6	
Channel									
Frequency (MHz)									
649668 650000 662334									
3745.02 3840 3935.01									
90	QPSK	1	1	18.75	18.91	18.67	20.1	0	
Channel									
Frequency (MHz)									
649334 650000 662668									
3740.01 3840 3940.02									
80	QPSK	1	1	18.68	18.95	18.61	20.1	0	
Channel									
Frequency (MHz)									
649000 650000 663000									
3735 3840 3945									
70	QPSK	1	1	18.68	18.75	18.78	20.1	0	
Channel									
Frequency (MHz)									
648668 650000 663334									
3730.02 3840 3950.01									
60	QPSK	1	1	18.68	18.88	18.72	20.1	0	
Channel									
Frequency (MHz)									
648334 650000 663668									
3725.01 3840 3955.02									
50	QPSK	1	1	18.67	18.86	18.63	20.1	0	
Channel									
Frequency (MHz)									
648000 650000 664000									
3720 3840 3960									
40	QPSK	1	1	18.71	18.96	18.82	20.1	0	
Channel									
Frequency (MHz)									
647668 650000 664334									
3715.02 3840 3965.01									
30	QPSK	1	1	18.76	18.96	18.78	20.1	0	
Channel									
Frequency (MHz)									
647334 650000 664668									
3710.01 3840 3970.02									
20	QPSK	1	1	18.65	18.88	18.73	20.1	0	
Channel									
Frequency (MHz)									
647168 650000 664834									
3707.52 3840 3972.51									
15	QPSK	1	1	18.79	18.84	18.74	20.1	0	
Channel									
Frequency (MHz)									
647000 650000 665000									
3705 3840 3975									
10	QPSK	1	1	18.83	18.83	18.67	20.1	0	

Part270 n78 Ant 7									
BW [MHz]	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)									
3750									
100	PI/2 BPSK	1	1		18.58		20.1	0	
100	PI/2 BPSK	1	137		18.4				
100	PI/2 BPSK	1	271		18.2				
100	PI/2 BPSK	135	0		17.96		20.1	0	
100	PI/2 BPSK	135	69		18.54		20.1	0	
100	PI/2 BPSK	135	138		18.02		20.1	0	
100	PI/2 BPSK	270	0		18.11				
100	QPSK	1	1		18.67				
100	QPSK	1	137		18.59		20.1	0	
100	QPSK	1	271		18.3				
100	QPSK	135	0		18.5				
100	QPSK	135	69		18.54		20.1	0	
100	QPSK	135	138		18.49		20.1	0	
100	QPSK	270	0		18.43				
100	16QAM	1	1		18.44				
100	64QAM	1	1		18.38		20.1	0	
100	256QAM	1	1		18.4		19.5	0.6	
Channel									
Frequency (MHz)									
649668 650000 650334									
3745.02 3750 3755.01									
90	QPSK	1	1	18.47	18.62	18.68	20.1	0	
Channel									
Frequency (MHz)									
649334 650000 650668									
3740.01 3760 3760.02									
80	QPSK	1	1	18.63	18.63	18.57	20.1	0	
Channel									
Frequency (MHz)									
649000 650000 651000									
3735 3760 3765									
70	QPSK	1	1	18.57	18.62	18.53	20.1	0	
Channel									
Frequency (MHz)									
648668 650000 651334									
3730.02 3760 3770.01									
60	QPSK	1	1	18.45	18.63	18.59	20.1	0	
Channel									
Frequency (MHz)									
648334 650000 651668									
3725.01 3760 3775.02									
50	QPSK	1	1	18.58	18.46	18.45	20.1	0	
Channel									
Frequency (MHz)									
648000 650000 652000									
3720 3760 3780									
40	QPSK	1	1	18.46	18.53	18.6	20.1	0	
Channel									
Frequency (MHz)									
647668 650000 652334									
3715.02 3760 3785.01									
30	QPSK	1	1	18.51	18.61	18.58	20.1	0	
Channel									
Frequency (MHz)									
647334 650000 652668									
3710.01 3760 3790.02									
20	QPSK	1	1	18.52	18.61	18.62	20.1	0	
Channel									
Frequency (MHz)									
647168 650000 652834									
3707.52 3760 3792.51									
15	QPSK	1	1	18.59	18.64	18.48	20.1	0	
Channel									
Frequency (MHz)									
647000 650000 653000									
3705 3760 3795									
10	QPSK	1	1	18.52	18.65	18.56	20.1	0	





Par270 n77 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.24	22.32	21.9			
100	PI/2 BPSK	1	137	22.13	22.4	21.95	23	0	
100	PI/2 BPSK	1	271	22.13	22.3	21.73			
100	PI/2 BPSK	135	0	22.25	22.29	21.84	22.5	0.5	
100	PI/2 BPSK	135	69	22.06	22.26	21.85	23	0	
100	PI/2 BPSK	135	138	22.36	22.39	21.96	22.5	0.5	
100	PI/2 BPSK	270	0	22.11	22.45	21.77			
100	QPSK	1	1	22.33	22.46	22.12			
100	QPSK	1	137	22.29	22.41	21.96	23	0	
100	QPSK	1	271	22.19	22.44	21.82			
100	QPSK	135	0	21.16	21.31	20.98	22	1	
100	QPSK	135	69	22.37	22.39	21.82	23	0	
100	QPSK	135	138	21.09	21.29	20.77	22	1	
100	QPSK	270	0	21.04	21.41	20.98			
100	16QAM	1	1	21.1	21.34	20.97	22	1	
100	64QAM	1	1	19.76	19.93	19.38	20.5	2.5	
100	256QAM	1	1	17.55	17.83	17.46	18.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.56	21.62	21.36	23	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.55	21.66	21.37	23	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3910	3915			
70	QPSK	1	1	21.49	21.61	21.33	23	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.51	21.63	21.3	23	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.52	21.64	21.27	23	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.57	21.68	21.35	23	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.5	21.66	21.28	23	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.51	21.63	21.36	23	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.56	21.64	21.31	23	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.54	21.68	21.29	23	0	

Part270 n78 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.86				
100	PI/2 BPSK	1	137		21.77		23	0	
100	PI/2 BPSK	1	271		21.88				
100	PI/2 BPSK	135	0		21.93		22.5	0.5	
100	PI/2 BPSK	135	69		22.09		23	0	
100	PI/2 BPSK	135	138		21.93		22.5	0.5	
100	PI/2 BPSK	270	0		21.89				
100	QPSK	1	1		22.11				
100	QPSK	1	137		22.03		23	0	
100	QPSK	1	271		21.75				
100	QPSK	135	0		21.23		22	1	
100	QPSK	135	69		22.04		23	0	
100	QPSK	135	138		21.11		22	1	
100	QPSK	270	0		21.02				
100	16QAM	1	1		21.1		22	1	
100	64QAM	1	1		19.63		20.5	2.5	
100	256QAM	1	1		17.61		18.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.51	21.67	21.37	23	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3760	3760.02			
80	QPSK	1	1	21.49	21.66	21.28	23	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3760	3765			
70	QPSK	1	1	21.52	21.62	21.36	23	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3760	3770.01			
60	QPSK	1	1	21.55	21.66	21.33	23	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3760	3775.02			
50	QPSK	1	1	21.55	21.61	21.35	23	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3760	3780			
40	QPSK	1	1	21.49	21.63	21.35	23	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3760	3785.01			
30	QPSK	1	1	21.56	21.67	21.35	23	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3760	3790.02			
20	QPSK	1	1	21.49	21.67	21.3	23	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3760	3792.51			
15	QPSK	1	1	21.53	21.68	21.36	23	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3760	3795			
10	QPSK	1	1	21.53	21.63	21.33	23	0	



