

Full Power Mode

GSM850 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		324.2	336.4	348.8	324.2	336.4	348.8	348.8	348.8
GSM 1 Tx slot		32.64	32.76	32.66	33.50	33.64	33.76	33.68	24.50
GPRS 1 Tx slot		32.57	32.72	32.66	33.50	33.57	33.72	33.66	24.50
GPRS 2 Tx slots		30.09	30.15	30.05	31.00	24.09	24.15	24.05	25.00
GPRS 3 Tx slots		28.60	28.67	28.59	29.50	24.34	24.41	24.33	25.24
GPRS 4 Tx slots		27.05	27.14	27.04	28.00	24.05	24.14	24.04	25.00
EDGE 1 Tx slot		25.95	26.05	25.93	27.00	16.95	17.05	16.93	18.00
EDGE 2 Tx slots		25.05	25.13	25.09	26.00	19.05	19.13	19.09	20.00
EDGE 3 Tx slots		23.34	23.42	23.33	24.50	19.08	19.16	19.07	20.24
EDGE 4 Tx slots		21.62	21.74	21.67	23.00	18.62	18.74	18.67	20.00

GSM1900 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	1850.20	1880.00	1909.80	1909.80	1909.80
GSM 1 Tx slot		29.68	29.75	29.72	30.50	20.68	20.75	20.72	21.50
GPRS 1 Tx slot		29.60	29.73	29.66	30.50	20.60	20.73	20.66	21.50
GPRS 2 Tx slots		26.71	26.83	26.74	28.00	20.71	20.83	20.74	22.00
GPRS 3 Tx slots		25.27	25.35	25.26	26.50	21.01	21.09	21.00	22.24
GPRS 4 Tx slots		23.77	23.84	23.73	25.00	20.77	20.84	20.73	22.00
EDGE 1 Tx slot		24.69	24.84	24.75	26.00	15.69	15.84	15.75	17.00
EDGE 2 Tx slots		23.76	23.86	23.78	25.00	17.76	17.86	17.78	19.00
EDGE 3 Tx slots		22.38	22.51	22.38	23.50	18.12	18.25	18.12	19.24
EDGE 4 Tx slots		20.72	20.84	20.72	22.00	17.72	17.84	17.72	19.00

Band		WCDMA II Ant0				Tune-up Limit (dBm)	WCDMA IV Ant0				Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312		1413	1513	4132	4182		4233			
Rx Channel		9662.00	9800.00	9938.00		1537.00	1638.00	1738.00		4357.00	4407.00	4458.00			
Frequency (MHz)		1852.40	1880.00	1907.60		1712.40	1732.60	1752.60		826.40	836.40	846.60			
3GPP Rel 99	AMR 12.2Kbps	22.95	23.03	22.93	24.00	22.99	23.10	22.96	24.00	23.10	23.19	23.06	24.00		
3GPP Rel 99	RMC 12.2Kbps	23.02	23.06	22.97	24.00	23.05	23.13	23.09	24.00	23.17	23.23	23.15	24.00		
3GPP Rel 6	HSDPA Subtest-1	21.95	22.07	22.00	23.00	21.95	22.12	22.01	23.00	22.05	22.16	22.21	23.00		
3GPP Rel 6	HSDPA Subtest-2	21.99	22.16	21.68	23.00	21.97	22.17	21.74	23.00	22.20	22.33	22.27	23.00		
3GPP Rel 6	HSDPA Subtest-3	21.45	21.64	21.52	22.50	21.49	21.58	21.50	22.50	21.68	21.85	21.76	22.50		
3GPP Rel 6	HSDPA Subtest-4	21.40	21.61	21.58	22.50	21.42	21.64	21.55	22.50	21.55	21.71	21.70	22.50		
3GPP Rel 8	DC-HSDPA Subtest-1	22.08	22.10	21.90	23.00	22.07	22.11	21.98	23.00	22.23	22.21	22.17	23.00		
3GPP Rel 8	DC-HSDPA Subtest-2	21.91	21.97	22.12	23.00	21.93	21.97	22.00	23.00	22.14	22.14	22.21	23.00		
3GPP Rel 8	DC-HSDPA Subtest-3	21.29	21.40	21.35	22.50	21.31	21.44	21.39	22.50	21.50	21.66	21.50	22.50		
3GPP Rel 8	DC-HSDPA Subtest-4	21.34	21.52	21.48	22.50	21.45	21.65	21.41	22.50	21.52	21.76	21.60	22.50		
3GPP Rel 6	HSUPA Subtest-1	22.00	21.87	22.03	23.00	21.89	21.98	22.01	23.00	21.98	22.21	22.15	23.00		
3GPP Rel 6	HSUPA Subtest-2	20.08	20.22	20.04	21.00	20.13	20.19	20.11	21.00	20.36	20.24	20.23	21.00		
3GPP Rel 6	HSUPA Subtest-3	21.06	21.00	20.88	22.00	21.15	21.00	20.98	22.00	21.22	21.23	21.08	22.00		
3GPP Rel 6	HSUPA Subtest-4	19.86	20.03	20.17	21.00	19.92	20.10	20.18	21.00	20.08	20.32	20.35	21.00		
3GPP Rel 6	HSUPA Subtest-5	21.90	21.99	21.89	23.00	21.97	22.11	21.93	23.00	22.14	22.17	22.02	23.00		

GSM850 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.86	32.84	32.91	33.50	23.86	23.94	23.91	24.50
GPRS 1 Tx slot		32.84	32.92	32.77	33.50	23.84	23.92	23.77	24.50
GPRS 2 Tx slots		30.15	30.29	30.17	31.00	24.15	24.29	24.17	25.00
GPRS 3 Tx slots		28.62	28.74	28.64	29.50	24.36	24.48	24.38	25.24
GPRS 4 Tx slots		26.68	26.76	26.69	28.00	23.68	23.76	23.69	25.00
EDGE 1 Tx slot		25.82	25.93	25.86	27.00	16.82	16.93	16.86	18.00
EDGE 2 Tx slots		25.06	25.13	24.99	26.00	19.06	19.13	18.99	20.00
EDGE 3 Tx slots		23.34	23.41	23.27	24.50	19.08	19.15	19.01	20.24
EDGE 4 Tx slots		21.68	21.81	21.70	23.00	18.68	18.81	18.70	20.00

GSM1900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.21	29.28	29.24	30.50	20.21	20.28	20.24	21.50
GPRS 1 Tx slot		29.12	29.23	29.15	30.50	20.12	20.23	20.15	21.50
GPRS 2 Tx slots		26.11	26.17	26.06	27.00	20.11	20.17	20.06	21.00
GPRS 3 Tx slots		24.42	24.54	24.41	25.50	20.16	20.28	20.15	21.24
GPRS 4 Tx slots		22.75	22.88	22.74	24.00	19.75	19.88	19.74	21.00
EDGE 1 Tx slot		24.05	24.20	24.10	25.00	15.05	15.20	15.10	16.00
EDGE 2 Tx slots		23.08	23.21	23.09	24.00	17.08	17.21	17.09	18.00
EDGE 3 Tx slots		21.79	21.88	21.78	23.00	17.53	17.62	17.52	18.74
EDGE 4 Tx slots		20.06	20.15	20.01	21.00	17.06	17.15	17.01	18.00

Band		WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
RX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.44	23.61	23.45	24.00	23.44	23.58	23.48	24.00	23.34	23.38	23.30	24.00
3GPP Rel 99	RMC 12.2Kbps	23.59	23.63	23.51	24.00	23.49	23.61	23.55	24.00	23.37	23.42	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.58	22.61	22.50	23.00	22.52	22.66	22.60	23.00	22.29	22.37	22.27	23.00
3GPP Rel 6	HSDPA Subtest-2	22.57	22.71	22.38	23.00	22.55	22.71	22.42	23.00	22.29	22.43	22.13	23.00
3GPP Rel 6	HSDPA Subtest-3	22.10	22.13	22.11	22.50	22.00	22.07	22.01	22.50	21.81	21.91	21.79	22.50
3GPP Rel 6	HSDPA Subtest-4	21.93	22.18	22.10	22.50	21.89	22.15	22.13	22.50	21.73	21.86	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.51	22.60	22.56	23.00	22.60	22.61	22.52	23.00	22.33	22.38	22.23	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.55	22.55	22.62	23.00	22.52	22.57	22.64	23.00	22.32	22.33	22.33	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.83	22.05	21.92	22.50	21.83	22.02	21.99	22.50	21.70	21.83	21.72	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.90	22.15	22.01	22.50	21.91	22.13	21.89	22.50	21.57	21.89	21.65	22.50
3GPP Rel 6	HSUPA Subtest-1	22.54	22.44	22.58	23.00	22.50	22.59	22.55	23.00	22.32	22.34	22.37	23.00
3GPP Rel 6	HSUPA Subtest-2	20.66	20.71	20.66	21.00	20.65	20.75	20.56	21.00	20.47	20.49	20.34	21.00
3GPP Rel 6	HSUPA Subtest-3	21.67	21.81	21.52	22.00	21.72	21.63	21.52	22.00	21.48	21.32	21.27	22.00
3GPP Rel 6	HSUPA Subtest-4	20.52	20.69	20.60	21.00	20.52	20.85	20.76	21.00	20.16	20.42	20.43	21.00
3GPP Rel 6	HSUPA Subtest-5	22.53	22.56	22.44	23.00	22.53	22.46	22.49	23.00	22.24	22.37	22.24	23.00

Reduced Power Mode for DSI 2

GSM850 AnT0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.64	32.76	32.68	33.50	23.64	23.76	23.68	24.50
GPRS 1 Tx slot		32.57	32.72	32.66	33.50	23.57	23.72	23.66	24.50
GPRS 2 Tx slots		30.09	30.15	30.05	31.00	24.09	24.15	24.05	25.00
GPRS 3 Tx slots		28.60	28.67	28.59	29.50	24.34	24.41	24.33	25.24
GPRS 4 Tx slots		27.05	27.14	27.04	28.00	24.05	24.14	24.04	25.00
EDGE 1 Tx slot		25.95	26.05	25.93	27.00	16.95	17.05	16.93	18.00
EDGE 2 Tx slots		25.05	25.13	25.09	26.00	19.05	19.13	19.09	20.00
EDGE 3 Tx slots		23.34	23.42	23.33	24.50	19.08	19.16	19.07	20.24
EDGE 4 Tx slots		21.62	21.74	21.67	23.00	18.62	18.74	18.67	20.00

GSM1900 AnT0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	681	810		512	681	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.20	1880.00	1909.80	
GSM 1 Tx slot		29.68	29.75	29.72	30.50	20.68	20.75	20.72	21.50
GPRS 1 Tx slot		29.60	29.73	29.66	30.50	20.60	20.73	20.66	21.50
GPRS 2 Tx slots		26.71	26.83	26.74	28.00	20.71	20.83	20.74	22.00
GPRS 3 Tx slots		25.27	25.35	25.26	26.50	21.01	21.09	21.00	22.24
GPRS 4 Tx slots		23.77	23.84	23.73	25.00	20.77	20.84	20.73	22.00
EDGE 1 Tx slot		24.69	24.84	24.75	26.00	15.69	15.84	15.75	17.00
EDGE 2 Tx slots		23.76	23.86	23.78	25.00	17.76	17.86	17.78	19.00
EDGE 3 Tx slots		22.38	22.51	22.38	23.50	18.12	18.25	18.12	19.24
EDGE 4 Tx slots		20.72	20.84	20.72	22.00	17.72	17.84	17.72	19.00

Band		WCDMA II AnT0			Tune-up Limit (dBm)	WCDMA IV AnT0			Tune-up Limit (dBm)	WCDMA V AnT0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662.00	9800.00	9938.00		1537.00	1638.00	1738.00		4357.00	4407.00	4458.00	
Frequency (MHz)		1852.40	1880.00	1907.60		1712.40	1732.60	1752.60		826.40	836.40	846.60	
3GPP Rel 99	AMR 12.2Kbps	22.95	23.03	22.93	24.00	22.99	23.10	22.96	24.00	23.10	23.19	23.06	24.00
3GPP Rel 99	RMC 12.2Kbps	23.02	23.06	22.97	24.00	23.05	23.13	23.09	24.00	23.17	23.23	23.15	24.00
3GPP Rel 6	HSDPA Subtest-1	21.95	22.07	22.00	23.00	21.95	22.12	22.01	23.00	22.05	22.16	22.21	23.00
3GPP Rel 6	HSDPA Subtest-2	21.99	22.16	21.68	23.00	21.97	22.17	21.74	23.00	22.20	22.33	22.27	23.00
3GPP Rel 6	HSDPA Subtest-3	21.45	21.84	21.52	22.50	21.49	21.58	21.50	22.50	21.68	21.85	21.76	22.50
3GPP Rel 6	HSDPA Subtest-4	21.40	21.61	21.58	22.50	21.42	21.64	21.55	22.50	21.55	21.71	21.70	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.08	22.10	21.90	23.00	22.07	22.11	21.98	23.00	22.23	22.21	22.17	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.91	21.97	22.12	23.00	21.93	21.97	22.00	23.00	22.14	22.14	22.21	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.29	21.40	21.35	22.50	21.31	21.44	21.39	22.50	21.50	21.66	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.34	21.52	21.48	22.50	21.45	21.65	21.41	22.50	21.52	21.76	21.60	22.50
3GPP Rel 6	HSUPA Subtest-1	22.00	21.87	22.03	23.00	21.89	21.98	22.01	23.00	21.98	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	20.08	20.22	20.04	21.00	20.13	20.19	20.11	21.00	20.36	20.24	20.23	21.00
3GPP Rel 6	HSUPA Subtest-3	21.06	21.00	20.88	22.00	21.15	21.00	20.98	22.00	21.22	21.23	21.08	22.00
3GPP Rel 6	HSUPA Subtest-4	19.86	20.03	20.17	21.00	19.92	20.10	20.18	21.00	20.08	20.32	20.35	21.00
3GPP Rel 6	HSUPA Subtest-5	21.90	21.99	21.89	23.00	21.97	22.11	21.93	23.00	22.14	22.17	22.02	23.00

GSM850 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	30.60	824.2	836.4	848.8	21.60
GSM 1 Tx slot		29.66	29.71	29.61		20.66	20.71	20.61	
GPRS 1 Tx slots		29.61	29.65	29.59	30.60	20.61	20.65	20.59	21.60
GPRS 2 Tx slots		26.63	26.68	26.55	27.60	20.63	20.68	20.55	21.60
GPRS 3 Tx slots		24.76	24.83	24.78	25.80	20.60	20.57	20.52	21.54
GPRS 4 Tx slots		23.57	23.62	23.47	24.60	20.57	20.62	20.47	21.60
EDGE 1 Tx slot		25.82	25.93	25.86	27.00	16.82	16.93	16.86	18.00
EDGE 2 Tx slots		25.06	25.13	24.99	26.00	19.06	19.13	18.99	20.00
EDGE 3 Tx slots		23.34	23.41	23.27	24.50	19.08	19.15	19.01	20.24
EDGE 4 Tx slots		21.68	21.81	21.70	23.00	18.68	18.81	18.70	20.00

GSM1900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	25.60	1850.2	1880	1909.8	16.60
GSM 1 Tx slot		24.56	24.67	24.61		15.56	15.67	15.61	
GPRS 1 Tx slot		24.50	24.63	24.57	25.60	15.50	15.63	15.57	16.60
GPRS 2 Tx slots		21.06	21.17	21.14	22.60	15.06	15.17	15.14	16.60
GPRS 3 Tx slots		19.62	19.74	19.68	20.80	15.36	15.48	15.42	16.54
GPRS 4 Tx slots		18.22	18.27	18.23	19.60	15.22	15.27	15.23	16.60
EDGE 1 Tx slot		24.02	24.05	23.98	25.00	15.02	15.05	14.98	16.00
EDGE 2 Tx slots		20.96	21.06	20.94	22.60	14.96	15.06	14.94	16.60
EDGE 3 Tx slots		19.28	19.34	19.30	20.80	15.02	15.08	15.04	16.54
EDGE 4 Tx slots		17.99	18.11	18.03	19.60	14.99	15.11	15.03	16.60

Band		WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	17.12.4	1537	1638	1738		4357	4407	4458	20.96
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	16.24	16.51	16.30	17.80	15.57	15.71	15.62	16.80	20.88	20.97	20.76	21.90
3GPP Rel 99	RMC 12.2Kbps	16.36	16.55	16.31	17.80	15.66	15.74	15.67	16.80	20.90	20.98	20.95	21.90
3GPP Rel 6	HSDPA Subtest-1	15.39	15.47	15.34	16.80	14.61	14.70	14.65	15.80	19.77	19.91	19.86	20.90
3GPP Rel 6	HSDPA Subtest-2	15.37	15.52	15.15	16.80	14.61	14.81	14.49	15.80	19.73	20.03	19.60	20.90
3GPP Rel 6	HSDPA Subtest-3	14.98	14.85	14.90	16.30	14.19	14.24	14.09	15.30	19.33	19.45	19.35	20.40
3GPP Rel 6	HSDPA Subtest-4	14.75	15.03	14.92	16.30	14.16	14.33	14.25	15.30	19.15	19.37	19.39	20.40
3GPP Rel 8	DC-HSDPA Subtest-1	15.36	15.36	15.39	16.80	14.78	14.67	14.70	15.80	19.86	19.87	19.75	20.90
3GPP Rel 8	DC-HSDPA Subtest-2	15.44	15.49	15.41	16.80	14.67	14.69	14.75	15.80	19.92	19.80	19.81	20.90
3GPP Rel 8	DC-HSDPA Subtest-3	14.69	14.85	14.73	16.30	13.98	14.14	14.12	15.30	19.24	19.37	19.13	20.40
3GPP Rel 8	DC-HSDPA Subtest-4	14.68	14.94	14.81	16.30	14.13	14.26	14.08	15.30	19.06	19.44	19.15	20.40
3GPP Rel 6	HSUPA Subtest-1	15.42	15.50	15.46	16.80	14.73	14.62	14.68	15.80	19.95	19.88	19.78	20.90
3GPP Rel 6	HSUPA Subtest-2	13.41	13.53	13.47	14.80	12.74	12.85	12.68	13.80	17.99	17.91	17.83	18.90
3GPP Rel 6	HSUPA Subtest-3	14.39	14.39	14.26	15.80	13.86	13.74	13.62	14.80	18.92	18.78	18.64	19.90
3GPP Rel 6	HSUPA Subtest-4	13.44	13.55	13.55	14.80	12.73	12.85	12.92	13.80	17.73	17.87	17.96	18.90
3GPP Rel 6	HSUPA Subtest-5	15.32	15.36	15.27	16.80	14.59	14.71	14.64	15.80	19.73	19.82	19.61	20.90

Reduced Power Mode for DSI 3

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	32.64	32.76	32.68	33.50	23.64	23.76	23.68	24.50
GPRS 1 Tx slot	32.57	32.72	32.66	33.50	23.57	23.72	23.66	24.50
GPRS 2 Tx slots	30.09	30.15	30.05	31.00	24.09	24.15	24.05	25.00
GPRS 3 Tx slots	28.60	28.67	28.59	29.50	24.34	24.41	24.33	25.24
GPRS 4 Tx slots	27.05	27.14	27.04	28.00	24.05	24.14	24.04	25.00
EDGE 1 Tx slot	25.95	26.05	25.93	27.00	16.95	17.05	16.93	18.00
EDGE 2 Tx slots	25.05	25.13	25.09	26.00	19.05	19.13	19.09	20.00
EDGE 3 Tx slots	23.34	23.42	23.33	24.50	19.08	19.16	19.07	20.24
EDGE 4 Tx slots	21.62	21.74	21.67	23.00	18.62	18.74	18.67	20.00

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	24.12	24.18	24.06	24.90	15.12	15.18	15.06	15.90
GPRS 1 Tx slot	24.07	24.12	24.03	24.90	15.07	15.12	15.03	15.90
GPRS 2 Tx slots	20.86	20.95	20.91	21.90	14.86	14.95	14.91	15.90
GPRS 3 Tx slots	19.21	19.25	19.15	20.10	14.95	14.99	14.89	15.84
GPRS 4 Tx slots	17.82	17.93	17.89	18.90	14.82	14.93	14.89	15.90
EDGE 1 Tx slot	23.67	23.82	23.73	24.90	14.67	14.82	14.73	15.90
EDGE 2 Tx slots	20.87	20.95	20.89	21.90	14.87	14.95	14.89	15.90
EDGE 3 Tx slots	18.65	18.76	18.62	20.10	14.39	14.50	14.36	15.84
EDGE 4 Tx slots	17.73	17.85	17.79	18.90	14.73	14.85	14.79	15.90

Burst		WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9682	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.53	13.61	13.57	15.00	14.72	14.78	14.74	15.90	23.10	23.19	23.06	24.00
3GPP Rel 99	RMC 12.2Kbps	13.56	13.63	13.60	15.00	14.79	14.83	14.81	15.90	23.17	23.23	23.15	24.00
3GPP Rel 6	HSDPA Subtest-1	12.69	12.69	12.59	14.00	13.75	13.89	13.78	14.90	22.05	22.16	22.21	23.00
3GPP Rel 6	HSDPA Subtest-2	12.69	12.79	12.60	14.00	13.95	14.00	13.77	14.90	22.20	22.33	22.27	23.00
3GPP Rel 6	HSDPA Subtest-3	12.06	12.23	12.16	13.50	13.28	13.49	13.40	14.40	21.68	21.85	21.76	22.50
3GPP Rel 6	HSDPA Subtest-4	11.99	12.31	12.17	13.50	13.17	13.52	13.38	14.40	21.55	21.71	21.70	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	12.65	12.61	12.58	14.00	13.88	13.84	13.83	14.90	22.23	22.21	22.17	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	12.50	12.59	12.73	14.00	13.71	13.84	13.89	14.90	22.14	22.14	22.21	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	11.91	12.08	11.93	13.50	13.17	13.29	13.09	14.40	21.50	21.66	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	11.96	12.06	12.10	13.50	13.21	13.23	13.28	14.40	21.52	21.76	21.80	22.50
3GPP Rel 6	HSUPA Subtest-1	12.49	12.55	12.52	14.00	13.68	13.72	13.67	14.90	21.98	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	10.65	10.85	10.62	12.00	11.84	12.11	11.82	12.90	20.36	20.24	20.23	21.00
3GPP Rel 6	HSUPA Subtest-3	11.71	11.56	11.42	13.00	12.91	12.74	12.60	13.90	21.22	21.23	21.08	22.00
3GPP Rel 6	HSUPA Subtest-4	10.42	10.63	10.82	12.00	11.60	11.83	12.02	12.90	20.08	20.32	20.35	21.00
3GPP Rel 6	HSUPA Subtest-5	12.46	12.56	12.53	14.00	13.62	13.80	13.74	14.90	22.14	22.17	22.02	23.00

GSM850 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.86	32.84	32.91	33.50	23.86	23.94	23.91	24.50
GPRS 1 Tx slot		32.84	32.92	32.77	33.50	23.84	23.92	23.77	24.50
GPRS 2 Tx slots		30.15	30.29	30.17	31.00	24.15	24.29	24.17	25.00
GPRS 3 Tx slots		28.62	28.74	28.64	29.50	24.36	24.48	24.38	25.24
GPRS 4 Tx slots		26.68	26.76	26.69	28.00	23.68	23.76	23.69	25.00
EDGE 1 Tx slot		25.82	25.93	25.86	27.00	16.82	16.93	16.86	18.00
EDGE 2 Tx slots		25.06	25.13	24.99	26.00	19.06	19.13	18.99	20.00
EDGE 3 Tx slots		23.34	23.41	23.27	24.50	19.08	19.15	19.01	20.24
EDGE 4 Tx slots		21.68	21.81	21.70	23.00	18.68	18.81	18.70	20.00

GSM1900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		25.42	25.49	25.46	26.80	16.42	16.49	16.46	17.80
GPRS 1 Tx slot		25.36	25.45	25.31	26.80	16.36	16.45	16.31	17.80
GPRS 2 Tx slots		22.46	22.57	22.50	23.80	16.46	16.57	16.50	17.80
GPRS 3 Tx slots		20.77	20.85	20.80	22.00	16.51	16.59	16.54	17.74
GPRS 4 Tx slots		19.28	19.41	19.31	20.80	16.28	16.41	16.31	17.80
EDGE 1 Tx slot		24.10	24.16	24.11	25.00	15.10	15.16	15.11	16.00
EDGE 2 Tx slots		22.56	22.68	22.57	23.80	16.56	16.68	16.57	17.80
EDGE 3 Tx slots		20.71	20.80	20.65	22.00	16.45	16.54	16.39	17.74
EDGE 4 Tx slots		19.59	19.62	19.48	20.80	16.59	16.62	16.48	17.80

Band		WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
RX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.21	17.29	17.17	18.70	17.14	17.22	17.13	18.40	23.34	23.38	23.30	24.00
3GPP Rel 99	RMC 12.2Kbps	17.31	17.35	17.24	18.70	17.23	17.27	17.11	18.40	23.37	23.42	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	16.29	16.28	16.17	17.70	16.23	16.25	16.13	17.40	22.29	22.37	22.27	23.00
3GPP Rel 6	HSDPA Subtest-2	16.33	16.39	16.04	17.70	16.20	16.32	15.89	17.40	22.29	22.43	22.13	23.00
3GPP Rel 6	HSDPA Subtest-3	15.80	15.90	15.88	17.20	15.65	15.84	15.78	16.90	21.81	21.91	21.79	22.50
3GPP Rel 6	HSDPA Subtest-4	15.80	15.89	15.78	17.20	15.57	15.85	15.74	16.90	21.73	21.86	21.94	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	16.23	16.32	16.23	17.70	16.14	16.25	16.14	17.40	22.33	22.38	22.23	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.29	16.27	16.32	17.70	16.26	16.17	16.19	17.40	22.32	22.33	22.33	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.68	15.76	15.59	17.20	15.50	15.61	15.44	16.90	21.70	21.83	21.72	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.56	15.85	15.67	17.20	15.44	15.71	15.60	16.90	21.57	21.89	21.65	22.50
3GPP Rel 6	HSUPA Subtest-1	16.26	16.32	16.33	17.70	16.13	16.18	16.20	17.40	22.33	22.35	22.37	23.00
3GPP Rel 6	HSUPA Subtest-2	14.42	14.46	14.34	15.70	14.29	14.37	14.27	15.40	20.47	20.49	20.34	21.00
3GPP Rel 6	HSUPA Subtest-3	15.33	15.34	15.21	16.70	15.22	15.22	15.14	16.40	21.48	21.32	21.27	22.00
3GPP Rel 6	HSUPA Subtest-4	14.19	14.44	14.37	15.70	14.11	14.38	14.28	15.40	20.16	20.42	20.43	21.00
3GPP Rel 6	HSUPA Subtest-5	16.21	16.27	16.13	17.70	16.14	16.18	16.03	17.40	22.24	22.37	22.24	23.00

Reduced Power Mode for DSI 6

GSM850 ANT0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.64	32.76	32.68	33.50	23.64	23.76	23.68	24.50
GPRS 1 Tx slot		32.57	32.72	32.66	33.50	23.57	23.72	23.66	24.50
GPRS 2 Tx slots		30.09	30.15	30.05	31.00	24.09	24.15	24.05	25.00
GPRS 3 Tx slots		28.60	28.67	28.59	29.50	24.34	24.41	24.33	25.24
GPRS 4 Tx slots		27.05	27.14	27.04	28.00	24.05	24.14	24.04	25.00
EDGE 1 Tx slot		25.95	26.05	25.93	27.00	16.95	17.05	16.93	18.00
EDGE 2 Tx slots		25.05	25.13	25.09	26.00	19.05	19.13	19.09	20.00
EDGE 3 Tx slots		23.34	23.42	23.33	24.50	19.08	19.16	19.07	20.24
EDGE 4 Tx slots		21.62	21.74	21.67	23.00	18.62	18.74	18.67	20.00

GSM1900 ANT0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.20	1860.00	1869.80	
GSM 1 Tx slot		29.68	29.75	29.72	30.50	20.68	20.75	20.72	21.50
GPRS 1 Tx slot		29.60	29.73	29.66	30.50	20.60	20.73	20.66	21.50
GPRS 2 Tx slots		26.71	26.83	26.74	28.00	20.71	20.83	20.74	22.00
GPRS 3 Tx slots		25.27	25.35	25.26	26.50	21.01	21.09	21.00	22.24
GPRS 4 Tx slots		23.77	23.84	23.73	25.00	20.77	20.84	20.73	22.00
EDGE 1 Tx slot		24.69	24.84	24.75	26.00	15.69	15.84	15.75	17.00
EDGE 2 Tx slots		23.76	23.86	23.78	25.00	17.76	17.86	17.78	19.00
EDGE 3 Tx slots		22.38	22.51	22.38	23.50	18.12	18.25	18.12	19.24
EDGE 4 Tx slots		20.72	20.84	20.72	22.00	17.72	17.84	17.72	19.00

Band		WCDMA I ANT0			Tune-up Limit (dBm)	WCDMA IV ANT0			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662.00	9800.00	9938.00		1537.00	1638.00	1738.00		4357.00	4407.00	4458.00	
Frequency (MHz)		1852.40	1880.00	1907.60		1712.40	1732.60	1752.60		826.40	836.40	846.60	
3GPP Rel 99	AMR 12.2Kbps	21.05	21.10	21.08	22.20	20.57	20.68	20.62	22.00	23.10	23.19	23.06	24.00
3GPP Rel 99	RMC 12.2Kbps	21.12	21.15	21.07	22.20	20.62	20.60	20.66	22.00	23.17	23.23	23.15	24.00
3GPP Rel 6	HSDPA Subtest-1	20.04	20.21	20.05	21.20	19.56	19.75	19.61	21.00	22.05	22.16	22.21	23.00
3GPP Rel 6	HSDPA Subtest-2	20.08	20.26	20.22	21.20	19.58	19.68	19.40	21.00	22.20	22.33	22.27	23.00
3GPP Rel 6	HSDPA Subtest-3	19.50	19.80	19.63	20.70	19.07	19.24	19.10	20.50	21.68	21.85	21.76	22.50
3GPP Rel 6	HSDPA Subtest-4	19.54	19.77	19.74	20.70	19.05	19.30	19.10	20.50	21.55	21.71	21.70	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.19	20.23	20.06	21.20	19.74	19.68	19.62	21.00	22.23	22.21	22.17	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.01	20.05	20.21	21.20	19.49	19.52	19.59	21.00	22.14	22.14	22.21	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.51	19.42	20.70	18.96	19.00	19.02	20.50	21.50	21.66	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.48	19.59	19.57	20.70	19.00	19.22	19.01	20.50	21.52	21.76	21.60	22.50
3GPP Rel 6	HSUPA Subtest-1	20.12	20.13	20.04	21.20	19.50	19.76	19.58	21.00	21.98	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	18.23	18.36	18.21	19.20	17.78	17.76	17.77	19.00	20.36	20.24	20.23	21.00
3GPP Rel 6	HSUPA Subtest-3	19.15	19.16	19.04	20.20	18.72	18.64	18.63	20.00	21.22	21.23	21.08	22.00
3GPP Rel 6	HSUPA Subtest-4	17.99	18.15	18.28	19.20	17.56	17.76	17.77	19.00	20.08	20.32	20.35	21.00
3GPP Rel 6	HSUPA Subtest-5	19.97	20.06	20.00	21.20	19.61	19.69	19.49	21.00	22.14	22.17	22.02	23.00