### Reduced Power Mode for Main PA EC17

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	377000			
Frequency (MHz)				1875	1880	1885			
50	PI/2 BPSK	1	1	16.6	16.71	16.74			
50	PI/2 BPSK	1	135	16.69	16.69	16.65	18.1	0	
50	PI/2 BPSK	1	268	16.69	16.75	16.74			
50	PI/2 BPSK	135	0	16.58	16.77	16.77	18.1	0	
50	PI/2 BPSK	135	68	16.65	16.84	16.63	18.1	0	
50	PI/2 BPSK	135	135	16.75	16.74	16.74	18.1	0	
50	PI/2 BPSK	270	0	16.59	16.67	16.74			
50	QPSK	1	1	16.79	16.88	16.83			
50	QPSK	1	135	16.67	16.83	16.69	18.1	0	
50	QPSK	1	268	16.67	16.83	16.64			
50	QPSK	135	0	16.63	16.71	16.73	18.1	0	
50	QPSK	135	68	16.65	16.81	16.77	18.1	0	
50	QPSK	135	135	16.74	16.8	16.79			
50	QPSK	270	0	16.71	16.79	16.78	18.1	0	
50	16QAM	1	1	16.7	16.75	16.66	18.1	0	
50	64QAM	1	1	16.6	16.82	16.73	18.1	0	
50	256QAM	1	1	16.61	16.84	16.74	18.1	0	
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	16.11	16.29	16.21	18.1	0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	16.27	16.32	16.33	18.1	0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	16.22	16.29	16.34	18.1	0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	16.25	16.43	16.38	18.1	0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.31	16.43	16.35	18.1	0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.26	16.46	16.4	18.1	0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	16.26	16.41	16.35	18.1	0	

n5 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1			22.71			
25	PI/2 BPSK	1	64			22.85	24	0	
25	PI/2 BPSK	1	131			23.02			
25	PI/2 BPSK	64	0			22.32	23.5	0.5	
25	PI/2 BPSK	64	33			22.9	24	0	
25	PI/2 BPSK	64	65			22.26			
25	PI/2 BPSK	128	0			22.47	23.5	0.5	
25	QPSK	1	1			23.08			
25	QPSK	1	64			22.94	24	0	
25	QPSK	1	131			22.92			
25	QPSK	64	0			21.96	23	1	
25	QPSK	64	33			23.03	24	0	
25	QPSK	64	65			21.71			
25	QPSK	128	0			21.96	23	1	
25	16QAM	1	1			21.48	23	1	
25	64QAM	1	1			20.06	21.5	2.5	
25	256QAM	1	1			18.53	19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.93	23.01	22.96	24	0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.77	23.04	22.84	24	0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.78	23.04	22.79	24	0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.84	22.95	22.87	24	0	



n7 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	14.71	14.79	14.58			
50	PI/2 BPSK	1	135	14.67	14.66	14.55			
50	PI/2 BPSK	1	268	14.59	14.64	14.7	15.9	0	
50	PI/2 BPSK	135	0	14.55	14.75	14.56	15.9	0	
50	PI/2 BPSK	135	68	14.55	14.66	14.61	15.9	0	
50	PI/2 BPSK	135	135	14.6	14.73	14.69	15.9	0	
50	PI/2 BPSK	270	0	14.66	14.66	14.68			
50	QPSK	1	1	14.74	14.83	14.76			
50	QPSK	1	135	14.61	14.72	14.65	15.9	0	
50	QPSK	1	268	14.55	14.71	14.65			
50	QPSK	135	0	14.6	14.73	14.56	15.9	0	
50	QPSK	135	68	14.54	14.76	14.71	15.9	0	
50	QPSK	135	135	14.66	14.72	14.7			
50	QPSK	270	0	14.61	14.67	14.61	15.9	0	
50	16QAM	1	1	14.64	14.63	14.64	15.9	0	
50	64QAM	1	1	14.62	14.71	14.72	15.9	0	
50	256QAM	1	1	14.67	14.64	14.64	15.9	0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	14.22	14.27	14.28	15.9	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	14.23	14.31	14.34	15.9	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	14.29	14.31	14.29	15.9	0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	14.3	14.34	14.3	15.9	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	14.25	14.29	14.26	15.9	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	14.23	14.41	14.22	15.9	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	14.18	14.34	14.35	15.9	0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	16.43	16.55	16.35			
40	PI/2 BPSK	1	108	16.42	16.58	16.34	17.8	0	
40	PI/2 BPSK	1	214	16.34	16.5	16.35			
40	PI/2 BPSK	108	0	16.39	16.47	16.45	17.8	0	
40	PI/2 BPSK	108	54	16.44	16.48	16.4	17.8	0	
40	PI/2 BPSK	108	108	16.48	16.47	16.33	17.8	0	
40	PI/2 BPSK	216	0	16.33	16.55	16.44			
40	QPSK	1	1	16.52	16.65	16.49			
40	QPSK	1	108	16.42	16.49	16.42	17.8	0	
40	QPSK	1	214	16.41	16.45	16.4			
40	QPSK	108	0	16.49	16.55	16.38	17.8	0	
40	QPSK	108	54	16.33	16.58	16.45	17.8	0	
40	QPSK	108	108	16.38	16.52	16.32	17.8	0	
40	QPSK	216	0	16.31	16.52	16.28	17.8	0	
40	16QAM	1	1	16.34	16.46	16.33	17.8	0	
40	64QAM	1	1	16.32	16.51	16.34	17.8	0	
40	256QAM	1	1	16.35	16.48	16.39	17.8	0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	16.04	16.08	15.94	17.8	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	16.06	16.17	15.94	17.8	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	16.01	16.19	16.01	17.8	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.04	16.19	15.92	17.8	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.09	16.14	16	17.8	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.02	16.18	15.92	17.8	0	



n38 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.05	16.09	16.02	17.4	0	
40	PI/2 BPSK	1	108	16.11	16.13	15.96			
40	PI/2 BPSK	1	214	16.11	16.02	15.96			
40	PI/2 BPSK	108	0	15.98	16.09	15.89			
40	PI/2 BPSK	108	54	15.99	16.07	15.94	17.4	0	
40	PI/2 BPSK	108	108	15.98	16.16	16.03	17.4	0	
40	PI/2 BPSK	216	0	16.04	16	16.02			
40	QPSK	1	1	16.15	16.19	16.08	17.4	0	
40	QPSK	1	108	16.03	15.99	15.95			
40	QPSK	1	214	16.01	16.02	15.9	17.4	0	
40	QPSK	108	0	16.04	16.1	16.02			
40	QPSK	108	54	16.02	16.16	15.96	17.4	0	
40	QPSK	108	108	16.04	16.04	15.92	17.4	0	
40	QPSK	216	0	15.93	16	15.96			
40	16QAM	1	1	16.05	16.11	15.97	17.4	0	
40	64QAM	1	1	16.04	16.03	15.93	17.4	0	
40	256QAM	1	1	16.01	16.02	15.96	17.4	0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	17.4	0	
30	QPSK	1	1	16	16.17	19.03	17.4	0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	17.4	0	
25	QPSK	1	1	16.12	16.11	18.98	17.4	0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	17.4	0	
20	QPSK	1	1	16.03	16.08	19.92	17.4	0	
Channel				516592	519000	522496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	17.4	0	
15	QPSK	1	1	16.06	16.11	18.94	17.4	0	
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	17.4	0	
10	QPSK	1	1	16.05	16.18	19.03	17.4	0	