GSM850 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.86	32.94	32.91	33.50	23.86	23.94	23.91	24.50
GPRS 1 Tx slots		32.84	32.92	32.77	33.50	23.84	23.92	23.77	24.50
GPRS 2 Tx slots		30.15	30.29	30.17	31.00	24.15	24.29	24.17	25.00
GPRS 3 Tx slots		28.62	28.74	28.64	29.50	24.36	24.48	24.38	25.24
GPRS 4 Tx slots		26.68	26.76	26.69	28.00	23.68	23.76	23.69	25.00
EDGE 1 Tx slot		25.82	25.93	25.86	27.00	16.82	16.93	16.86	18.00
EDGE 2 Tx slots		25.06	25.13	24.99	26.00	19.06	19.13	18.99	20.00
EDGE 3 Tx slots		23.34	23.41	23.27	24.50	19.08	19.15	19.01	20.24
EDGE 4 Tx slots		21.68	21.81	21.70	23.00	18.68	18.81	18.70	20.00

GSM1900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.20	1880.00	1909.80	
GSM 1 Tx slot		29.21	29.28	29.24	30.50	20.21	20.28	20.24	21.50
GPRS 1 Tx slot		29.12	29.23	29.15	30.50	20.12	20.23	20.15	21.50
GPRS 2 Tx slots		26.11	26.17	26.06	27.00	20.11	20.17	20.06	21.00
GPRS 3 Tx slots		24.42	24.54	24.41	25.50	20.16	20.28	20.15	21.24
GPRS 4 Tx slots		22.75	22.88	22.74	24.00	19.75	19.88	19.74	21.00
EDGE 1 Tx slot		24.05	24.20	24.10	25.00	15.05	15.20	15.10	16.00
EDGE 2 Tx slots		23.08	23.21	23.09	24.00	17.08	17.21	17.09	18.00
EDGE 3 Tx slots		21.79	21.88	21.78	23.00	17.53	17.62	17.52	18.74
EDGE 4 Tx slots		20.06	20.15	20.01	21.00	17.08	17.15	17.01	18.00

Band		WCDMA II Ant1				Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312		1413	1513	4132		4182	4233		
Rx Channel		9662.00	9800.00	9938.00	1537.00	1638.00	1738.00	4387.00	4407.00	4458.00				
Frequency (MHz)		1852.40	1880.00	1907.60	1712.40	1732.60	1752.60	826.40	836.40	846.60				
3GPP Rel 99	AMR 12.2Kbps	20.98	21.03	20.83	22.00	20.92	20.89	20.75	22.10	23.34	23.38	23.30	24.00	
3GPP Rel 99	RMC 12.2Kbps	21.02	21.07	20.91	22.00	20.94	20.96	20.84	22.10	23.37	23.42	23.35	24.00	
3GPP Rel 6	HSDPA Subtest-1	19.98	19.97	19.88	21.00	19.83	19.91	19.75	21.10	22.29	22.37	22.27	23.00	
3GPP Rel 6	HSDPA Subtest-1	19.97	20.10	19.76	21.00	19.88	19.91	19.72	21.10	22.29	22.43	22.13	23.00	
3GPP Rel 6	HSDPA Subtest-3	19.53	19.57	19.54	20.50	19.45	19.48	19.43	20.60	21.81	21.91	21.79	22.50	
3GPP Rel 6	HSDPA Subtest-4	19.29	19.59	19.55	20.50	19.25	19.44	19.41	20.60	21.73	21.86	21.94	22.50	
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.96	19.91	21.00	19.82	19.88	19.86	21.10	22.33	22.38	22.23	23.00	
3GPP Rel 8	DC-HSDPA Subtest-2	19.91	20.01	20.05	21.00	19.86	19.96	19.93	21.10	22.32	22.33	22.33	23.00	
3GPP Rel 8	DC-HSDPA Subtest-3	19.30	19.50	19.36	20.50	19.24	19.40	19.30	20.60	21.70	21.83	21.72	22.50	
3GPP Rel 8	DC-HSDPA Subtest-4	19.32	19.61	19.46	20.50	19.22	19.31	19.36	20.60	21.57	21.89	21.65	22.50	
3GPP Rel 6	HSUPA Subtest-1	20.00	20.05	20.04	21.00	19.85	19.79	19.86	21.10	22.22	22.38	22.37	23.00	
3GPP Rel 6	HSUPA Subtest-2	18.03	18.07	18.07	19.00	17.90	17.96	18.00	19.10	20.47	20.49	20.34	21.00	
3GPP Rel 6	HSUPA Subtest-3	19.04	19.06	18.91	20.00	19.00	18.98	18.88	20.10	21.48	21.32	21.27	22.00	
3GPP Rel 6	HSUPA Subtest-4	17.94	18.05	17.95	19.00	17.89	17.94	17.91	19.10	20.18	20.42	20.43	21.00	
3GPP Rel 6	HSUPA Subtest-5	20.00	19.94	19.80	21.00	19.95	19.87	19.76	21.10	22.24	22.37	22.24	23.00	

Uplink CA Power

Ant0

CA_7C								
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	22.19	24.00
21100	21298	QPSK	1	99	1	0	22.24	24.00
21350	21152	QPSK	1	0	1	99	22.11	24.00

Ant1

CA_7C								
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	21.51	23.00
21100	21298	QPSK	1	99	1	0	21.54	23.00
21350	21152	QPSK	1	0	1	99	21.47	23.00

Ant0

CA_38C								
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	22.80	24.00
37901	38099	QPSK	1	99	1	0	22.96	24.00
38150	37952	QPSK	1	0	1	99	22.89	24.00

Ant1

CA_38C								
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	21.89	23.00
37901	38099	QPSK	1	99	1	0	21.97	23.00
38150	37952	QPSK	1	0	1	99	21.94	23.00

Ant0

CA_41C								
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	22.37	24.00
40185	40383	QPSK	1	99	1	0	22.18	24.00
40620	40818	QPSK	1	99	1	0	22.45	24.00
41055	41253	QPSK	1	99	1	0	22.39	24.00
41490	41292	QPSK	1	0	1	99	22.31	24.00

Ant1

CA_41C								
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	21.89	23.00
40185	40383	QPSK	1	99	1	0	21.91	23.00
40620	40818	QPSK	1	99	1	0	21.98	23.00
41055	41253	QPSK	1	99	1	0	21.82	23.00
41490	41292	QPSK	1	0	1	99	21.95	23.00

Ant0 DS13								
CA_7C								
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	19.03	19.10
21100	21298	QPSK	1	99	1	0	18.18	19.10
21350	21152	QPSK	1	0	1	99	18.12	19.10

Ant0 DS16								
CA_7C								
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	19.51	21.10
21100	21298	QPSK	1	99	1	0	19.59	21.10
21350	21152	QPSK	1	0	1	99	19.49	21.10

Ant0 DS13								
CA_38C								
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	19.68	20.70
37901	38099	QPSK	1	99	1	0	19.72	20.70
38150	37952	QPSK	1	0	1	99	19.60	20.70

Ant0 DS16								
CA_38C								
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	21.66	23.20
37901	38099	QPSK	1	99	1	0	21.78	23.20
38150	37952	QPSK	1	0	1	99	21.71	23.20

Ant0 DS13								
CA_41C								
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	19.68	20.70
40185	40383	QPSK	1	99	1	0	19.64	20.70
40620	40818	QPSK	1	99	1	0	19.86	20.70
41055	41253	QPSK	1	99	1	0	19.79	20.70
41490	41292	QPSK	1	0	1	99	19.83	20.70

Ant0 DS16								
CA_41C								
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	21.72	23.20
40185	40383	QPSK	1	99	1	0	21.69	23.20
40620	40818	QPSK	1	99	1	0	21.84	23.20
41055	41253	QPSK	1	99	1	0	21.81	23.20
41490	41292	QPSK	1	0	1	99	21.74	23.20



Ant1_DS12								
CA_7C								
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	14.58	15.90
21100	21298	QPSK	1	99	1	0	14.71	15.90
21350	21152	QPSK	1	0	1	99	14.64	15.90

Ant1_DS12								
CA_38C								
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	17.10	18.60
37901	38099	QPSK	1	99	1	0	17.23	18.60
38150	37952	QPSK	1	0	1	99	17.18	18.60

Ant1_DS12								
CA_41C								
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	17.34	18.60
40185	40383	QPSK	1	99	1	0	17.38	18.60
40620	40818	QPSK	1	99	1	0	17.46	18.60
41055	41253	QPSK	1	99	1	0	17.41	18.60
41490	41292	QPSK	1	0	1	99	17.33	18.60

Ant1_DS16								
CA_7C								
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	18.89	20.40
21100	21298	QPSK	1	99	1	0	18.90	20.40
21350	21152	QPSK	1	0	1	99	18.82	20.40

Ant1_DS13								
CA_38C								
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	17.78	19.30
37901	38099	QPSK	1	99	1	0	17.89	19.30
38150	37952	QPSK	1	0	1	99	17.83	19.30

Ant1_DS13								
CA_41C								
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	18.02	19.30
40185	40383	QPSK	1	99	1	0	17.84	19.30
40620	40818	QPSK	1	99	1	0	18.11	19.30
41055	41253	QPSK	1	99	1	0	17.97	19.30
41490	41292	QPSK	1	0	1	99	17.93	19.30

Ant1_DS13								
CA_7C								
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	15.00	16.50
21100	21298	QPSK	1	99	1	0	15.02	16.50
21350	21152	QPSK	1	0	1	99	15.08	16.50

Downlink CA Power

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 Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.59	22.86
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	21.79	21.84
CA_5A-41A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.80	22.84
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.29	23.35
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.91	23.00
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.34	22.39
CA_7B	Band 7	Ant 0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.65	22.77
	Band 7	Ant 1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	21.85	21.93
CA_7A-26A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.72	22.77
	Band 26	Ant 0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.85	22.87
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		21.81	21.93
	Band 26	Ant 1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.85	23.06
CA_7A-32A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 32	20M	1474.5	10140		22.63	22.77
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 32	20M	1474.5	10140		21.78	21.93
CA_7A-42A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.67	22.77
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	21.82	21.93
CA_26A-41A	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.27	23.41
	Band 26	Ant 0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.80	22.87
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		23.22	23.35
	Band 26	Ant 1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.94	23.06
CA_38C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.34	22.39
	Band 38	Ant 0	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.10	23.29
CA_41A-42A	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.21	22.37
	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.29	23.35
CA_66B	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.29	22.39
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.28	23.41
CA_66C	Band 66	Ant 0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.87	22.94
	Band 66	Ant 1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	21.92	21.95
CA_66C	Band 66	Ant 0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.84	22.94
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	21.84	21.95

3CA DL

3CA List	POC									SCC1					SCC2				DL Antenna Configuration	Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL		With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A-6A	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.53	22.66
	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.61	22.81
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.77	22.84
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.74	21.84
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	21.83	21.91
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.91	23.00
CA_2A-4A-7A	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.50	22.66
	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.62	22.81
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.59	22.77
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.68	21.84
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	21.83	21.91
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.73	21.93
CA_2A-5A-6A	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.54	22.66
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.73	22.84
	Band 66	Ant 0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.74	22.94
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.77	21.84
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.82	23.00
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.81	21.95
CA_2A-7C	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.57	22.96
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.69	22.77
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.71	21.84
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	21.75	21.93
CA_2A-7A-7A	Band 2	Ant 0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.49	22.66
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	22.70	22.77
	Band 2	Ant 1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	21.74	21.84
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1980	900	4x4MIMO	21.82	21.93
CA_4A-7C	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.69	22.81
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.62	22.77
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.80	21.91
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.73	21.93
CA_5A-7A-6A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.67	22.84
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.61	22.77
	Band 66	Ant 0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.73	22.94
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.93	23.00
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.77	21.93
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.84	21.95
CA_7A-6A-6A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.59	22.77
	Band 66	Ant 0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.75	22.94
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.76	21.93
	Band 66	Ant 1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.76	21.95
CA_41A-41A-41A	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	23.18	23.35
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	22.25	22.39
CA_41A-42C	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	23.17	23.35
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	22.30	22.39
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.27	23.41
CA_41C-42A	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.26	23.35
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.22	22.39
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.23	23.41
CA_42D	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 42	20M	3539.6	42986	4x4MIMO	23.33	23.41



4CA DL

Configure	PCC									SCC1					SCC2					SCC3					Power					
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA				
	Band	Ant	(MHz)	Freq.	Channel		RB	RB		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
				(MHz)	Offset			(MHz)				(MHz)	(MHz)				(MHz)	(MHz)				(MHz)	(MHz)				(MHz)	(MHz)		
CA_41C-41C	Band 41	Ant 0	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	23.21	23.35				
	Band 41	Ant 1	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	22.21	22.39				
CA_41E	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	23.21	23.35				
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	22.26	22.39				
CA_41A-41D	Band 41	Ant 0	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2640.4	41094	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	23.22	23.35				
	Band 41	Ant 1	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2640.4	41094	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	22.20	22.39				
CA_41A-41A-41C	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	23.27	23.35				
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	22.33	22.39				
CA_41C-42C	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	23.17	23.35				
	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	22.24	22.39				
CA_41C-42C	Band 41	Ant 0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	22.24	22.39				
	Band 42	Ant 2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	23.34	23.41				



5CA DL

Configure	PCC						SCC1						SCC2						SCC3						SCC4						Power	
	LTE	BW	BW	UL	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	DL	LTE	BW	DL	DL	DL Antenna Configuration	DL	LTE	BW	DL	DL	DL Antenna Configuration	DL	LTE	BW	DL	DL	DL Antenna Configuration	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel			Band	(MHz)	Freq. (MHz)	Channel			Band	(MHz)	Freq. (MHz)	Channel			Band	(MHz)	Freq. (MHz)	Channel			Tx. Power (dBm)	Tx. Power (dBm)
CA_5A-7C-6A-6A	Band 5	Ant 0	10M	836.5	20525		Band 7	20M	2655	3100	4x4MIMO		Band 7	20M	2554.8	3298	4x4MIMO		Band 66	10M	2115	66486	4x4MIMO		Band 66	20M	1770	67036	4x4MIMO		22.74	22.84
	Band 7	Ant 0	20M	2535	21100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		Band 66	10M	2115	66486	4x4MIMO		Band 66	20M	1770	67036	4x4MIMO		Band 5	10M	881.5	2525			22.66	22.77
	Band 66	Ant 0	10M	1715	132022	4x4MIMO	Band 66	20M	1770	67036	4x4MIMO		Band 5	10M	881.5	2525			Band 7	20M	2655	3100	4x4MIMO		Band 7	20M	2554.8	3298	4x4MIMO		22.62	22.94
	Band 5	Ant 1	10M	836.5	20525		Band 7	20M	2655	3100	4x4MIMO		Band 7	20M	2554.8	3298	4x4MIMO		Band 66	10M	2115	66486	4x4MIMO		Band 66	20M	1770	67036	4x4MIMO		22.86	23
	Band 7	Ant 1	20M	2535	21100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		Band 66	10M	2115	66486	4x4MIMO		Band 66	20M	1770	67036	4x4MIMO		Band 5	10M	881.5	2525			21.84	21.93
CA_41C-41D	Band 66	Ant 1	10M	1715	132022	4x4MIMO	Band 66	20M	1770	67036	4x4MIMO		Band 5	10M	881.5	2525			Band 7	20M	2655	3100	4x4MIMO		Band 7	20M	2554.8	3298	4x4MIMO		21.84	21.95
	Band 41	Ant 0	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		Band 41	20M	2506	39750	4x4MIMO		Band 41	20M	2525.8	39948	4x4MIMO		Band 41	20M	2545.6	40146	4x4MIMO		23.18	23.35
	Band 41	Ant 1	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		Band 41	20M	2506	39750	4x4MIMO		Band 41	20M	2525.8	39948	4x4MIMO		Band 41	20M	2545.6	40146	4x4MIMO		22.28	22.39



Full Power Mode

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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.62	22.66	22.54	24.0	0.0	
20	PI2 BPSK	1	50	22.45	22.58	22.51			
20	PI2 BPSK	1	104	22.29	22.36	22.28			
20	PI2 BPSK	50	0	22.01	22.16	22.04			0.5
20	PI2 BPSK	50	28	22.53	22.64	22.55	24.0	0.0	
20	PI2 BPSK	50	56	22.02	22.11	22.01	23.5	0.5	
20	PI2 BPSK	100	0	22.10	22.15	22.05			
20	QPSK	1	1	22.63	22.72	22.71	24.0	0.0	
20	QPSK	1	53	22.50	22.63	22.55			
20	QPSK	1	104	22.37	22.47	22.34			
20	QPSK	50	0	21.52	21.58	21.45			1.0
20	QPSK	50	28	22.55	22.67	22.62	24.0	0.0	
20	QPSK	50	56	21.49	21.54	21.46	23.0	1.0	
20	QPSK	100	0	21.64	21.69	21.60			
20	16QAM	1	1	21.37	21.51	21.44	23.0	1.0	
20	64QAM	1	1	20.04	20.08	19.96	21.5	2.5	
20	256QAM	1	1	17.90	18.02	17.82	10.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.52	22.60	22.59	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	22.50	22.65	22.64	24.0	0.0	
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.52	22.57	22.63	24.0	0.0	

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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.37	23.42	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.15	23.26	23.18			
40	PI2 BPSK	1	214	23.26	23.39	23.23			
40	PI2 BPSK	108	0	22.84	22.95	22.93			0.5
40	PI2 BPSK	108	54	23.29	23.42	23.18	24.0	0.0	
40	PI2 BPSK	108	108	22.80	22.95	22.85	23.5	0.5	
40	PI2 BPSK	216	0	22.76	22.90	22.91			
40	QPSK	1	1	23.34	23.49	23.40	24.0	0.0	
40	QPSK	1	108	23.25	23.34	23.34			
40	QPSK	1	214	23.23	23.36	23.27			
40	QPSK	108	0	22.29	22.49	22.35			1.0
40	QPSK	108	54	23.26	23.41	23.38	24.0	0.0	
40	QPSK	108	108	22.23	22.45	22.23	23.0	1.0	
40	QPSK	216	0	22.42	22.45	22.28			
40	16QAM	1	1	22.62	22.76	22.71	23.0	1.0	
40	64QAM	1	1	20.70	20.75	20.71	21.5	2.5	
40	256QAM	1	1	18.66	18.83	18.77	10.5	4.5	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.26	23.41	23.33	24.0	0.0	
Channel				505500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.24	23.34	23.31	24.0	0.0	
Channel				506000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	23.29	23.42	23.29	24.0	0.0	
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.25	23.43	23.30	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.30	23.44	23.27	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.28	23.39	23.31	24.0	0.0	

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	PI2 BPSK	1	1	22.34	22.45	22.41	24.0	0.0	
40	PI2 BPSK	1	108	22.24	22.34	22.24			
40	PI2 BPSK	1	214	22.27	22.32	22.24			
40	PI2 BPSK	108	0	21.76	21.86	21.73			0.5
40	PI2 BPSK	108	54	22.16	22.31	22.19	24.0	0.0	
40	PI2 BPSK	108	108	21.80	21.90	21.81	23.5	0.5	
40	PI2 BPSK	216	0	21.83	21.92	21.81			
40	QPSK	1	1	22.33	22.49	22.38	24.0	0.0	
40	QPSK	1	108	22.31	22.41	22.30			
40	QPSK	1	214	22.33	22.37	22.33			
40	QPSK	108	0	21.30	21.41	21.30			1.0
40	QPSK	108	54	22.32	22.37	22.25	24.0	0.0	
40	QPSK	108	108	21.24	21.38	21.25	23.0	1.0	
40	QPSK	216	0	21.36	21.43	21.35			
40	16QAM	1	1	21.07	21.17	21.08	23.0	1.0	
40	64QAM	1	1	19.82	19.92	19.81	21.5	2.5	
40	256QAM	1	1	17.01	17.66	17.69	10.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.23	22.37	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.21	22.34	22.27	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.24	22.44	22.30	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.24	22.34	22.29	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.26	22.41	22.29	24.0	0.0	

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	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.06	23.14	22.99	24.0	0.0
40	PI/2 BPSK	1	53	22.91	23.13	22.87		
40	PI/2 BPSK	1	104	23.04	23.00	23.00		
40	PI/2 BPSK	50	0	22.47	22.55	22.54		
40	PI/2 BPSK	50	28	22.99	23.02	22.88	24.0	0.0
40	PI/2 BPSK	50	56	22.44	22.50	22.42	23.5	0.5
40	PI/2 BPSK	100	0	22.47	22.60	22.51		
40	QPSK	1	1	23.06	23.19	23.03	24.0	0.0
40	QPSK	1	53	22.95	22.99	22.91		
40	QPSK	1	104	22.89	23.03	22.92		
40	QPSK	50	0	21.99	22.03	21.87		
40	QPSK	50	28	22.92	23.03	23.01	24.0	0.0
40	QPSK	50	56	21.87	22.06	21.99	23.0	1.0
40	QPSK	100	0	22.00	22.10	21.93		
40	16QAM	1	1	21.86	21.96	21.97	23.0	1.0
40	64QAM	1	1	20.46	20.54	20.47	21.5	2.5
40	256QAM	1	1	18.14	18.29	18.16	19.5	4.5
Channel				517092	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	22.97	23.07	23.00	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	22.95	23.14	22.97	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0
15	QPSK	1	1	23.02	23.13	22.97	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0
10	QPSK	1	1	23.00	23.05	22.89	24.0	0.0

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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.01	23.09	23.08	24.0	0.0
100	PI/2 BPSK	1	137	23.04	23.12	23.10		
100	PI/2 BPSK	1	271	23.08	23.07	22.98		
100	PI/2 BPSK	135	0	22.46	22.49	22.40		
100	PI/2 BPSK	135	69	23.04	23.15	22.99	24.0	0.0
100	PI/2 BPSK	135	138	22.38	22.52	22.46	23.5	0.5
100	PI/2 BPSK	270	0	22.54	22.55	22.37		
100	QPSK	1	1	23.15	23.21	23.08	24.0	0.0
100	QPSK	1	137	23.02	23.05	22.98		
100	QPSK	1	271	23.07	23.17	23.07		
100	QPSK	135	0	21.94	21.95	21.87		
100	QPSK	135	69	23.15	23.21	23.02	24.0	0.0
100	QPSK	135	138	21.98	21.97	21.85	23.0	1.0
100	QPSK	270	0	21.91	21.96	21.93		
100	16QAM	1	1	22.04	21.99	21.92	23.0	1.0
100	64QAM	1	1	20.47	20.44	20.34	21.5	2.5
100	256QAM	1	1	18.78	18.80	18.72	19.5	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	23.00	23.07	22.99	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0
80	QPSK	1	1	23.09	23.13	23.03	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	23.01	23.15	23.04	24.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0
60	QPSK	1	1	23.06	23.10	23.04	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	23.07	23.17	23.03	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0
40	QPSK	1	1	23.10	23.12	22.95	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	23.01	23.08	23.03	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0
20	QPSK	1	1	23.06	23.17	23.00	24.0	0.0



n2 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
30	PIQ-BPSK	1	1	22.35	22.39	22.35	
30	PIQ-BPSK	1	53	22.31	22.42	22.37	24.0
30	PIQ-BPSK	1	104	22.31	22.37	22.35	
30	PIQ-BPSK	50	0	21.70	21.80	21.75	23.5
30	PIQ-BPSK	50	26	21.25	21.35	21.27	24.0
30	PIQ-BPSK	50	56	21.63	21.88	21.75	23.5
30	PIQ-BPSK	100	0	21.76	21.81	21.80	
30	QPSK	1	1	22.35	22.45	22.45	
30	QPSK	1	53	22.31	22.40	22.31	24.0
30	QPSK	1	104	22.34	22.43	22.35	
30	QPSK	50	0	21.28	21.42	21.35	23.0
30	QPSK	50	26	21.23	21.41	21.34	24.0
30	QPSK	50	56	21.31	21.34	21.35	23.0
30	QPSK	100	0	21.27	21.41	21.31	
30	16QAM	1	1	21.58	21.65	21.64	23.0
30	16QAM	1	1	19.79	19.84	19.71	21.5
30	16QAM	1	1	18.07	18.11	18.04	18.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.25	22.37	22.35	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.28	22.35	22.30	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.22	22.40	22.35	24.0

n5 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
30	PIQ-BPSK	1	1	22.32	22.36	22.35	
30	PIQ-BPSK	1	53	22.80	22.83	22.82	24.0
30	PIQ-BPSK	1	104	22.75	22.82	22.78	
30	PIQ-BPSK	50	0	22.45	22.52	22.48	23.5
30	PIQ-BPSK	50	26	22.38	22.51	22.45	24.0
30	PIQ-BPSK	50	56	22.42	22.47	22.45	23.5
30	PIQ-BPSK	100	0	22.45	22.51	22.48	
30	QPSK	1	1	22.31	22.35	22.31	
30	QPSK	1	53	22.80	22.84	22.81	24.0
30	QPSK	1	104	22.77	22.80	22.84	
30	QPSK	50	0	21.82	21.85	21.83	23.0
30	QPSK	50	26	21.88	21.85	21.84	24.0
30	QPSK	50	56	21.82	21.82	21.81	23.0
30	QPSK	100	0	21.82	22.00	21.81	
30	16QAM	1	1	21.83	21.89	21.85	23.0
30	16QAM	1	1	20.55	20.58	20.50	21.5
30	16QAM	1	1	18.24	18.26	18.23	18.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.30	22.35	22.34	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.85	22.95	22.72	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.87	22.84	22.73	24.0

n7 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
40	PIQ-BPSK	1	1	22.60	22.75	22.77	
40	PIQ-BPSK	1	104	22.67	22.76	22.72	24.0
40	PIQ-BPSK	1	214	22.58	22.67	22.65	
40	PIQ-BPSK	100	0	22.12	22.28	22.19	23.5
40	PIQ-BPSK	100	56	22.44	22.72	22.61	24.0
40	PIQ-BPSK	100	108	22.13	22.28	22.25	23.5
40	PIQ-BPSK	210	0	22.23	22.37	22.30	
40	QPSK	1	1	22.84	22.92	22.79	
40	QPSK	1	104	22.71	22.81	22.70	24.0
40	QPSK	1	214	22.72	22.77	22.84	
40	QPSK	100	0	21.88	21.81	21.89	23.0
40	QPSK	100	56	22.44	22.67	22.70	24.0
40	QPSK	100	108	21.72	21.79	21.74	23.0
40	QPSK	210	0	21.77	21.83	21.72	
40	16QAM	1	1	21.86	21.72	21.87	23.0
40	16QAM	1	1	20.27	20.34	20.25	21.5
40	16QAM	1	1	17.80	17.93	17.83	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.71	22.75	22.80	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.72	22.82	22.73	24.0
Channel							
Frequency (MHz)							
20	PIQ-BPSK	1	1	22.73	22.75	22.71	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.78	22.84	22.78	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.81	22.72	22.71	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.75	22.85	22.70	24.0

n66 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
40	PIQ-BPSK	1	1	22.82	22.91	22.78	
40	PIQ-BPSK	1	104	22.77	22.80	22.74	24.0
40	PIQ-BPSK	1	214	22.83	22.82	22.79	
40	PIQ-BPSK	100	0	22.28	22.31	22.20	23.5
40	PIQ-BPSK	100	56	22.85	22.89	22.75	24.0
40	PIQ-BPSK	100	108	22.32	22.49	22.34	23.5
40	PIQ-BPSK	210	0	22.38	22.48	22.34	
40	QPSK	1	1	22.84	22.95	22.85	
40	QPSK	1	104	22.78	22.80	22.87	24.0
40	QPSK	1	214	21.85	22.81	22.88	
40	QPSK	100	0	21.72	21.80	21.72	23.0
40	QPSK	100	56	22.71	22.80	22.81	24.0
40	QPSK	100	108	21.82	21.80	21.81	23.0
40	QPSK	210	0	21.86	22.81	21.81	
40	16QAM	1	1	21.50	21.73	21.50	23.0
40	16QAM	1	1	20.25	20.30	20.27	21.5
40	16QAM	1	1	18.01	18.11	18.04	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.71	22.50	22.84	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.75	22.80	22.84	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.81	22.85	22.89	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.72	22.80	22.78	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.70	22.87	22.88	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	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.41	22.45	22.31	24.0	0.0
40	PI/2 BPSK	1	53	22.36	22.42	22.37		
40	PI/2 BPSK	1	104	22.28	22.34	22.21		
40	PI/2 BPSK	50	0	21.71	21.84	21.70		
40	PI/2 BPSK	50	28	22.36	22.42	22.31	24.0	0.0
40	PI/2 BPSK	50	56	21.78	21.80	21.67	23.5	0.5
40	PI/2 BPSK	100	0	21.77	21.86	21.75		
40	QPSK	1	1	22.46	22.50	22.39	24.0	0.0
40	QPSK	1	53	22.24	22.39	22.25		
40	QPSK	1	104	22.37	22.44	22.36		
40	QPSK	50	0	21.30	21.35	21.27		
40	QPSK	50	28	22.43	22.44	22.33	24.0	0.0
40	QPSK	50	56	21.19	21.32	21.28	23.0	1.0
40	QPSK	100	0	21.26	21.38	21.35		
40	16QAM	1	1	21.40	21.48	21.35	23.0	1.0
40	64QAM	1	1	19.70	19.84	19.81	21.5	2.5
40	256QAM	1	1	17.96	18.02	17.93	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	22.44	22.42	22.30	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	22.30	22.27	22.30	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0
15	QPSK	1	1	22.34	22.30	22.27	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0
10	QPSK	1	1	22.32	22.47	22.35	24.0	0.0