n41 Ant 0									
BW [MHz]	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	PI/2 BPSK	1	1	16.74	16.8	16.81	18	0	
100	PI/2 BPSK	1	137	16.71	16.81	16.75			
100	PI/2 BPSK	1	271	16.66	16.91	16.8			
100	PI/2 BPSK	135	0	16.77	16.88	16.87			
100	PI/2 BPSK	135	69	16.64	16.91	16.77	18	0	
100	PI/2 BPSK	135	138	16.71	16.78	16.91	18	0	
100	PI/2 BPSK	270	0	16.62	16.9	16.75			
100	QPSK	1	1	16.82	16.98	16.94	18	0	
100	QPSK	1	137	16.62	16.81	16.89			
100	QPSK	1	271	16.71	16.79	16.83	18	0	
100	QPSK	135	0	16.76	16.74	16.78			
100	QPSK	135	69	16.78	16.81	16.73	18	0	
100	QPSK	135	138	16.69	16.74	16.78	18	0	
100	QPSK	270	0	16.71	16.73	16.68			
100	16QAM	1	1	16.75	16.82	16.9	18	0	
100	64QAM	1	1	16.73	16.91	16.87	18	0	
100	256QAM	1	1	16.67	16.8	16.74	18	0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	18	0	
90	QPSK	1	1	16.26	16.48	16.39	18	0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	18	0	
80	QPSK	1	1	16.31	16.55	16.41	18	0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	18	0	
70	QPSK	1	1	16.4	16.54	16.46	18	0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	18	0	
60	QPSK	1	1	16.39	16.45	16.52	18	0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	18	0	
50	QPSK	1	1	16.27	16.46	16.48	18	0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	18	0	
40	QPSK	1	1	16.33	16.48	16.49	18	0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	18	0	
30	QPSK	1	1	16.36	16.56	16.49	18	0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	18	0	
20	QPSK	1	1	16.4	16.46	16.44	18	0	
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	18	0	
15	QPSK	1	1	16.35	16.45	16.41	18	0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	18	0	
10	QPSK	1	1	16.33	16.5	16.51	18	0	



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	377000			
Frequency (MHz)				1875	1880	1885			
50	PI/2 BPSK	1	1	14.47	14.58	14.42			
50	PI/2 BPSK	1	135	14.49	14.56	14.52	16	0	
50	PI/2 BPSK	1	268	14.48	14.57	14.56			
50	PI/2 BPSK	135	0	14.44	14.45	14.43	16	0	
50	PI/2 BPSK	135	68	14.42	14.56	14.56	16	0	
50	PI/2 BPSK	135	135	14.41	14.5	14.47			
50	PI/2 BPSK	270	0	14.47	14.54	14.42	16	0	
50	QPSK	1	1	14.53	14.62	14.59			
50	QPSK	1	135	14.33	14.43	14.38	16	0	
50	QPSK	1	268	14.36	14.45	14.46			
50	QPSK	135	0	14.4	14.44	14.39	16	0	
50	QPSK	135	68	14.34	14.49	14.42	16	0	
50	QPSK	135	135	14.46	14.46	14.45			
50	QPSK	270	0	14.4	14.44	14.36	16	0	
50	16QAM	1	1	14.48	14.45	14.47	16	0	
50	64QAM	1	1	14.4	14.49	14.39	16	0	
50	256QAM	1	1	14.33	14.57	14.47	16	0	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	14.03	14.11	14.1	16	0	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	14.07	14.21	14.05	16	0	
Channel				372500	376000	378500			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	14.02	14.05	14.18	16	0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	13.96	14.11	14.03	16	0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	14.04	14.07	14.15	16	0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	13.98	14.06	14.03	16	0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	14.02	14.04	14.14	16	0	

n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						167300			
Frequency (MHz)						836.5			
25	PI/2 BPSK	1	1		20.45				
25	PI/2 BPSK	1	64		20.37		21.5	0	
25	PI/2 BPSK	1	131		20.41				
25	PI/2 BPSK	64	0		20.39		21.5	0	
25	PI/2 BPSK	64	33		20.54		21.5	0	
25	PI/2 BPSK	64	65		20.4				
25	PI/2 BPSK	128	0		20.35		21.5	0	
25	QPSK	1	1		20.57				
25	QPSK	1	64		20.55		21.5	0	
25	QPSK	1	131		20.53				
25	QPSK	64	0		20.34		21.5	0	
25	QPSK	64	33		20.45		21.5	0	
25	QPSK	64	65		20.29				
25	QPSK	128	0		20.47		21.5	0	
25	16QAM	1	1		20.45		21.5	0	
25	64QAM	1	1		19.73		21.5	0	
25	256QAM	1	1		18.37		19.5	2	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	20.5	20.54	20.51	21.5	0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.04	20.06	19.97	21.5	0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.08	20	20.04	21.5	0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	20.01	20.04	20	21.5	0	



n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	15.37	15.44	15.05			
50	PI/2 BPSK	1	135	15.35	15.37	15.21	16.6	0	
50	PI/2 BPSK	1	268	15.31	15.28	15.17			
50	PI/2 BPSK	135	0	15.28	15.43	15.17	16.6	0	
50	PI/2 BPSK	135	68	15.31	15.38	15.18	16.6	0	
50	PI/2 BPSK	135	135	15.22	15.37	15.08			
50	PI/2 BPSK	270	0	15.23	15.42	15.14	16.6	0	
50	QPSK	1	1	15.41	15.48	15.25			
50	QPSK	1	135	15.25	15.36	15.22	16.6	0	
50	QPSK	1	268	15.33	15.36	15.16			
50	QPSK	135	0	15.29	15.33	15.21	16.6	0	
50	QPSK	135	68	15.31	15.41	15.17	16.6	0	
50	QPSK	135	135	15.27	15.4	15.14			
50	QPSK	270	0	15.24	15.36	15.13	16.6	0	
50	16QAM	1	1	15.29	15.38	15.07	16.6	0	
50	64QAM	1	1	15.28	15.31	15.12	16.6	0	
50	256QAM	1	1	15.22	15.37	15.13	16.6	0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	14.86	15.07	14.74	16.6	0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	14.96	14.95	14.7	16.6	0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2533	2537.5			
25	QPSK	1	1	14.3	14.96	14.79	16.6	0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	14.91	15	14.71	16.6	0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	15	14.92	14.83	16.6	0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	14.94	14.95	14.77	16.6	0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	14.92	15.06	14.84	16.6	0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	13.37	13.43	13.42			
40	PI/2 BPSK	1	108	13.43	13.54	13.44	14.7	0	
40	PI/2 BPSK	1	214	13.42	13.46	13.45			
40	PI/2 BPSK	108	0	13.4	13.52	13.33	14.7	0	
40	PI/2 BPSK	108	54	13.5	13.38	13.48	14.7	0	
40	PI/2 BPSK	108	108	13.5	13.38	13.38			
40	PI/2 BPSK	216	0	13.5	13.38	13.34	14.7	0	
40	QPSK	1	1	13.56	13.58	13.52			
40	QPSK	1	108	13.45	13.5	13.36	14.7	0	
40	QPSK	1	214	13.38	13.5	13.39			
40	QPSK	108	0	13.38	13.46	13.49	14.7	0	
40	QPSK	108	54	13.5	13.51	13.39	14.7	0	
40	QPSK	108	108	13.5	13.45	13.33			
40	QPSK	216	0	13.38	13.48	13.42	14.7	0	
40	16QAM	1	1	13.4	13.47	13.34	14.7	0	
40	64QAM	1	1	13.38	13.52	13.33	14.7	0	
40	256QAM	1	1	13.44	13.42	13.42	14.7	0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	12.97	13.1	12.95	14.7	0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	13.01	13.14	13.01	14.7	0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	13.08	13.15	12.99	14.7	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	13.15	13.09	13.04	14.7	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	13.02	13.11	12.97	14.7	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	13.08	13.08	13.09	14.7	0	