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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.45	22.49	22.41	24.0	0.0
100	PI/2 BPSK	1	137	22.38	22.41	22.38		
100	PI/2 BPSK	1	271	22.30	22.44	22.32		
100	PI/2 BPSK	135	0	21.78	21.85	21.71		
100	PI/2 BPSK	135	69	22.37	22.44	22.40	24.0	0.0
100	PI/2 BPSK	135	138	21.84	21.88	21.76	23.5	0.5
100	PI/2 BPSK	270	0	21.84	21.94	21.88		
100	QPSK	1	1	22.43	22.52	22.39	24.0	0.0
100	QPSK	1	137	22.28	22.38	22.31		
100	QPSK	1	271	22.32	22.47	22.43		
100	QPSK	135	0	21.31	21.43	21.35		
100	QPSK	135	69	22.35	22.46	22.34	24.0	0.0
100	QPSK	135	138	21.28	21.33	21.23	23.0	1.0
100	QPSK	270	0	21.36	21.40	21.34		
100	16QAM	1	1	21.19	21.23	21.12	23.0	1.0
100	64QAM	1	1	19.85	19.99	19.84	21.5	2.5
100	256QAM	1	1	17.62	17.89	17.57	19.5	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	22.34	22.39	22.27	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0
80	QPSK	1	1	22.30	22.47	22.28	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	22.31	22.44	22.30	24.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0
60	QPSK	1	1	22.36	22.48	22.26	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	22.35	22.39	22.33	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0
40	QPSK	1	1	22.36	22.49	22.26	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	22.40	22.37	22.33	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0
20	QPSK	1	1	22.39	22.42	22.31	24.0	0.0

Part270 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.41	22.50	22.46	24.0	0.0
100	PI/2 BPSK	1	137	22.34	22.44	22.40		
100	PI/2 BPSK	1	271	22.44	22.48	22.41		
100	PI/2 BPSK	135	0	21.88	21.97	21.92		
100	PI/2 BPSK	135	69	22.44	22.52	22.46	24.0	0.0
100	PI/2 BPSK	135	138	21.87	22.00	21.97	23.5	0.5
100	PI/2 BPSK	270	0	21.99	22.03	21.90		
100	QPSK	1	1	22.52	22.57	22.47	24.0	0.0
100	QPSK	1	137	22.44	22.55	22.43		
100	QPSK	1	271	22.35	22.46	22.38		
100	QPSK	135	0	21.36	21.48	21.38		
100	QPSK	135	69	22.47	22.51	22.46	24.0	0.0
100	QPSK	135	138	21.37	21.44	21.33	23.0	1.0
100	QPSK	270	0	21.62	21.47	21.41		
100	16QAM	1	1	21.62	21.66	21.54	23.0	1.0
100	64QAM	1	1	19.59	19.73	19.62	21.5	2.5
100	256QAM	1	1	17.53	17.60	17.58	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	22.45	22.51	22.45	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.42	22.46	22.43	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.46	22.53	22.42	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.41	22.50	22.43	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.43	22.54	22.39	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.42	22.49	22.35	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.43	22.52	22.40	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.42	22.45	22.39	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.43	22.47	22.40	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.47	22.55	22.36	24.0	0.0

Part270 n77 PC2 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.42	25.50	25.46	27.0	0.0
100	PI/2 BPSK	1	137	25.33	25.43	25.33		
100	PI/2 BPSK	1	271	25.37	25.48	25.40		
100	PI/2 BPSK	135	0	24.94	24.98	24.87		
100	PI/2 BPSK	135	69	25.42	25.48	25.39	27.0	0.0
100	PI/2 BPSK	135	138	24.82	24.93	24.90	26.5	0.5
100	PI/2 BPSK	270	0	24.89	24.99	24.85		
100	QPSK	1	1	25.49	25.54	25.51	27.0	0.0
100	QPSK	1	137	25.40	25.53	25.40		
100	QPSK	1	271	25.37	25.47	25.42		
100	QPSK	135	0	24.41	24.47	24.41		
100	QPSK	135	69	25.32	25.45	25.35	27.0	0.0
100	QPSK	135	138	24.37	24.45	24.32	26.0	1.0
100	QPSK	270	0	24.41	24.48	24.42		
100	16QAM	1	1	24.46	24.52	24.42	26.0	1.0
100	64QAM	1	1	22.73	22.87	22.82	24.5	2.5
100	256QAM	1	1	20.53	20.61	20.56	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	25.39	25.42	25.36	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.35	25.52	25.42	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.39	25.40	25.41	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.42	25.45	25.49	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.42	25.49	25.44	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.46	25.48	25.46	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.45	25.43	25.47	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.44	25.41	25.38	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.34	25.51	25.40	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.42	25.39	25.40	27.0	0.0

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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.37				
100	PI/2 BPSK	1	137	22.29			24.0	0.0
100	PI/2 BPSK	1	271	22.32				
100	PI/2 BPSK	135	0	21.79			23.5	0.5
100	PI/2 BPSK	135	69	22.40			24.0	0.0
100	PI/2 BPSK	135	138	21.88			23.5	0.5
100	PI/2 BPSK	270	0	21.91				
100	QPSK	1	1	22.42				
100	QPSK	1	137	22.34			24.0	0.0
100	QPSK	1	271	22.31				
100	QPSK	135	0	21.23			23.0	1.0
100	QPSK	135	69	22.38			24.0	0.0
100	QPSK	135	138	21.37			23.0	1.0
100	QPSK	270	0	21.41				
100	16QAM	1	1	21.66			23.0	1.0
100	64QAM	1	1	19.81			21.5	2.5
100	256QAM	1	1	17.75			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	22.28	22.39	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.30	22.33	22.39	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.32	22.36	22.30	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.33	22.31	22.38	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.37	22.35	22.35	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.32	22.37	22.37	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.30	22.34	22.39	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.30	22.28	22.39	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.28	22.40	22.33	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.31	22.39	22.33	24.0	0.0

Part270 n78 PC2 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	25.44				
100	PI/2 BPSK	1	137	25.41			27.0	0.0
100	PI/2 BPSK	1	271	25.35				
100	PI/2 BPSK	135	0	24.91			26.5	0.5
100	PI/2 BPSK	135	69	25.39			27.0	0.0
100	PI/2 BPSK	135	138	24.92			26.5	0.5
100	PI/2 BPSK	270	0	24.95				
100	QPSK	1	1	25.48				
100	QPSK	1	137	25.38			27.0	0.0
100	QPSK	1	271	25.45				
100	QPSK	135	0	24.32			26.0	1.0
100	QPSK	135	69	25.43			27.0	0.0
100	QPSK	135	138	24.38			26.0	1.0
100	QPSK	270	0	24.41				
100	16QAM	1	1	24.22			26.0	1.0
100	64QAM	1	1	23.09			24.5	2.5
100	256QAM	1	1	20.33			22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.43	25.41	25.46	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.35	25.37	25.37	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.35	25.42	25.42	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.43	25.44	25.39	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.40	25.35	25.43	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.43	25.40	25.37	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.44	25.41	25.43	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.35	25.43	25.37	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.42	25.39	25.38	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.44	25.42	25.41	27.0	0.0

Part270 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	21.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.83	20.87	20.82	21.5	0.0
100	PI/2 BPSK	1	137	20.70	20.79	20.74		
100	PI/2 BPSK	1	271	20.25	20.35	20.29		
100	PI/2 BPSK	135	0	20.25	20.32	20.24		
100	PI/2 BPSK	135	69	20.61	20.69	20.64	21.5	0.0
100	PI/2 BPSK	135	138	19.88	19.96	19.90	21.0	0.5
100	PI/2 BPSK	270	0	20.10	20.15	20.05		
100	QPSK	1	1	20.95	20.95	20.79	21.5	0.0
100	QPSK	1	137	20.71	20.77	20.73		
100	QPSK	1	271	20.35	20.41	20.37		
100	QPSK	135	0	19.77	19.86	19.79		
100	QPSK	135	69	20.64	20.68	20.58	21.5	0.0
100	QPSK	135	138	19.37	19.46	19.41	20.5	1.0
100	QPSK	270	0	19.60	19.67	19.62		
100	16QAM	1	1	19.90	19.94	19.86	20.5	1.0
100	64QAM	1	1	18.39	18.43	18.38	19.0	2.5
100	256QAM	1	1	16.08	16.16	16.07	17.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	21.5	0.0
90	QPSK	1	1	20.46	20.51	20.45	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	21.5	0.0
80	QPSK	1	1	20.47	20.48	20.46	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	21.5	0.0
70	QPSK	1	1	20.44	20.53	20.49	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	21.5	0.0
60	QPSK	1	1	20.43	20.50	20.48	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	21.5	0.0
50	QPSK	1	1	20.44	20.47	20.46	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	21.5	0.0
40	QPSK	1	1	20.45	20.50	20.47	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	21.5	0.0
30	QPSK	1	1	20.45	20.51	20.46	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	21.5	0.0
20	QPSK	1	1	20.44	20.52	20.48	21.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	21.5	0.0
15	QPSK	1	1	20.45	20.48	20.44	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	21.5	0.0
10	QPSK	1	1	20.44	20.47	20.45	21.5	0.0

Part270 n77 PC2 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	24.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.70	23.78	23.69	24.5	0.0
100	PI/2 BPSK	1	137	23.59	23.67	23.58		
100	PI/2 BPSK	1	271	23.19	23.26	23.20		
100	PI/2 BPSK	135	0	23.22	23.29	23.21		
100	PI/2 BPSK	135	69	23.52	23.61	23.54	24.5	0.0
100	PI/2 BPSK	135	138	22.84	22.91	22.83	24.0	0.5
100	PI/2 BPSK	270	0	22.99	23.06	22.99		
100	QPSK	1	1	23.71	23.82	23.79	24.5	0.0
100	QPSK	1	137	23.43	23.53	23.48		
100	QPSK	1	271	23.11	23.16	23.07		
100	QPSK	135	0	22.71	22.79	22.73		
100	QPSK	135	69	23.54	23.63	23.53	24.5	0.0
100	QPSK	135	138	22.29	22.37	22.30	23.5	1.0
100	QPSK	270	0	22.49	22.56	22.48		
100	16QAM	1	1	22.50	22.54	22.46	23.5	1.0
100	64QAM	1	1	20.72	20.77	20.73	22.0	2.5
100	256QAM	1	1	18.57	18.66	18.58	20.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	22.87	24.5
90	QPSK	1	1	22.87	22.89	22.82	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	22.86	24.5
80	QPSK	1	1	22.86	22.87	22.83	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	22.81	24.5
70	QPSK	1	1	22.81	22.91	22.80	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	22.84	24.5
60	QPSK	1	1	22.84	22.87	22.81	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	22.84	24.5
50	QPSK	1	1	22.84	22.91	22.79	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	22.83	24.5
40	QPSK	1	1	22.83	22.92	22.81	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	22.81	24.5
30	QPSK	1	1	22.81	22.90	22.79	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	22.82	24.5
20	QPSK	1	1	22.82	22.92	22.78	24.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	22.85	24.5
15	QPSK	1	1	22.85	22.91	22.80	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	22.85	24.5
10	QPSK	1	1	22.85	22.89	22.82	24.5	0.0

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	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.17		24.0	0.0	
100	PI/2 BPSK	1	137		23.13				
100	PI/2 BPSK	1	271		23.04				
100	PI/2 BPSK	135	0		22.53		23.5	0.5	
100	PI/2 BPSK	135	69		23.12		24.0	0.0	
100	PI/2 BPSK	135	138		22.58		23.5	0.5	
100	PI/2 BPSK	270	0		22.62				
100	QPSK	1	1		23.20				
100	QPSK	1	137		23.07		24.0	0.0	
100	QPSK	1	271		23.07				
100	QPSK	135	0		22.05				
100	QPSK	135	69		23.11		23.0	1.0	
100	QPSK	135	138		22.07		24.0	0.0	
100	QPSK	270	0		22.12		23.0	1.0	
100	16QAM	1	1		22.34		23.0	1.0	
100	64QAM	1	1		20.21		21.5	2.5	
100	256QAM	1	1		18.67		19.5	4.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		23.09	23.16	23.07	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		23.12	23.05	23.08	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		23.12	23.14	23.06	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		23.06	23.08	23.15	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		23.10	23.15	23.10	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		23.11	23.12	23.10	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		23.05	23.17	23.10	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		23.15	23.10	23.13	24.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		23.16	23.06	23.13	24.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		23.13	23.11	23.11	24.0	0.0

Part270 n78 PC2 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	3750	3750			
100	PI/2 BPSK	1	1		26.12				
100	PI/2 BPSK	1	137		25.99		27.0	0.0	
100	PI/2 BPSK	1	271		25.92				
100	PI/2 BPSK	135	0		25.46		26.5	0.5	
100	PI/2 BPSK	135	69		25.91		27.0	0.0	
100	PI/2 BPSK	135	138		25.43		26.5	0.5	
100	PI/2 BPSK	270	0		25.55				
100	QPSK	1	1		26.18				
100	QPSK	1	137		26.03		27.0	0.0	
100	QPSK	1	271		25.95				
100	QPSK	135	0		25.02		26.0	1.0	
100	QPSK	135	69		25.99		27.0	0.0	
100	QPSK	135	138		24.97		26.0	1.0	
100	QPSK	270	0		25.00				
100	16QAM	1	1		24.94		26.0	1.0	
100	64QAM	1	1		22.73		24.5	2.5	
100	256QAM	1	1		20.92		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		26.14	26.09	26.11	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		26.15	26.13	26.13	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		26.04	26.12	26.05	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		26.07	26.03	26.12	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		26.05	26.05	26.13	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		26.09	26.07	26.14	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		26.08	26.14	26.14	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		26.10	26.08	26.15	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		26.13	26.10	26.05	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		26.08	26.03	26.10	27.0	0.0

Part270 n77 Ant 5

BW [MHz]	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	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.05	20.13	20.07	21.0	0.0
100	PI/2 BPSK	1	137	20.08	20.16	20.09		
100	PI/2 BPSK	1	271	19.62	19.68	19.62		
100	PI/2 BPSK	135	0	19.44	19.53	19.47		
100	PI/2 BPSK	135	69	19.67	19.76	19.72	21.0	0.0
100	PI/2 BPSK	135	138	19.07	19.11	19.01	20.5	0.5
100	PI/2 BPSK	270	0	19.22	19.29	19.20		
100	QPSK	1	1	20.09	20.19	20.11	21.0	0.0
100	QPSK	1	137	20.01	20.09	20.01		
100	QPSK	1	271	19.61	19.65	19.57		
100	QPSK	135	0	18.86	18.92	18.84		
100	QPSK	135	69	19.71	19.80	19.75	21.0	0.0
100	QPSK	135	138	18.55	18.64	18.56	20.0	1.0
100	QPSK	270	0	18.33	18.76	18.71		
100	16QAM	1	1	19.43	19.42	19.37	20.0	1.0
100	64QAM	1	1	17.43	17.48	17.38	18.5	2.5
100	256QAM	1	1	15.41	15.49	15.42	16.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.80	19.95	19.84	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.81	19.93	19.85	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.79	19.93	19.84	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.81	19.80	19.85	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.82	19.95	19.85	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.81	19.90	19.82	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.82	19.92	19.83	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.81	19.94	19.83	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	19.83	19.93	19.86	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.83	19.94	19.83	23.0	0.0

Part270 n77 PC2 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.96	23.04	23.00	24.0	0.0
100	PI/2 BPSK	1	137	22.94	23.01	22.95		
100	PI/2 BPSK	1	271	22.73	22.81	22.71		
100	PI/2 BPSK	135	0	22.38	22.43	22.34		
100	PI/2 BPSK	135	69	22.77	22.86	22.78	24.0	0.0
100	PI/2 BPSK	135	138	22.06	22.15	22.10	23.5	0.5
100	PI/2 BPSK	270	0	22.19	22.27	22.17		
100	QPSK	1	1	23.01	23.09	23.07	24.0	0.0
100	QPSK	1	137	22.87	22.94	22.85		
100	QPSK	1	271	22.80	22.89	22.82		
100	QPSK	135	0	21.91	21.95	21.87		
100	QPSK	135	69	22.75	22.83	22.73	24.0	0.0
100	QPSK	135	138	21.48	21.54	21.48	23.0	1.0
100	QPSK	270	0	21.70	21.76	21.70		
100	16QAM	1	1	21.88	21.96	21.92	23.0	1.0
100	64QAM	1	1	20.34	20.41	20.33	21.5	2.5
100	256QAM	1	1	18.34	18.39	18.29	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	22.80	22.84	22.54	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.85	22.82	22.52	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.85	22.85	22.57	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.89	22.83	22.56	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.81	22.85	22.57	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.82	22.82	22.56	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.81	22.84	22.53	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.83	22.80	22.57	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.84	22.82	22.56	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.81	22.84	22.56	24.0	0.0

Part270 n78 Ant 5

BW [MHz]	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	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.08			
100	PI/2 BPSK	1	137		23.05			
100	PI/2 BPSK	1	271		22.89			
100	PI/2 BPSK	135	0		22.53		23.5	0.5
100	PI/2 BPSK	135	69		23.05		24.0	0.0
100	PI/2 BPSK	135	138		22.45		23.5	0.5
100	PI/2 BPSK	270	0		22.52			
100	QPSK	1	1		23.19			
100	QPSK	1	137		23.12		24.0	0.0
100	QPSK	1	271		22.92			
100	QPSK	135	0		22.01		23.0	1.0
100	QPSK	135	69		23.09		24.0	0.0
100	QPSK	135	138		21.92		23.0	1.0
100	QPSK	270	0		22.01			
100	16QAM	1	1		22.12		23.0	1.0
100	64QAM	1	1		20.53		21.5	2.5
100	256QAM	1	1		18.64		19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0
90	QPSK	1	1		23.00	23.00	23.15	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0
80	QPSK	1	1		23.13	23.11	23.00	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	24.0	0.0
70	QPSK	1	1		23.00	23.07	23.00	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0
60	QPSK	1	1		23.00	23.04	23.13	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0
50	QPSK	1	1		23.12	23.14	23.13	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.0	0.0
40	QPSK	1	1		23.00	23.13	23.10	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0
30	QPSK	1	1		23.13	23.15	23.07	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1		23.12	23.08	23.15	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51	24.0	0.0
15	QPSK	1	1		23.12	23.12	23.11	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	24.0	0.0
10	QPSK	1	1		23.14	23.05	23.09	0.0

Part270 n78 PC2 Ant 5

BW [MHz]	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	27.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		25.97			
100	PI/2 BPSK	1	137		26.02			
100	PI/2 BPSK	1	271		25.81			
100	PI/2 BPSK	135	0		25.48		26.5	0.5
100	PI/2 BPSK	135	69		25.94		27.0	0.0
100	PI/2 BPSK	135	138		25.34		26.5	0.5
100	PI/2 BPSK	270	0		25.42			
100	QPSK	1	1		26.04			
100	QPSK	1	137		25.96		27.0	0.0
100	QPSK	1	271		25.77			
100	QPSK	135	0		25.07		26.0	1.0
100	QPSK	135	69		25.96		27.0	0.0
100	QPSK	135	138		24.88		26.0	1.0
100	QPSK	270	0		24.94			
100	16QAM	1	1		24.92		26.0	1.0
100	64QAM	1	1		22.63		24.5	2.5
100	256QAM	1	1		20.77		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0
90	QPSK	1	1		25.90	25.89	25.99	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0
80	QPSK	1	1		25.90	25.93	25.93	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	27.0	0.0
70	QPSK	1	1		26.01	26.00	25.91	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0
60	QPSK	1	1		25.90	26.00	25.92	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0
50	QPSK	1	1		25.90	25.93	25.95	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	27.0	0.0
40	QPSK	1	1		25.90	25.96	25.90	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	27.0	0.0
30	QPSK	1	1		25.93	25.98	26.01	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0
20	QPSK	1	1		26.01	25.92	25.93	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51	27.0	0.0
15	QPSK	1	1		26.00	25.97	25.94	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	27.0	0.0
10	QPSK	1	1		25.99	25.95	25.99	0.0

Part270 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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.03	22.09	22.08	23.0	0.0
100	PI/2 BPSK	1	137	21.84	21.99	21.91		
100	PI/2 BPSK	1	271	21.86	21.87	21.80		
100	PI/2 BPSK	135	0	21.29	21.45	21.41		
100	PI/2 BPSK	135	69	21.79	21.93	21.83	23.0	0.0
100	PI/2 BPSK	135	138	21.38	21.32	21.31	22.5	0.5
100	PI/2 BPSK	270	0	21.37	21.54	21.38		
100	QPSK	1	1	22.12	22.22	22.08	23.0	0.0
100	QPSK	1	137	22.10	22.11	22.01		
100	QPSK	1	271	21.90	22.08	22.00		
100	QPSK	135	0	20.82	20.96	20.82		
100	QPSK	135	69	21.87	21.69	21.81	23.0	0.0
100	QPSK	135	138	20.84	20.86	20.82	22.0	1.0
100	QPSK	270	0	20.87	20.96	20.82		
100	16QAM	1	1	21.08	21.09	21.04	22.0	1.0
100	64QAM	1	1	19.51	19.50	19.55	20.5	2.5
100	256QAM	1	1	17.14	17.10	17.00	18.5	4.5
Channel				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.00	22.00	22.01	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.00	22.10	21.90	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.02	22.15	22.00	23.0	0.0
Channel				648868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.08	22.07	22.02	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.00	22.12	22.02	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.99	22.15	21.96	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.07	22.14	21.97	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.05	22.19	22.01	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	22.02	22.16	21.98	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.03	22.11	22.04	23.0	0.0

Part270 n77 PC2 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	26.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.94	24.87	24.89	26.0	0.0
100	PI/2 BPSK	1	137	24.81	24.88	24.79		
100	PI/2 BPSK	1	271	24.70	24.93	24.84		
100	PI/2 BPSK	135	0	24.27	24.33	24.27		
100	PI/2 BPSK	135	69	24.72	24.82	24.73	25.5	0.5
100	PI/2 BPSK	135	138	24.06	24.17	24.14	25.5	0.5
100	PI/2 BPSK	270	0	24.20	24.33	24.30		
100	QPSK	1	1	24.97	25.06	25.00	26.0	0.0
100	QPSK	1	137	24.81	24.91	24.89		
100	QPSK	1	271	24.82	24.84	24.71		
100	QPSK	135	0	23.83	23.91	23.82		
100	QPSK	135	69	24.91	24.92	24.77	25.0	0.0
100	QPSK	135	138	23.71	23.77	23.59	25.0	1.0
100	QPSK	270	0	23.80	23.82	23.77		
100	16QAM	1	1	23.96	24.02	23.87	25.0	1.0
100	64QAM	1	1	22.29	22.33	22.40	23.5	2.5
100	256QAM	1	1	20.03	20.28	20.13	21.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.87	24.98	24.94	26.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.84	24.94	24.93	26.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.92	24.92	24.87	26.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.89	24.95	24.94	26.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.92	25.03	24.89	26.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.94	25.00	24.92	26.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.82	25.03	24.88	26.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.90	24.92	24.91	26.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.93	24.98	24.93	26.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.84	24.95	24.87	26.0	0.0

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	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.03			
100	PI/2 BPSK	1	137		22.95			
100	PI/2 BPSK	1	271		22.88			
100	PI/2 BPSK	135	0		22.55		23.5	0.5
100	PI/2 BPSK	135	69		22.95		24.0	0.0
100	PI/2 BPSK	135	138		22.40		23.5	0.5
100	PI/2 BPSK	270	0		22.42			
100	QPSK	1	1		23.07			
100	QPSK	1	137		23.03		24.0	0.0
100	QPSK	1	271		22.79			
100	QPSK	135	0		22.02		23.0	1.0
100	QPSK	135	69		23.05		24.0	0.0
100	QPSK	135	138		21.88		23.0	1.0
100	QPSK	270	0		21.83			
100	16QAM	1	1		21.92		23.0	1.0
100	64QAM	1	1		20.38		21.5	2.5
100	256QAM	1	1		18.10		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		22.90	23.02	22.97	24.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		22.90	22.97	22.97	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		22.88	22.97	22.99	24.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		23.00	22.96	22.98	24.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		22.88	22.96	23.03	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		23.02	23.01	22.94	24.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		23.01	23.04	22.94	24.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		22.99	22.95	23.02	24.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		22.93	22.93	22.99	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		22.96	22.99	23.04	24.0

Part270 n78 PC2 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	27.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		25.95			
100	PI/2 BPSK	1	137		26.03			
100	PI/2 BPSK	1	271		25.94			
100	PI/2 BPSK	135	0		25.53		26.5	0.5
100	PI/2 BPSK	135	69		25.99		27.0	0.0
100	PI/2 BPSK	135	138		25.27		26.5	0.5
100	PI/2 BPSK	270	0		25.38			
100	QPSK	1	1		26.10			
100	QPSK	1	137		25.99		27.0	0.0
100	QPSK	1	271		25.90			
100	QPSK	135	0		25.00		26.0	1.0
100	QPSK	135	69		26.07		27.0	0.0
100	QPSK	135	138		24.69		26.0	1.0
100	QPSK	270	0		24.86			
100	16QAM	1	1		24.97		26.0	1.0
100	64QAM	1	1		23.33		24.5	2.5
100	256QAM	1	1		21.34		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		26.04	26.02	26.00	27.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		26.05	25.95	25.95	27.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		26.00	25.98	26.03	27.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		26.05	26.05	25.95	27.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		26.02	26.06	26.01	27.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		26.03	26.02	25.97	27.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		26.05	26.00	26.05	27.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		26.04	26.05	26.01	27.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		26.01	25.96	25.97	27.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		26.03	25.97	25.98	27.0



Reduced Power Mode for DSI 2

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				166800	167300	167800		
Frequency (MHz)				834	839.5	845		
20	PV2 BPSK	1	1	22.62	22.66	22.54	24.0	0.0
20	PV2 BPSK	1	53	22.45	22.58	22.51		
20	PV2 BPSK	1	104	22.29	22.36	22.28		
20	PV2 BPSK	50	0	22.01	22.16	22.04	23.5	0.5
20	PV2 BPSK	50	28	22.53	22.64	22.55	24.0	0.0
20	PV2 BPSK	50	56	22.02	22.11	22.01	23.5	0.5
20	PV2 BPSK	100	0	22.10	22.19	22.05		
20	QPSK	1	1	22.63	22.72	22.71		
20	QPSK	1	53	22.50	22.63	22.55	24.0	0.0
20	QPSK	1	104	22.37	22.47	22.34		
20	QPSK	50	0	21.52	21.58	21.45	23.0	1.0
20	QPSK	50	28	22.55	22.67	22.62	24.0	0.0
20	QPSK	50	56	21.49	21.54	21.48	23.0	1.0
20	QPSK	100	0	21.64	21.69	21.60		
20	16QAM	1	1	21.37	21.51	21.44	23.0	1.0
20	64QAM	1	1	20.04	20.08	19.96	21.5	2.5
20	256QAM	1	1	17.90	18.02	17.92	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.52	22.60	22.59	24.0	0.0
Channel				165200	167200	168200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.50	22.65	22.64	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828.5	839.5	848.5		
5	QPSK	1	1	22.52	22.57	22.63	24.0	0.0

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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PV2 BPSK	1	1	23.37	23.42	23.32	24.0	0.0
40	PV2 BPSK	1	108	23.15	23.26	23.18		
40	PV2 BPSK	1	214	23.28	23.38	23.23		
40	PV2 BPSK	108	0	22.84	22.95	22.93	23.5	0.5
40	PV2 BPSK	108	54	23.29	23.42	23.18	24.0	0.0
40	PV2 BPSK	108	108	22.80	22.95	22.85	23.5	0.5
40	PV2 BPSK	216	0	22.76	22.90	22.91		
40	QPSK	1	1	23.34	23.48	23.40		
40	QPSK	1	108	23.25	23.34	23.34	24.0	0.0
40	QPSK	1	214	23.23	23.36	23.27		
40	QPSK	108	0	22.26	22.49	22.35	23.0	1.0
40	QPSK	108	54	23.26	23.41	23.38	24.0	0.0
40	QPSK	108	108	22.23	22.45	22.23	23.0	1.0
40	QPSK	216	0	22.42	22.45	22.26		
40	16QAM	1	1	22.82	22.76	22.71		
40	64QAM	1	1	20.70	20.75	20.71	21.5	2.5
40	256QAM	1	1	18.65	18.83	18.77	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.26	23.41	23.33	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.24	23.34	23.31	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PV2 BPSK	1	1	23.29	23.42	23.25	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.25	23.43	23.30	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.30	23.44	23.27	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.28	23.39	23.31	24.0	0.0

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	PV2 BPSK	1	1	22.34	22.45	22.41	24.0	0.0
40	PV2 BPSK	1	108	22.24	22.36	22.24		
40	PV2 BPSK	1	214	22.27	22.32	22.24		
40	PV2 BPSK	108	0	21.76	21.86	21.73	23.5	0.5
40	PV2 BPSK	108	54	22.18	22.31	22.15	24.0	0.0
40	PV2 BPSK	108	108	21.90	21.90	21.81	23.5	0.5
40	PV2 BPSK	216	0	21.83	21.92	21.81		
40	QPSK	1	1	22.33	22.49	22.38		
40	QPSK	1	108	22.31	22.41	22.30	24.0	0.0
40	QPSK	1	214	22.33	22.37	22.33		
40	QPSK	108	0	21.30	21.41	21.30	23.0	1.0
40	QPSK	108	54	22.32	22.37	22.25	24.0	0.0
40	QPSK	108	108	21.24	21.38	21.25	23.0	1.0
40	QPSK	216	0	21.36	21.43	21.35		
40	16QAM	1	1	21.07	21.17	21.08		
40	64QAM	1	1	19.82	19.92	19.81	21.5	2.5
40	256QAM	1	1	17.61	17.65	17.59	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.23	22.37	22.31	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.21	22.34	22.27	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.24	22.44	22.30	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.24	22.34	22.29	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.20	22.41	22.25	24.0	0.0

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	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.06	23.14	22.99	24.0	0.0
40	PI/2 BPSK	1	53	22.91	23.13	22.87		
40	PI/2 BPSK	1	104	23.04	23.00	23.00		
40	PI/2 BPSK	50	0	22.47	22.55	22.54		
40	PI/2 BPSK	50	28	22.99	23.02	22.88	24.0	0.0
40	PI/2 BPSK	50	56	22.44	22.50	22.42	23.5	0.5
40	PI/2 BPSK	100	0	22.47	22.60	22.51		
40	QPSK	1	1	23.06	23.19	23.03	24.0	0.0
40	QPSK	1	53	22.95	22.99	22.91		
40	QPSK	1	104	22.89	23.03	22.92		
40	QPSK	50	0	21.99	22.03	21.87		
40	QPSK	50	28	22.92	23.03	23.01	24.0	0.0
40	QPSK	50	56	21.87	22.06	21.99	23.0	1.0
40	QPSK	100	0	22.00	22.10	21.93		
40	16QAM	1	1	21.88	21.96	21.97	23.0	1.0
40	64QAM	1	1	20.46	20.54	20.47	21.5	2.5
40	256QAM	1	1	18.14	18.29	18.16	19.5	4.5
Channel				517092	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	23.00	0.0
30	QPSK	1	1	22.97	23.07	23.00	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	22.95	23.14	22.97	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0
15	QPSK	1	1	23.02	23.13	22.97	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0
10	QPSK	1	1	23.00	23.05	22.89	24.0	0.0