n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	15.72	15.77	15.69	17.2	0
40	PI/2 BPSK	1	108	15.73	15.66	15.76		
40	PI/2 BPSK	1	214	15.66	15.75	15.75		
40	PI/2 BPSK	108	0	15.59	15.64	15.69	17.2	0
40	PI/2 BPSK	108	54	15.58	15.8	15.65	17.2	0
40	PI/2 BPSK	108	108	15.65	15.74	15.73	17.2	0
40	PI/2 BPSK	216	0	15.68	15.66	15.77		
40	QPSK	1	1	15.78	15.85	15.82		
40	QPSK	1	108	15.75	15.67	15.63	17.2	0
40	QPSK	1	214	15.68	15.68	15.79		
40	QPSK	108	0	15.65	15.76	15.62	17.2	0
40	QPSK	108	54	15.65	15.81	15.73	17.2	0
40	QPSK	108	108	15.72	15.75	15.79		
40	QPSK	216	0	15.57	15.78	15.69	17.2	0
40	16QAM	1	1	15.7	15.65	15.79	17.2	0
40	64QAM	1	1	15.66	15.73	15.66	17.2	0
40	256QAM	1	1	15.74	15.64	15.74	17.2	0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	15.28	15.28	15.27	17.2	0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	15.22	15.31	15.4	17.2	0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	15.26	15.33	15.29	17.2	0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	15.35	15.35	15.25	17.2	0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	15.27	15.33	15.34	17.2	0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.76	15.95	15.74		
100	PI/2 BPSK	1	137	15.73	15.89	15.83	16.9	0
100	PI/2 BPSK	1	271	15.7	15.82	15.85		
100	PI/2 BPSK	135	0	15.83	15.86	15.82	16.9	0
100	PI/2 BPSK	135	69	15.75	15.91	15.83	16.9	0
100	PI/2 BPSK	135	138	15.82	15.89	15.92	16.9	0
100	PI/2 BPSK	270	0	15.82	15.96	15.87		
100	QPSK	1	1	15.89	15.99	15.95		
100	QPSK	1	137	15.77	15.84	15.86	16.9	0
100	QPSK	1	271	15.8	15.87	15.83		
100	QPSK	135	0	15.83	15.8	15.77	16.9	0
100	QPSK	135	69	15.83	15.91	15.85	16.9	0
100	QPSK	135	138	15.8	15.9	15.76	16.9	0
100	QPSK	270	0	15.84	15.89	15.74		
100	16QAM	1	1	15.76	15.84	15.82	16.9	0
100	64QAM	1	1	15.68	15.79	15.75	16.9	0
100	256QAM	1	1	15.68	15.91	15.78	16.9	0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.44	15.54	15.45	16.9	0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.39	15.42	15.51	16.9	0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.46	15.52	15.49	16.9	0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.38	15.57	15.49	16.9	0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.41	15.56	15.45	16.9	0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.38	15.42	15.49	16.9	0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.36	15.51	15.4	16.9	0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.43	15.46	15.51	16.9	0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	15.31	15.46	15.45	16.9	0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.39	15.42	15.4	16.9	0



n38 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.02	23.11	23.04		
40	PI2 BPSK	1	108	22.5	22.6	22.58		0
40	PI2 BPSK	1	214	21.89	21.99	21.81		
40	PI2 BPSK	108	0	22.16	22.34	22.21	23.5	0
40	PI2 BPSK	108	54	22.53	22.53	22.43	23.5	0
40	PI2 BPSK	108	108	22.15	22.23	22.07	23.5	0
40	PI2 BPSK	216	0	22.07	22.19	22.09		
40	QPSK	1	1	22.92	23.12	23.01		
40	QPSK	1	108	22.74	22.77	22.59	23.5	0
40	QPSK	1	214	22.09	22.03	22.11		
40	QPSK	108	0	21.88	21.89	21.77	23	0.5
40	QPSK	108	54	22.40	22.54	22.49	23.5	0
40	QPSK	108	108	21.11	21.30	21.01	23	0.5
40	QPSK	216	0	21.44	21.59	21.52		
40	16QAM	1	1	21.88	21.96	21.85	23	0.5
40	16QAM	1	1	20.81	20.63	20.64	21.5	2
40	256QAM	1	1	19.24	19.29	19.15	19.5	4
Channel								
Frequency (MHz)				5170.01	5190.00	5209.99		
30	QPSK	1	1	22.83	22.96	22.84	23.5	0
Channel								
Frequency (MHz)				5165.04	5190.00	5214.98		
25	QPSK	1	1	22.79	23.12	22.82	23.5	0
Channel								
Frequency (MHz)				5150.00	5190.00	5220.00		
20	QPSK	1	1	22.83	22.92	23.01	23.5	0
Channel								
Frequency (MHz)				5150.02	5190.00	5229.98		
15	QPSK	1	1	22.8	23.07	22.89	23.5	0
Channel								
Frequency (MHz)				5150.04	5190.00	5239.98		
10	QPSK	1	1	22.72	23.01	22.97	23.5	0

Par270 n77 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.50	21.96	21.53		
100	PI2 BPSK	1	137	21.75	21.86	21.75		0
100	PI2 BPSK	1	271	21.81	22.00	21.39		
100	PI2 BPSK	135	0	21.54	22.01	21.47	23.2	0
100	PI2 BPSK	135	69	21.71	21.81	21.57	23.2	0
100	PI2 BPSK	135	138	21.54	21.74	21.58	23.2	0
100	PI2 BPSK	270	0	21.57	21.74	21.58		
100	QPSK	1	1	21.74	22.11	21.86		
100	QPSK	1	137	21.86	21.80	21.44	23.2	0
100	QPSK	1	271	21.52	21.95	21.60		
100	QPSK	135	0	21.52	21.72	21.73	23	0.2
100	QPSK	135	69	21.80	22.02	21.37	23.2	0
100	QPSK	135	138	21.87	21.81	21.82	23	0.2
100	QPSK	270	0	21.87	22.01	21.53		
100	16QAM	1	1	21.68	21.96	21.59	23	0.2
100	16QAM	1	1	20.31	20.37	20.24	21.5	1.7
100	256QAM	1	1	18.18	18.54	18.18	19.5	3.7
Channel								
Frequency (MHz)				6498.8	65000	65334		
90	QPSK	1	1	21.53	22.03	21.58	23.2	0
Channel								
Frequency (MHz)				6493.34	65000	66268		
80	QPSK	1	1	21.57	22	21.53	23.2	0
Channel								
Frequency (MHz)				6490.00	65000	66300		
70	QPSK	1	1	21.61	21.95	21.54	23.2	0
Channel								
Frequency (MHz)				6486.8	65000	66334		
60	QPSK	1	1	21.68	21.83	21.65	23.2	0
Channel								
Frequency (MHz)				6483.34	65000	66368		
50	QPSK	1	1	21.71	22.02	21.53	23.2	0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.61	21.98	21.58	23.2	0
Channel								
Frequency (MHz)				6476.8	65000	66434		
30	QPSK	1	1	21.62	21.86	21.49	23.2	0
Channel								
Frequency (MHz)				6473.34	65000	66468		
20	QPSK	1	1	21.54	21.98	21.64	23.2	0
Channel								
Frequency (MHz)				6471.8	65000	66484		
15	QPSK	1	1	21.53	21.99	21.67	23.2	0
Channel								
Frequency (MHz)				6470.00	65000	66500		
10	QPSK	1	1	21.7	21.87	21.46	23.2	0