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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.01	23.09	23.08	24.0	0.0
100	PI/2 BPSK	1	137	23.04	23.12	23.10		
100	PI/2 BPSK	1	271	23.08	23.07	22.98		
100	PI/2 BPSK	135	0	22.46	22.49	22.40		
100	PI/2 BPSK	135	69	23.04	23.15	22.99	24.0	0.0
100	PI/2 BPSK	135	138	22.38	22.52	22.46	23.5	0.5
100	PI/2 BPSK	270	0	22.54	22.55	22.37		
100	QPSK	1	1	23.15	23.21	23.08	24.0	0.0
100	QPSK	1	137	23.02	23.05	22.98		
100	QPSK	1	271	23.07	23.17	23.07		
100	QPSK	135	0	21.94	21.95	21.87		
100	QPSK	135	69	23.15	23.21	23.02	24.0	0.0
100	QPSK	135	138	21.98	21.97	21.85	23.0	1.0
100	QPSK	270	0	21.91	21.96	21.93		
100	16QAM	1	1	22.04	21.99	21.92	23.0	1.0
100	64QAM	1	1	20.47	20.44	20.34	21.5	2.5
100	256QAM	1	1	18.78	18.80	18.72	19.5	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	23.00	0.0
90	QPSK	1	1	23.00	23.07	22.99	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0
80	QPSK	1	1	23.09	23.13	23.03	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	23.01	23.15	23.04	24.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0
60	QPSK	1	1	23.06	23.10	23.04	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	23.07	23.17	23.03	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0
40	QPSK	1	1	23.10	23.12	22.95	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	23.01	23.08	23.03	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0
20	QPSK	1	1	23.06	23.17	23.00	24.0	0.0

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	16.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	14.75	14.91	14.70	16.0	0.0
40	PI/2 BPSK	1	53	14.79	14.88	14.70		
40	PI/2 BPSK	1	104	14.72	14.92	14.79		
40	PI/2 BPSK	50	0	14.77	14.85	14.77	16.0	0.0
40	PI/2 BPSK	50	28	14.74	14.88	14.80	16.0	0.0
40	PI/2 BPSK	50	56	14.83	14.92	14.79	16.0	0.0
40	PI/2 BPSK	100	0	14.73	14.86	14.74		
40	QPSK	1	1	14.92	15.00	14.84		
40	QPSK	1	53	14.83	14.86	14.72	16.0	0.0
40	QPSK	1	104	14.77	14.87	14.76		
40	QPSK	50	0	14.79	14.79	14.72	16.0	0.0
40	QPSK	50	28	14.74	14.87	14.77	16.0	0.0
40	QPSK	50	56	14.82	14.82	14.77	16.0	0.0
40	QPSK	100	0	14.71	14.77	14.75		
40	16QAM	1	1	14.82	14.93	14.75	16.0	0.0
40	64QAM	1	1	14.72	14.84	14.72	16.0	0.0
40	256QAM	1	1	14.78	14.87	14.72	16.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	16.0	0.0
30	QPSK	1	1	14.60	14.80	14.69	16.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	16.0	0.0
20	QPSK	1	1	14.50	14.71	14.67	16.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	16.0	0.0
15	QPSK	1	1	14.60	14.77	14.62	16.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	16.0	0.0
10	QPSK	1	1	14.64	14.78	14.57	16.0	0.0

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	16.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.89	14.97	14.79	16.0	0.0
100	PI/2 BPSK	1	137	14.90	14.96	14.80		
100	PI/2 BPSK	1	271	14.84	14.98	14.87		
100	PI/2 BPSK	135	0	14.84	14.91	14.85	16.0	0.0
100	PI/2 BPSK	135	69	14.86	14.96	14.84	16.0	0.0
100	PI/2 BPSK	135	138	14.86	15.00	14.86	16.0	0.0
100	PI/2 BPSK	270	0	14.86	14.97	14.86		
100	QPSK	1	1	14.97	15.06	14.93		
100	QPSK	1	137	14.90	15.01	14.78	16.0	0.0
100	QPSK	1	271	14.88	14.95	14.80		
100	QPSK	135	0	14.83	14.92	14.82	16.0	0.0
100	QPSK	135	69	14.87	14.94	14.84	16.0	0.0
100	QPSK	135	138	14.87	14.93	14.82	16.0	0.0
100	QPSK	270	0	14.84	14.92	14.88		
100	16QAM	1	1	14.92	15.01	14.90	16.0	0.0
100	64QAM	1	1	14.83	14.98	14.78	16.0	0.0
100	256QAM	1	1	14.91	14.92	14.83	16.0	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	16.0	0.0
90	QPSK	1	1	14.91	14.98	14.88	16.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	16.0	0.0
80	QPSK	1	1	14.85	14.99	14.88	16.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	16.0	0.0
70	QPSK	1	1	14.83	14.95	14.81	16.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	16.0	0.0
60	QPSK	1	1	14.93	15.03	14.89	16.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	16.0	0.0
50	QPSK	1	1	14.86	14.98	14.81	16.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	16.0	0.0
40	QPSK	1	1	14.91	14.94	14.80	16.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	16.0	0.0
30	QPSK	1	1	14.91	14.95	14.80	16.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	16.0	0.0
20	QPSK	1	1	14.82	14.98	14.87	16.0	0.0

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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	10.48			11.6	0.0
100	PI/2 BPSK	1	137	10.46				
100	PI/2 BPSK	1	271	10.48				
100	PI/2 BPSK	135	0	10.49				
100	PI/2 BPSK	135	69	10.49			11.6	0.0
100	PI/2 BPSK	135	138	10.50			11.6	0.0
100	PI/2 BPSK	270	0	10.47				
100	QPSK	1	1	10.58			11.6	0.0
100	QPSK	1	137	10.45				
100	QPSK	1	271	10.52				
100	QPSK	135	0	10.46				
100	QPSK	135	69	10.51			11.6	0.0
100	QPSK	135	138	10.45			11.6	0.0
100	QPSK	270	0	10.44				
100	16QAM	1	1	10.49			11.6	0.0
100	64QAM	1	1	10.49			11.6	0.0
100	256QAM	1	1	10.51			11.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	11.6	0.0
90	QPSK	1	1	10.40	10.47	10.28	11.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	11.6	0.0
80	QPSK	1	1	10.43	10.40	10.33	11.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	11.6	0.0
70	QPSK	1	1	10.46	10.40	10.32	11.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	11.6	0.0
60	QPSK	1	1	10.43	10.48	10.31	11.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	11.6	0.0
50	QPSK	1	1	10.41	10.50	10.31	11.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	11.6	0.0
40	QPSK	1	1	10.41	10.40	10.32	11.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	11.6	0.0
30	QPSK	1	1	10.44	10.48	10.30	11.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	11.6	0.0
20	QPSK	1	1	10.45	10.45	10.32	11.6	0.0
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51	11.6	0.0
15	QPSK	1	1	10.46	10.47	10.33	11.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	11.6	0.0
10	QPSK	1	1	10.41	10.48	10.29	11.6	0.0

Part270 n78 PC2 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	13.49			14.6	0.0
100	PI/2 BPSK	1	137	13.49				
100	PI/2 BPSK	1	271	13.46				
100	PI/2 BPSK	135	0	13.49				
100	PI/2 BPSK	135	69	13.44			14.6	0.0
100	PI/2 BPSK	135	138	13.46				
100	PI/2 BPSK	270	0	13.46			14.6	0.0
100	QPSK	1	1	13.54				
100	QPSK	1	137	13.43				
100	QPSK	1	271	13.50				
100	QPSK	135	0	13.44				
100	QPSK	135	69	13.54			14.6	0.0
100	QPSK	135	138	13.43				
100	QPSK	270	0	13.47			14.6	0.0
100	16QAM	1	1	13.50				
100	64QAM	1	1	13.49				
100	256QAM	1	1	13.48				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	14.6	0.0
90	QPSK	1	1	13.40	13.46	13.36	14.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	14.6	0.0
80	QPSK	1	1	13.38	13.45	13.32	14.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	14.6	0.0
70	QPSK	1	1	13.37	13.43	13.32	14.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	14.6	0.0
60	QPSK	1	1	13.41	13.44	13.35	14.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	14.6	0.0
50	QPSK	1	1	13.41	13.44	13.33	14.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	14.6	0.0
40	QPSK	1	1	13.38	13.47	13.32	14.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	14.6	0.0
30	QPSK	1	1	13.39	13.47	13.33	14.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	14.6	0.0
20	QPSK	1	1	13.35	13.45	13.36	14.6	0.0
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51	14.6	0.0
15	QPSK	1	1	13.37	13.47	13.36	14.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	14.6	0.0
10	QPSK	1	1	13.36	13.43	13.34	14.6	0.0

Part270 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	13.63	13.68	13.57	14.7	0.0
100	PI/2 BPSK	1	137	13.63	13.64	13.55		
100	PI/2 BPSK	1	271	13.62	13.63	13.51		
100	PI/2 BPSK	135	0	13.64	13.72	13.48		
100	PI/2 BPSK	135	69	13.64	13.65	13.53	14.7	0.0
100	PI/2 BPSK	135	138	13.66	13.64	13.49	14.7	0.0
100	PI/2 BPSK	270	0	13.64	13.70	13.57		
100	QPSK	1	1	13.62	13.75	13.62	14.7	0.0
100	QPSK	1	137	13.56	13.63	13.55		
100	QPSK	1	271	13.62	13.74	13.51		
100	QPSK	135	0	13.58	13.67	13.53		
100	QPSK	135	69	13.61	13.74	13.66	14.7	0.0
100	QPSK	135	138	13.60	13.67	13.51	14.7	0.0
100	QPSK	270	0	13.66	13.69	13.51		
100	16QAM	1	1	13.65	13.70	13.52	14.7	0.0
100	64QAM	1	1	13.63	13.68	13.54	14.7	0.0
100	256QAM	1	1	13.58	13.70	13.48	14.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.63	13.67	13.53	14.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	13.62	13.70	13.57	14.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.61	13.71	13.55	14.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.62	13.68	13.52	14.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.64	13.65	13.52	14.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.64	13.70	13.51	14.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	13.65	13.70	13.52	14.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.65	13.66	13.53	14.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	13.60	13.67	13.53	14.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	13.61	13.65	13.54	14.7	0.0

Part270 n77 PC2 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	16.60	16.64	16.56	17.7	0.0
100	PI/2 BPSK	1	137	16.62	16.60	16.54		
100	PI/2 BPSK	1	271	16.57	16.57	16.45		
100	PI/2 BPSK	135	0	16.60	16.70	16.47		
100	PI/2 BPSK	135	69	16.63	16.63	16.49	17.7	0.0
100	PI/2 BPSK	135	138	16.64	16.58	16.46	17.7	0.0
100	PI/2 BPSK	270	0	16.62	16.66	16.56		
100	QPSK	1	1	16.59	16.71	16.67	17.7	0.0
100	QPSK	1	137	16.52	16.60	16.54		
100	QPSK	1	271	16.59	16.68	16.48		
100	QPSK	135	0	16.54	16.66	16.50		
100	QPSK	135	69	16.60	16.68	16.61	17.7	0.0
100	QPSK	135	138	16.55	16.62	16.46	17.7	0.0
100	QPSK	270	0	16.61	16.67	16.47		
100	16QAM	1	1	16.63	16.65	16.50	17.7	0.0
100	64QAM	1	1	16.59	16.67	16.52	17.7	0.0
100	256QAM	1	1	16.55	16.65	16.43	17.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.60	16.64	16.54	17.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.58	16.64	16.52	17.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.62	16.66	16.53	17.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.62	16.67	16.51	17.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.60	16.64	16.53	17.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.60	16.66	16.52	17.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.61	16.62	16.51	17.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.62	16.63	16.52	17.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.58	16.65	16.50	17.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.58	16.67	16.50	17.7	0.0

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	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		13.99		14.9	0.0	
100	PI/2 BPSK	1	137		13.93				
100	PI/2 BPSK	1	271		13.94				
100	PI/2 BPSK	135	0		14.00		14.9	0.0	
100	PI/2 BPSK	135	69		13.93		14.9	0.0	
100	PI/2 BPSK	135	138		13.91		14.9	0.0	
100	PI/2 BPSK	270	0		14.02				
100	QPSK	1	1		14.05				
100	QPSK	1	137		13.93		14.9	0.0	
100	QPSK	1	271		14.03				
100	QPSK	135	0		13.95				
100	QPSK	135	69		14.01		14.9	0.0	
100	QPSK	135	138		13.97		14.9	0.0	
100	QPSK	270	0		13.98				
100	16QAM	1	1		14.02				
100	64QAM	1	1		14.00		14.9	0.0	
100	256QAM	1	1		14.01		14.9	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		13.82	13.88	13.75	14.9	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		13.81	13.89	13.70	14.9	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		13.80	13.91	13.76	14.9	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		13.70	13.90	13.74	14.9	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		13.81	13.89	13.73	14.9	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		13.81	13.91	13.72	14.9	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		13.83	13.89	13.74	14.9	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		13.82	13.91	13.70	14.9	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		13.81	13.86	13.73	14.9	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		13.82	13.87	13.73	14.9	0.0

Part270 n78 PC2 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	17.9	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.62				
100	PI/2 BPSK	1	137		16.59				
100	PI/2 BPSK	1	271		16.62				
100	PI/2 BPSK	135	0		16.60		17.9	0.0	
100	PI/2 BPSK	135	69		16.61		17.9	0.0	
100	PI/2 BPSK	135	138		16.60		17.9	0.0	
100	PI/2 BPSK	270	0		16.63		17.9	0.0	
100	QPSK	1	1		16.66				
100	QPSK	1	137		16.54		17.9	0.0	
100	QPSK	1	271		16.58				
100	QPSK	135	0		16.53		17.9	0.0	
100	QPSK	135	69		16.58		17.9	0.0	
100	QPSK	135	138		16.57		17.9	0.0	
100	QPSK	270	0		16.55				
100	16QAM	1	1		16.60		17.9	0.0	
100	64QAM	1	1		16.62		17.9	0.0	
100	256QAM	1	1		16.56		17.9	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.52	16.58	16.45	17.9	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		16.54	16.55	16.44	17.9	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.54	16.55	16.43	17.9	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.50	16.54	16.44	17.9	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.48	16.58	16.44	17.9	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.51	16.56	16.43	17.9	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		16.50	16.58	16.41	17.9	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		16.54	16.57	16.42	17.9	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		16.51	16.55	16.43	17.9	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		16.54	16.55	16.40	17.9	0.0