Part270 n78 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		21.37			
100	PI2 BPSK	1	137		21.54			0
100	PI2 BPSK	1	271		21.43			
100	PI2 BPSK	135	0		21.42		23.2	0
100	PI2 BPSK	135	69		21.35		23.2	0
100	PI2 BPSK	135	138		21.29		23.2	0
100	PI2 BPSK	270	0		21.22			
100	QPSK	1	1		21.74			
100	QPSK	1	137		21.28		23.2	0
100	QPSK	1	271		21.84			
100	QPSK	135	0		21.30		23	0.2
100	QPSK	135	69		21.42		23.2	0
100	QPSK	135	138		21.39		23	0.2
100	QPSK	270	0		21.50			
100	16QAM	1	1		21.58		23	0.2
100	16QAM	1	1		20.95		21.6	1.7
100	256QAM	1	1		18.11		19.5	3.7
Channel								
Frequency (MHz)				6498.8	65000	66334		
90	QPSK	1	1	21.83	21.64	21.53	23.2	0
Channel								
Frequency (MHz)				6493.34	65000	66968		
80	QPSK	1	1	21.7	21.71	21.54	23.2	0
Channel								
Frequency (MHz)				6490.00	65000	66100		
70	QPSK	1	1	21.61	21.81	21.57	23.2	0
Channel								
Frequency (MHz)				6486.8	65000	66134		
60	QPSK	1	1	21.69	21.7	21.54	23.2	0
Channel								
Frequency (MHz)				6483.34	65000	66168		
50	QPSK	1	1	21.53	21.7	21.71	23.2	0
Channel								
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.65	21.68	21.72	23.2	0
Channel								
Frequency (MHz)				6476.8	65000	66234		
30	QPSK	1	1	21.61	21.7	21.61	23.2	0
Channel								
Frequency (MHz)				6473.34	65000	66268		
20	QPSK	1	1	21.62	21.58	21.6	23.2	0
Channel								
Frequency (MHz)				6471.8	65000	66284		
15	QPSK	1	1	21.73	21.71	21.7	23.2	0
Channel								
Frequency (MHz)				6470.00	65000	66300		
10	QPSK	1	1	21.52	21.58	21.6	23.2	0





### Par270 n77 PC2&PC3 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.4	12.53	12.48	13.8	0
100	PI/2 BPSK	1	137	12.43	12.53	12.41		
100	PI/2 BPSK	1	271	12.39	12.6	12.49		
100	PI/2 BPSK	135	0	12.45	12.45	12.41	13.8	0
100	PI/2 BPSK	135	69	12.36	12.6	12.47	13.8	0
100	PI/2 BPSK	135	138	12.36	12.6	12.44	13.8	0
100	PI/2 BPSK	270	0	12.41	12.47	12.58		
100	QPSK	1	1	12.52	12.66	12.61	13.8	0
100	QPSK	1	137	12.37	12.6	12.56		
100	QPSK	1	271	12.32	12.5	12.42		
100	QPSK	135	0	12.49	12.62	12.57	13.8	0
100	QPSK	135	69	12.37	12.62	12.43	13.8	0
100	QPSK	135	138	12.39	12.5	12.43	13.8	0
100	QPSK	270	0	12.39	12.61	12.49		
100	16QAM	1	1	12.4	12.51	12.49	13.8	0
100	64QAM	1	1	12.35	12.48	12.53	13.8	0
100	256QAM	1	1	12.32	12.57	12.45	13.8	0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	11.99	12.23	12.04	13.8	0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.06	12.07	12.08	13.8	0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	11.97	12.17	12.12	13.8	0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.99	12.19	12.04	13.8	0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12	12.22	12.07	13.8	0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.01	12.25	12.14	13.8	0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.07	12.12	12.19	13.8	0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.01	12.25	12.17	13.8	0
Channel				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.08	12.23	12.05	13.8	0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.06	12.15	12.07	13.8	0

### Part270 n78 PC2&PC3 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.41		13.8	0
100	PI/2 BPSK	1	137		12.42			
100	PI/2 BPSK	1	271		12.49			
100	PI/2 BPSK	135	0		12.55		13.8	0
100	PI/2 BPSK	135	69		12.49		13.8	0
100	PI/2 BPSK	135	138		12.44		13.8	0
100	PI/2 BPSK	270	0		12.55			
100	QPSK	1	1		12.61		13.8	0
100	QPSK	1	137		12.45			
100	QPSK	1	271		12.46			
100	QPSK	135	0		12.44		13.8	0
100	QPSK	135	69		12.46		13.8	0
100	QPSK	135	138		12.44		13.8	0
100	QPSK	270	0		12.41			
100	16QAM	1	1		12.4		13.8	0
100	64QAM	1	1		12.57		13.8	0
100	256QAM	1	1		12.55		13.8	0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	11.95	12.15	12.15	13.8	0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	11.99	12.2	12.17	13.8	0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.06	12.24	12.17	13.8	0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.1	12.24	12.02	13.8	0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.02	12.17	12.17	13.8	0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.07	12.13	12.06	13.8	0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.08	12.18	12.16	13.8	0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.08	12.21	12.09	13.8	0
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.09	12.08	12.19	13.8	0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.02	12.11	12.12	13.8	0



n38 Ant 6								
BW [MHz]	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	Pi/2 BPSK	1	1	14.09	14.30	14.14		
40	Pi/2 BPSK	1	108	14.20	14.11	14.20	15.5	0
40	Pi/2 BPSK	1	214	14.04	14.29	14.18		
40	Pi/2 BPSK	108	0	14.07	14.29	14.28	15.5	0
40	Pi/2 BPSK	108	54	14.04	14.13	14.11	15.5	0
40	Pi/2 BPSK	108	108	14.09	14.28	14.09		
40	Pi/2 BPSK	216	0	14.01	14.11	14.23	15.5	0
40	QPSK	1	1	14.20	14.31	14.28		
40	QPSK	1	108	14.17	14.17	14.18	15.5	0
40	QPSK	1	214	14.19	14.21	14.19		
40	QPSK	108	0	14.16	14.14	14.12	15.5	0
40	QPSK	108	54	14.01	14.28	14.20	15.5	0
40	QPSK	108	108	14.13	14.15	14.13		
40	QPSK	216	0	14.04	14.22	14.19	15.5	0
40	16QAM	1	1	14.02	14.19	14.26	15.5	0
40	64QAM	1	1	14.06	14.09	14.24	15.5	0
40	256QAM	1	1	14.00	14.24	14.19	15.5	0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	14.19	14.28	14.08	15.5	0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	14.05	14.10	14.18	15.5	0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	14.01	14.13	14.12	15.5	0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	14.05	14.29	14.26	15.5	0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	14.06	14.19	14.23	15.5	0



Par270 n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	13.74	13.85	13.73			
100	PI/2 BPSK	1	137	13.75	13.73	13.74	15	0	
100	PI/2 BPSK	1	271	13.65	13.76	13.76			
100	PI/2 BPSK	135	0	13.44	13.51	13.55	15	0	
100	PI/2 BPSK	135	69	13.77	13.75	13.73	15	0	
100	PI/2 BPSK	135	138	13.48	13.4	13.42			
100	PI/2 BPSK	270	0	13.33	13.45	13.48	15	0	
100	QPSK	1	1	13.99	14.07	13.78			
100	QPSK	1	137	13.89	13.85	13.71	15	0	
100	QPSK	1	271	13.88	13.8	13.83			
100	QPSK	135	0	13.83	13.9	13.89	15	0	
100	QPSK	135	69	13.91	14.03	13.79	15	0	
100	QPSK	135	138	13.73	13.75	13.74			
100	QPSK	270	0	13.71	13.98	13.82	15	0	
100	16QAM	1	1	13.71	13.78	13.8	15	0	
100	64QAM	1	1	13.58	13.74	13.79	15	0	
100	256QAM	1	1	13.87	13.86	13.62	15	0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.89	13.93	13.62	15	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	13.92	13.87	13.65	15	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	13.85	13.92	13.62	15	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.9	13.84	13.61	15	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.95	13.96	13.62	15	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	13.8	14.01	13.63	15	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	13.93	13.87	13.57	15	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.99	13.86	13.69	15	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	13.77	13.95	13.62	15	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	13.82	13.84	13.62	15	0	

Part270 n78 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000				
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		13.49				
100	PI/2 BPSK	1	137		13.44		15	0	
100	PI/2 BPSK	1	271		13.22				
100	PI/2 BPSK	135	0		13.03		15	0	
100	PI/2 BPSK	135	69		13.41		15	0	
100	PI/2 BPSK	135	138		12.99				
100	PI/2 BPSK	270	0		13.12		15	0	
100	QPSK	1	1		13.71				
100	QPSK	1	137		13.51		15	0	
100	QPSK	1	271		13.44				
100	QPSK	135	0		13.28		15	0	
100	QPSK	135	69		13.64		15	0	
100	QPSK	135	138		13.37				
100	QPSK	270	0		13.42		15	0	
100	16QAM	1	1		13.24		15	0	
100	64QAM	1	1		13.37		15	0	
100	256QAM	1	1		13.33		15	0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	13.39	13.33	13.31	15	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	13.19	13.37	13.23	15	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	13.18	13.21	13.27	15	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	13.37	13.31	13.34	15	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	13.32	13.33	13.36	15	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.31	13.3	13.34	15	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	13.18	13.35	13.18	15	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	13.32	13.35	13.27	15	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	13.31	13.2	13.29	15	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	13.2	13.22	13.38	15	0	



Par270 n77 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.36	17.32	16.87	18.5	0	
100	PI/2 BPSK	1	137	17.29	17.48	16.83			
100	PI/2 BPSK	1	271	17.22	17.24	16.86			
100	PI/2 BPSK	135	0	17.2	17.21	16.81	18.5	0	
100	PI/2 BPSK	135	69	17.19	17.35	16.99	18.5	0	
100	PI/2 BPSK	135	138	17.19	17.45	16.89	18.5	0	
100	PI/2 BPSK	270	0	17.18	17.49	16.86	18.5	0	
100	QPSK	1	1	17.31	17.52	17.08	18.5	0	
100	QPSK	1	137	17.25	17.28	17.08			
100	QPSK	1	271	17.13	17.49	16.84			
100	QPSK	135	0	17.2	17.28	16.92	18.5	0	
100	QPSK	135	69	17.35	17.47	16.88	18.5	0	
100	QPSK	135	138	17.24	17.36	17.09	18.5	0	
100	QPSK	270	0	17.21	17.34	16.84	18.5	0	
100	16QAM	1	1	17.28	17.41	16.93	18.5	0	
100	64QAM	1	1	17.01	17.19	16.86	18.5	0	
100	256QAM	1	1	17.33	17.25	17.02	18.5	0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.26	17.51	16.92	18.5	0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.12	17.47	16.99	18.5	0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3910	3945			
70	QPSK	1	1	17.15	17.45	16.91	18.5	0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.25	17.51	16.97	18.5	0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.19	17.37	16.93	18.5	0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.17	17.49	16.95	18.5	0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.13	17.47	17.02	18.5	0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.16	17.46	16.92	18.5	0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.14	17.4	16.97	18.5	0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.1	17.37	17.09	18.5	0	

Part270 n78 Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.76		18.5	0	
100	PI/2 BPSK	1	137		16.85				
100	PI/2 BPSK	1	271		16.98				
100	PI/2 BPSK	135	0		16.94		18.5	0	
100	PI/2 BPSK	135	69		17.13		18.5	0	
100	PI/2 BPSK	135	138		16.92		18.5	0	
100	PI/2 BPSK	270	0		16.88		18.5	0	
100	QPSK	1	1		17.22		18.5	0	
100	QPSK	1	137		17.07				
100	QPSK	1	271		16.73				
100	QPSK	135	0		16.82		18.5	0	
100	QPSK	135	69		16.86		18.5	0	
100	QPSK	135	138		16.81		18.5	0	
100	QPSK	270	0		16.92		18.5	0	
100	16QAM	1	1		16.84		18.5	0	
100	64QAM	1	1		16.87		18.5	0	
100	256QAM	1	1		17.03		18.5	0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.04	17.17	16.96	18.5	0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.16	17.17	17.05	18.5	0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.98	17.03	17.14	18.5	0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	17.03	16.99	16.96	18.5	0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.96	16.95	17.07	18.5	0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.08	17.16	17.18	18.5	0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.18	17.03	17.04	18.5	0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.1	16.97	17.15	18.5	0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	17.11	17.07	17.19	18.5	0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.1	17.16	16.98	18.5	0	



### Default&ECI4 Power for FR1 Other PA

n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.23	22.42	22.17	24	0
50	PI/2 BPSK	1	135	22.46	22.5	22.29		
50	PI/2 BPSK	1	268	22.38	22.36	22.22		
50	PI/2 BPSK	135	0	21.91	22.07	21.91	23.5	0.5
50	PI/2 BPSK	135	68	22.2	22.39	22.23	24	0
50	PI/2 BPSK	135	135	21.92	22.03	21.79	23.5	0.5
50	PI/2 BPSK	270	0	22.02	21.91	21.89		
50	QPSK	1	1	22.37	22.58	22.44	24	0
50	QPSK	1	135	22.26	22.4	22.45		
50	QPSK	1	268	22.35	22.55	22.37		
50	QPSK	135	0	21.44	21.49	21.31	23	1
50	QPSK	135	68	22.56	22.57	22.3	24	0
50	QPSK	135	135	21.21	21.54	21.47	23	1
50	QPSK	270	0	21.34	21.49	21.41		
50	16QAM	1	1	20.9	21.17	20.91	23	1
50	64QAM	1	1	19.32	19.56	19.59	21.5	2.5
50	256QAM	1	1	18	18.35	18.14	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.31	22.5	22.29	24	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.33	22.51	22.22	24	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.29	22.4	22.42	24	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.3	22.4	22.23	24	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.33	22.53	22.38	24	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.23	22.43	22.27	24	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.31	22.45	22.34	24	0



### n7 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.58	22.82	22.79		
50	PI/2 BPSK	1	135	23.01	22.87	22.97	24	0
50	PI/2 BPSK	1	268	22.93	23.01	22.96		
50	PI/2 BPSK	135	0	22.36	22.46	22.37	23.5	0.5
50	PI/2 BPSK	135	68	22.78	22.85	22.88	24	0
50	PI/2 BPSK	135	135	22.34	22.31	22.25		
50	PI/2 BPSK	270	0	22.29	22.49	22.42	23.5	0.5
50	QPSK	1	1	22.81	23.13	23.03		
50	QPSK	1	135	22.94	22.87	22.94	24	0
50	QPSK	1	268	22.83	22.98	22.96		
50	QPSK	135	0	21.76	21.85	21.81	23	1
50	QPSK	135	68	23.01	23.04	22.85	24	0
50	QPSK	135	135	21.75	21.82	21.84		
50	QPSK	270	0	21.76	21.84	21.8	23	1
50	16QAM	1	1	21.17	21.27	21.27	23	1
50	64QAM	1	1	19.74	19.88	19.7	21.5	2.5
50	256QAM	1	1	18.39	18.4	18.39	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.7	23.13	22.94	24	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.73	22.96	22.83	24	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.74	23.04	22.9	24	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.82	22.97	22.85	24	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.66	23.01	22.84	24	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.65	23	22.81	24	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.75	22.91	23.03	24	0

### Reduced Power Mode for Other PA EC12

n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.23	22.42	22.17	24	0
50	PI/2 BPSK	1	135	22.46	22.5	22.29		
50	PI/2 BPSK	1	268	22.38	22.36	22.22		
50	PI/2 BPSK	135	0	21.91	22.07	21.91	23.5	0.5
50	PI/2 BPSK	135	68	22.2	22.39	22.23	24	0
50	PI/2 BPSK	135	135	21.92	22.03	21.79	23.5	0.5
50	PI/2 BPSK	270	0	22.02	21.91	21.89		
50	QPSK	1	1	22.37	22.58	22.44		
50	QPSK	1	135	22.26	22.4	22.45	24	0
50	QPSK	1	268	22.35	22.55	22.37		
50	QPSK	135	0	21.44	21.49	21.31	23	1
50	QPSK	135	68	22.56	22.57	22.3	24	0
50	QPSK	135	135	21.21	21.54	21.47		
50	QPSK	270	0	21.34	21.49	21.41	23	1
50	16QAM	1	1	20.9	21.17	20.91	23	1
50	64QAM	1	1	19.32	19.56	19.59	21.5	2.5
50	256QAM	1	1	18	18.35	18.14	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.31	22.5	22.29	24	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.33	22.51	22.22	24	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.29	22.4	22.42	24	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.3	22.4	22.23	24	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.33	22.53	22.38	24	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.23	22.43	22.27	24	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.31	22.45	22.34	24	0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	16.87	17.09	16.96		
50	PI/2 BPSK	1	135	16.79	17.09	17.05	18.5	0
50	PI/2 BPSK	1	268	16.84	17.11	17.03		
50	PI/2 BPSK	135	0	16.86	17.16	17	18.5	0
50	PI/2 BPSK	135	68	16.9	17.13	16.95	18.5	0
50	PI/2 BPSK	135	135	16.81	17.1	17.03	18.5	0
50	PI/2 BPSK	270	0	16.84	17.04	16.96		
50	QPSK	1	1	16.92	17.21	17.11		
50	QPSK	1	135	16.9	17.08	17.1	18.5	0
50	QPSK	1	268	16.78	17.1	16.94		
50	QPSK	135	0	16.74	17.11	16.96	18.5	0
50	QPSK	135	68	16.79	17.18	16.92	18.5	0
50	QPSK	135	135	16.77	17.02	17.08	18.5	0
50	QPSK	270	0	16.8	17.16	17.08		
50	16QAM	1	1	16.83	17.16	17.05	18.5	0
50	64QAM	1	1	16.91	17.04	17.04	18.5	0
50	256QAM	1	1	16.83	17.09	16.95	18.5	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.45	16.73	16.56	18.5	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.46	16.65	16.56	18.5	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.38	16.75	16.63	18.5	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.5	16.77	16.68	18.5	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.47	16.7	16.59	18.5	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.38	16.66	16.59	18.5	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.49	16.75	16.65	18.5	0





### Reduced Power Mode for Other PA EC13

n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	16.53	16.56	16.58	18	0
50	PI/2 BPSK	1	135	16.48	16.57	16.63		
50	PI/2 BPSK	1	268	16.4	16.67	16.54		
50	PI/2 BPSK	135	0	16.42	16.52	16.59	18	0
50	PI/2 BPSK	135	68	16.43	16.54	16.62	18	0
50	PI/2 BPSK	135	135	16.4	16.63	16.6	18	0
50	PI/2 BPSK	270	0	16.46	16.66	16.53		
50	QPSK	1	1	16.47	16.68	16.55		
50	QPSK	1	135	16.35	16.58	16.42	18	0
50	QPSK	1	268	16.5	16.67	16.45		
50	QPSK	135	0	16.37	16.6	16.6	17	1
50	QPSK	135	68	16.51	16.64	16.57	18	0
50	QPSK	135	135	16.42	16.61	16.51		
50	QPSK	270	0	16.5	16.62	16.46	17	1
50	16QAM	1	1	16.39	16.54	16.49	18	0
50	64QAM	1	1	16.47	16.6	16.53	18	0
50	256QAM	1	1	16.41	16.6	16.6	18	0
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.39	16.61	16.47	18	0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.43	16.68	16.55	18	0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.36	16.58	16.52	18	0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.52	16.52	16.6	18	0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.52	16.61	16.56	18	0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.42	16.54	16.48	18	0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.36	16.64	16.63	18	0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.32	17.44	17.34		
50	PI/2 BPSK	1	135	17.18	17.55	17.32	18.6	0
50	PI/2 BPSK	1	268	17.3	17.5	17.4		
50	PI/2 BPSK	135	0	17.18	17.42	17.37	18.6	0
50	PI/2 BPSK	135	68	17.26	17.46	17.44	18.6	0
50	PI/2 BPSK	135	135	17.2	17.57	17.28	18.6	0
50	PI/2 BPSK	270	0	17.23	17.53	17.42		
50	QPSK	1	1	17.37	17.58	17.46		
50	QPSK	1	135	17.31	17.52	17.43	18.6	0
50	QPSK	1	268	17.26	17.47	17.44		
50	QPSK	135	0	17.25	17.52	17.32	17.6	1
50	QPSK	135	68	17.23	17.55	17.39	18.6	0
50	QPSK	135	135	17.29	17.53	17.27	17.6	1
50	QPSK	270	0	17.25	17.42	17.32		
50	16QAM	1	1	17.2	17.4	17.38	18.6	0
50	64QAM	1	1	17.29	17.51	17.33	18.6	0
50	256QAM	1	1	17.27	17.42	17.37	18.6	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.26	17.48	17.3	18.6	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.24	17.52	17.3	18.6	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.32	17.48	17.28	18.6	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.21	17.44	17.39	18.6	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.31	17.42	17.43	18.6	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.21	17.42	17.32	18.6	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.29	17.39	17.44	18.6	0



### Reduced Power Mode for Other PA ECI6

n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.26	20.46	20.33	22	0
50	PI/2 BPSK	1	135	20.42	20.43	20.3		
50	PI/2 BPSK	1	268	20.31	20.42	20.3		
50	PI/2 BPSK	135	0	20.41	20.4	20.4	22	0
50	PI/2 BPSK	135	68	20.26	20.53	20.37	22	0
50	PI/2 BPSK	135	135	20.32	20.48	20.38	22	0
50	PI/2 BPSK	270	0	20.3	20.4	20.38		
50	QPSK	1	1	20.44	20.56	20.42	22	0
50	QPSK	1	135	20.3	20.41	20.24		
50	QPSK	1	268	20.38	20.48	20.23		
50	QPSK	135	0	20.4	20.4	20.24	21	1
50	QPSK	135	68	20.37	20.49	20.26	22	0
50	QPSK	135	135	20.25	20.4	20.36	21	1
50	QPSK	270	0	20.33	20.43	20.25		
50	16QAM	1	1	20.42	20.4	20.31	22	0
50	64QAM	1	1	19.32	19.56	19.59	21.5	0.5
50	256QAM	1	1	18	18.35	18.14	19.5	2.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.29	20.51	20.3	22	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.41	20.48	20.25	22	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.3	20.55	20.31	22	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.27	20.45	20.37	22	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.28	20.4	20.28	22	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.28	20.52	20.26	22	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.26	20.45	20.34	22	0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.46	18.63	18.51	19.5	0
50	PI/2 BPSK	1	135	18.52	18.54	18.45		
50	PI/2 BPSK	1	268	18.45	18.61	18.52		
50	PI/2 BPSK	135	0	18.42	18.61	18.38	19.5	0
50	PI/2 BPSK	135	68	18.52	18.59	18.51	19.5	0
50	PI/2 BPSK	135	135	18.58	18.64	18.46	19.5	0
50	PI/2 BPSK	270	0	18.56	18.59	18.39		
50	QPSK	1	1	18.59	18.67	18.56		
50	QPSK	1	135	18.45	18.53	18.38	19.5	0
50	QPSK	1	268	18.55	18.63	18.37		
50	QPSK	135	0	18.55	18.56	18.46	18.5	1
50	QPSK	135	68	18.45	18.62	18.47	19.5	0
50	QPSK	135	135	18.48	18.6	18.44	18.5	1
50	QPSK	270	0	18.41	18.52	18.49		
50	16QAM	1	1	18.52	18.49	18.48	19.5	0
50	64QAM	1	1	18.44	18.61	18.4	19.5	0
50	256QAM	1	1	18.39	18.4	18.39	19.5	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.53	18.56	18.4	19.5	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.4	18.58	18.49	19.5	0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.42	18.63	18.5	19.5	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.52	18.59	18.43	19.5	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.49	18.58	18.51	19.5	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.54	18.63	18.49	19.5	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.52	18.5	18.51	19.5	0



### Reduced Power Mode for Other PA ECI7

n7 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.31	14.48	14.38	15.9	0
50	PI/2 BPSK	1	135	14.38	14.64	14.39		
50	PI/2 BPSK	1	268	14.24	14.63	14.45		
50	PI/2 BPSK	135	0	14.32	14.57	14.44	15.9	0
50	PI/2 BPSK	135	68	14.36	14.6	14.46	15.9	0
50	PI/2 BPSK	135	135	14.33	14.65	14.43	15.9	0
50	PI/2 BPSK	270	0	14.35	14.6	14.4		
50	QPSK	1	1	14.41	14.66	14.5		
50	QPSK	1	135	14.23	14.64	14.44	15.9	0
50	QPSK	1	268	14.39	14.57	14.32	14.9	1
50	QPSK	135	0	14.32	14.49	14.37		
50	QPSK	135	68	14.28	14.54	14.32		
50	QPSK	135	135	14.24	14.5	14.48	14.9	1
50	QPSK	270	0	14.33	14.46	14.35	15.9	0
50	16QAM	1	1	14.39	14.5	14.43		
50	64QAM	1	1	14.23	14.58	14.33		
50	256QAM	1	1	14.33	14.6	14.42	15.9	0
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.35	14.5	14.44	15.9	0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2565		
30	QPSK	1	1	14.39	14.62	14.42	15.9	0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2567.5		
25	QPSK	1	1	14.26	14.63	14.34	15.9	0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2590		
20	QPSK	1	1	14.26	14.65	14.41	15.9	0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.31	14.48	14.36	15.9	0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.24	14.61	14.39	15.9	0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.33	14.63	14.38	15.9	0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.61	15.69	15.43		
50	PI/2 BPSK	1	135	15.56	15.63	15.46	16.5	0
50	PI/2 BPSK	1	268	15.64	15.6	15.3		
50	PI/2 BPSK	135	0	15.61	15.53	15.36	16.5	0
50	PI/2 BPSK	135	68	15.52	15.63	15.28	16.5	0
50	PI/2 BPSK	135	135	15.51	15.59	15.39	16.5	0
50	PI/2 BPSK	270	0	15.59	15.57	15.45		
50	QPSK	1	1	15.65	15.7	15.47		
50	QPSK	1	135	15.63	15.63	15.31	16.5	0
50	QPSK	1	268	15.49	15.69	15.32		
50	QPSK	135	0	15.62	15.54	15.24	15.5	1
50	QPSK	135	68	15.5	15.66	15.41	16.5	0
50	QPSK	135	135	15.56	15.61	15.43	15.5	1
50	QPSK	270	0	15.53	15.64	15.28		
50	16QAM	1	1	15.55	15.55	15.38	16.5	0
50	64QAM	1	1	15.51	15.54	15.29	16.5	0
50	256QAM	1	1	15.62	15.53	15.4	16.5	0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.56	15.63	15.39	16.5	0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.53	15.61	15.31	16.5	0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.55	15.57	15.37	16.5	0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	15.5	15.58	15.39	16.5	0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.58	15.63	15.43	16.5	0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.58	15.62	15.46	16.5	0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.53	15.59	15.3	16.5	0





2.4GHz WLAN				Ant 5 Simultaneous For WLAN 2.4G Ant 5+BT		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Duty Cycle %
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	11.32	13.00	99.48	
	6	2437	11.47	13.00		
	11	2462	11.61	13.00		
802.11g 6Mbps	1	2412	10.74	12.00	96.97	
	6	2437	10.21	12.00		
	10	2457	10.79	12.00		
	11	2462	10.78	12.00		
802.11n-HT20 MCS0	1	2412	10.11	11.50	96.78	
	6	2437	10.50	12.00		
	9	2452	10.79	12.00		
	10	2457	10.88	12.50		
	11	2462	10.61	12.00		
802.11n-HT40 MCS0	3	2422	10.07	11.50	93.68	
	6	2437	10.21	11.50		
	7	2442	10.02	11.50		
	8	2447	10.46	12.00		
802.11ac-VHT20 MCS0	1	2412	9.95	11.50	94	
	6	2437	10.73	12.00		
	9	2452	10.27	12.00		
	10	2457	11.16	12.50		
	11	2462	10.57	12.00		
802.11ac-VHT40 MCS0	3	2422	9.67	11.50	89.05	
	6	2437	9.74	11.50		
	7	2442	9.65	11.50		
	8	2447	10.16	12.00		
	9	2452	9.69	11.50		
802.11ax-HE20 MCS0	1	2412	10.15	11.50	95.89	
	6	2437	10.07	11.50		
	9	2452	10.19	11.50		
	10	2457	10.26	11.50		
	11	2462	10.05	11.50		
802.11ax-HE40 MCS0	3	2422	9.74	11.50	92.46	
	6	2437	9.84	11.50		
	7	2442	10.49	12.00		
	8	2447	10.51	12.00		
	9	2452	10.11	11.50		

**BR / EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm) Simultaneous For WLAN 2.4G Ant 5+BT		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	5.77	2.99	2.96
	CH 39	2441	6.19	3.39	3.39
	CH 78	2480	5.89	2.79	2.90
Tune-up Limit			7.50	4.50	4.50

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.09
	CH 19	2440	6.68
	CH 39	2480	6.25
Tune-up Limit			7.00

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm) Simultaneous For WLAN 2.4G Ant 5+BT
LE	CH 00	2402	6.03
	CH 19	2440	6.62
	CH 39	2480	6.17
Tune-up Limit			7.00





**BR / EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm) For Full Power&Head&Body worn&Extremity Standalone			Average power (dBm) For Hotspot For Head Simultaneous			Average power (dBm) For Body-worn Simultaneous		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
			BR / EDR	CH 00	2402	15.91	13.01	13.10	10.35	7.52	7.61
	CH 39	2441	16.93	13.84	13.91	10.78	7.84	7.97	13.40	10.64	10.77
	CH 78	2480	16.38	13.31	13.46	10.38	7.78	7.74	12.68	9.84	9.82
Tune-up Limit			17.50	14.50	14.50	12.00	9.00	9.00	14.50	11.50	11.00

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.09
	CH 19	2440	6.68
	CH 39	2480	6.25
Tune-up Limit			7.00

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.03
	CH 19	2440	6.62
	CH 39	2480	6.17
Tune-up Limit			7.00