Part270 n77 Ant 5

BW [MHz]	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	13.73	13.80	13.66	15.1	0.0
100	PI/2 BPSK	1	137	13.76	13.72	13.67		
100	PI/2 BPSK	1	271	13.71	13.73	13.63		
100	PI/2 BPSK	135	0	13.73	13.64	13.61		
100	PI/2 BPSK	135	69	13.71	13.73	13.63	15.1	0.0
100	PI/2 BPSK	135	138	13.78	13.77	13.59	15.1	0.0
100	PI/2 BPSK	270	0	13.71	13.60	13.65		
100	QPSK	1	1	13.77	13.69	13.82	15.1	0.0
100	QPSK	1	137	13.69	13.74	13.68		
100	QPSK	1	271	13.75	13.62	13.58		
100	QPSK	135	0	13.71	13.79	13.66		
100	QPSK	135	69	13.69	13.64	13.75	15.1	0.0
100	QPSK	135	138	13.70	13.79	13.61	15.1	0.0
100	QPSK	270	0	13.78	13.60	13.60	15.1	0.0
100	16QAM	1	1	13.77	13.79	13.58		
100	64QAM	1	1	13.76	13.62	13.63		
100	256QAM	1	1	13.74	13.61	13.63		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.71	13.70	13.65	15.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	13.71	13.70	13.60	15.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.72	13.80	13.65	15.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.71	13.77	13.62	15.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.72	13.76	13.63	15.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.75	13.80	13.61	15.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	13.76	13.77	13.62	15.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.71	13.76	13.64	15.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	13.74	13.75	13.63	15.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	13.72	13.78	13.62	15.1	0.0

Part270 n77 PC2 Ant 5

BW [MHz]	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	16.66	16.70	16.59	18.1	0.0
100	PI/2 BPSK	1	137	16.65	16.60	16.59		
100	PI/2 BPSK	1	271	16.62	16.63	16.54		
100	PI/2 BPSK	135	0	16.64	16.77	16.51		
100	PI/2 BPSK	135	69	16.63	16.62	16.55	18.1	0.0
100	PI/2 BPSK	135	138	16.69	16.65	16.51	18.1	0.0
100	PI/2 BPSK	270	0	16.62	16.72	16.56		
100	QPSK	1	1	16.68	16.61	16.71	18.1	0.0
100	QPSK	1	137	16.59	16.63	16.61		
100	QPSK	1	271	16.64	16.75	16.51		
100	QPSK	135	0	16.60	16.67	16.54		
100	QPSK	135	69	16.61	16.76	16.64	18.1	0.0
100	QPSK	135	138	16.62	16.72	16.51	18.1	0.0
100	QPSK	270	0	16.68	16.69	16.50		
100	16QAM	1	1	16.68	16.67	16.46	18.1	0.0
100	64QAM	1	1	16.65	16.75	16.52	18.1	0.0
100	256QAM	1	1	16.66	16.70	16.54	18.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.69	16.70	16.52	18.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.69	16.70	16.47	18.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.69	16.73	16.52	18.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.69	16.73	16.49	18.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.69	16.71	16.46	18.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.69	16.71	16.49	18.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.69	16.72	16.48	18.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.67	16.68	16.50	18.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.67	16.68	16.49	18.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.67	16.69	16.51	18.1	0.0

Part270 n78 Ant 5

BW [MHz]	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	14.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.51			
100	PI/2 BPSK	1	137		13.46			
100	PI/2 BPSK	1	271		13.45			
100	PI/2 BPSK	135	0		13.53		14.7	0.0
100	PI/2 BPSK	135	69		13.44		14.7	0.0
100	PI/2 BPSK	135	138		13.42			
100	PI/2 BPSK	270	0		13.52		14.7	0.0
100	QPSK	1	1		13.58			
100	QPSK	1	137		13.42		14.7	0.0
100	QPSK	1	271		13.56			
100	QPSK	135	0		13.46		14.7	0.0
100	QPSK	135	69		13.56		14.7	0.0
100	QPSK	135	138		13.46			
100	QPSK	270	0		13.51		14.7	0.0
100	16QAM	1	1		13.52		14.7	0.0
100	64QAM	1	1		13.47		14.7	0.0
100	256QAM	1	1		13.47		14.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	14.7	0.0
90	QPSK	1	1		13.40	13.43	13.35	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	14.7	0.0
80	QPSK	1	1		13.41	13.40	13.33	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	14.7	0.0
70	QPSK	1	1		13.45	13.50	13.30	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	14.7	0.0
60	QPSK	1	1		13.41	13.46	13.30	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	14.7	0.0
50	QPSK	1	1		13.43	13.50	13.32	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	14.7	0.0
40	QPSK	1	1		13.44	13.46	13.32	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	14.7	0.0
30	QPSK	1	1		13.41	13.45	13.32	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	14.7	0.0
20	QPSK	1	1		13.41	13.50	13.35	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	14.7	0.0
15	QPSK	1	1		13.44	13.49	13.32	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	14.7	0.0
10	QPSK	1	1		13.44	13.49	13.36	

Part270 n78 PC2 Ant 5

BW [MHz]	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	17.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.45			
100	PI/2 BPSK	1	137		16.38			
100	PI/2 BPSK	1	271		16.37			
100	PI/2 BPSK	135	0		16.47		17.7	0.0
100	PI/2 BPSK	135	69		16.37		17.7	0.0
100	PI/2 BPSK	135	138		16.32			
100	PI/2 BPSK	270	0		16.45		17.7	0.0
100	QPSK	1	1		16.51			
100	QPSK	1	137		16.35		17.7	0.0
100	QPSK	1	271		16.49			
100	QPSK	135	0		16.36		17.7	0.0
100	QPSK	135	69		16.46		17.7	0.0
100	QPSK	135	138		16.38			
100	QPSK	270	0		16.42		17.7	0.0
100	16QAM	1	1		16.41		17.7	0.0
100	64QAM	1	1		16.39		17.7	0.0
100	256QAM	1	1		16.38		17.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	17.7	0.0
90	QPSK	1	1		16.34	16.38	16.27	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	17.7	0.0
80	QPSK	1	1		16.31	16.39	16.27	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	17.7	0.0
70	QPSK	1	1		16.31	16.36	16.25	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	17.7	0.0
60	QPSK	1	1		16.31	16.39	16.25	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	17.7	0.0
50	QPSK	1	1		16.33	16.35	16.26	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	17.7	0.0
40	QPSK	1	1		16.30	16.35	16.27	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	17.7	0.0
30	QPSK	1	1		16.32	16.36	16.24	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	17.7	0.0
20	QPSK	1	1		16.31	16.39	16.27	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	17.7	0.0
15	QPSK	1	1		16.34	16.39	16.29	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	17.7	0.0
10	QPSK	1	1		16.35	16.37	16.30	

Part270 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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.03	22.09	22.08	23.0	0.0
100	PI/2 BPSK	1	137	21.84	21.99	21.91		
100	PI/2 BPSK	1	271	21.86	21.87	21.80		
100	PI/2 BPSK	135	0	21.29	21.45	21.41		
100	PI/2 BPSK	135	69	21.79	21.93	21.83	23.0	0.0
100	PI/2 BPSK	135	138	21.38	21.32	21.31	22.5	0.5
100	PI/2 BPSK	270	0	21.37	21.54	21.38		
100	QPSK	1	1	22.12	22.22	22.08	23.0	0.0
100	QPSK	1	137	22.10	22.11	22.01		
100	QPSK	1	271	21.90	22.08	22.00		
100	QPSK	135	0	20.82	20.96	20.82		
100	QPSK	135	69	21.87	21.69	21.81	23.0	0.0
100	QPSK	135	138	20.84	20.86	20.82	22.0	1.0
100	QPSK	270	0	20.87	20.96	20.82		
100	16QAM	1	1	21.08	21.09	21.04	22.0	1.0
100	64QAM	1	1	19.51	19.50	19.55	20.5	2.5
100	256QAM	1	1	17.14	17.10	17.00	18.5	4.5
Channel				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.00	22.00	22.01	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.00	22.10	21.90	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.02	22.15	22.00	23.0	0.0
Channel				648868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.08	22.07	22.02	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.00	22.12	22.02	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.99	22.15	21.96	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.07	22.14	21.97	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.05	22.19	22.01	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	22.02	22.16	21.98	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.03	22.11	22.04	23.0	0.0

Part270 n77 PC2 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	26.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.94	24.87	24.89	26.0	0.0
100	PI/2 BPSK	1	137	24.81	24.88	24.79		
100	PI/2 BPSK	1	271	24.70	24.93	24.84		
100	PI/2 BPSK	135	0	24.27	24.33	24.27		
100	PI/2 BPSK	135	69	24.72	24.82	24.73	25.5	0.5
100	PI/2 BPSK	135	138	24.06	24.17	24.14	25.5	0.5
100	PI/2 BPSK	270	0	24.20	24.33	24.30		
100	QPSK	1	1	24.97	25.06	25.00	26.0	0.0
100	QPSK	1	137	24.81	24.91	24.89		
100	QPSK	1	271	24.82	24.84	24.71		
100	QPSK	135	0	23.83	23.91	23.82		
100	QPSK	135	69	24.91	24.92	24.77	25.0	0.0
100	QPSK	135	138	23.71	23.77	23.59	25.0	1.0
100	QPSK	270	0	23.80	23.82	23.77		
100	16QAM	1	1	23.96	24.02	23.87	25.0	1.0
100	64QAM	1	1	22.29	22.33	22.40	23.5	2.5
100	256QAM	1	1	20.03	20.28	20.13	21.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.87	24.98	24.94	26.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.84	24.94	24.93	26.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.92	24.92	24.87	26.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.89	24.95	24.94	26.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.92	25.03	24.89	26.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.94	25.00	24.92	26.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.82	25.03	24.88	26.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.90	24.92	24.91	26.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.93	24.98	24.93	26.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.84	24.95	24.87	26.0	0.0

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	3750	3750		
100	PI/2 BPSK	1	1		23.03		24.0	0.0
100	PI/2 BPSK	1	137		22.95			
100	PI/2 BPSK	1	271		22.88			
100	PI/2 BPSK	135	0		22.55		23.5	0.5
100	PI/2 BPSK	135	69		22.95		24.0	0.0
100	PI/2 BPSK	135	138		22.40		23.5	0.5
100	PI/2 BPSK	270	0		22.42			
100	QPSK	1	1		23.07		24.0	0.0
100	QPSK	1	137		23.03			
100	QPSK	1	271		22.79			
100	QPSK	135	0		22.02		23.0	1.0
100	QPSK	135	69		23.05		24.0	0.0
100	QPSK	135	138		21.88		23.0	1.0
100	QPSK	270	0		21.83			
100	16QAM	1	1		21.92		23.0	1.0
100	64QAM	1	1		20.38		21.5	2.5
100	256QAM	1	1		18.18		19.5	4.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.99	23.02	22.97	24.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.90	22.97	22.97	24.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.98	22.97	22.99	24.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	23.00	22.96	22.98	24.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.98	22.98	23.03	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	23.02	23.01	22.94	24.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	23.01	23.04	22.94	24.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.99	22.95	23.02	24.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	22.93	22.93	22.99	24.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	22.96	22.99	23.04	24.0	0.0

Part270 n78 PC2 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	3750	3750		
100	PI/2 BPSK	1	1		25.95		27.0	0.0
100	PI/2 BPSK	1	137		26.03			
100	PI/2 BPSK	1	271		25.94			
100	PI/2 BPSK	135	0		25.53			
100	PI/2 BPSK	135	69		25.99		26.5	0.5
100	PI/2 BPSK	135	138		25.27		27.0	0.0
100	PI/2 BPSK	270	0		25.38		26.5	0.5
100	QPSK	1	1		26.10		27.0	0.0
100	QPSK	1	137		25.99			
100	QPSK	1	271		25.90			
100	QPSK	135	0		25.00			
100	QPSK	135	69		26.07		26.0	1.0
100	QPSK	135	138		24.69		27.0	0.0
100	QPSK	270	0		24.86		26.0	1.0
100	16QAM	1	1		24.97		24.5	2.5
100	64QAM	1	1		23.33		22.5	4.5
100	256QAM	1	1		21.34			
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	26.04	26.02	26.00	27.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	26.05	25.95	25.95	27.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	26.00	25.98	26.03	27.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	26.05	26.05	25.95	27.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	26.02	26.06	26.01	27.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	26.03	26.02	25.97	27.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	26.06	26.00	26.05	27.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	26.04	26.05	26.01	27.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	26.01	25.96	25.97	27.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	26.03	25.97	25.98	27.0	0.0



Reduced Power Mode for DSI 3

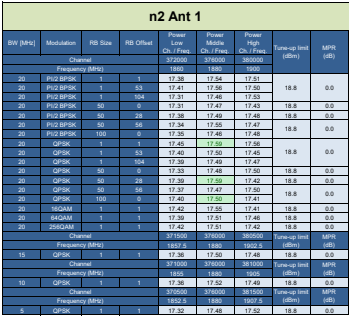
n5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.62	22.66	22.54			
20	PI2 BPSK	1	53	22.45	22.58	22.51	23.5	0.5	
20	PI2 BPSK	1	104	22.29	22.36	22.28			
20	PI2 BPSK	50	0	22.01	22.16	22.04			
20	PI2 BPSK	50	28	22.53	22.64	22.55	24.0	0.0	
20	PI2 BPSK	50	58	22.02	22.11	22.01			
20	PI2 BPSK	100	0	22.10	22.19	22.05			
20	QPSK	1	1	22.63	22.72	22.71	24.0	0.0	
20	QPSK	1	53	22.50	22.63	22.55			
20	QPSK	1	104	22.37	22.47	22.34			
20	QPSK	50	0	21.52	21.58	21.45	23.0	1.0	
20	QPSK	50	28	22.55	22.67	22.62			
20	QPSK	50	58	21.49	21.54	21.46			
20	QPSK	100	0	21.64	21.65	21.60	23.0	1.0	
20	16QAM	1	1	21.37	21.51	21.44			
20	64QAM	1	1	20.04	20.08	19.96			
20	256QAM	1	1	17.90	18.02	17.82	19.5	4.5	
Channel				166200	167200	168200			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.52	22.60	22.59	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.50	22.62	22.64	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.52	22.57	22.63	24.0	0.0	
Channel									
Frequency (MHz)									

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	510000	19.2	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	17.89	17.97	17.92			
40	PI2 BPSK	1	108	17.87	18.04	17.91	19.2	0.0	
40	PI2 BPSK	1	214	17.87	17.99	17.92			
40	PI2 BPSK	108	0	17.80	18.04	17.98			
40	PI2 BPSK	108	54	17.89	18.01	17.97	19.2	0.0	
40	PI2 BPSK	108	108	17.89	17.97	17.99			
40	PI2 BPSK	216	0	17.80	17.98	17.98			
40	QPSK	1	1	17.93	18.08	18.04	19.2	0.0	
40	QPSK	1	108	17.82	18.04	17.96			
40	QPSK	1	214	17.80	17.98	18.00			
40	QPSK	108	0	17.80	18.01	17.93	19.2	0.0	
40	QPSK	108	54	17.88	18.05	17.82			
40	QPSK	108	108	17.82	18.01	17.93			
40	QPSK	216	0	17.82	18.00	17.93	19.2	0.0	
40	16QAM	1	1	17.78	18.01	17.96			
40	64QAM	1	1	17.88	18.03	17.99			
40	256QAM	1	1	17.83	18.00	17.86	19.2	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.80	17.94	17.87	19.2	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
20	QPSK	1	1	17.85	17.99	17.87	19.2	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	17.88	18.00	17.90	19.2	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.82	18.03	17.99	19.2	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.80	18.03	17.82	19.2	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.87	17.98	17.96	19.2	0.0	
Channel									
Frequency (MHz)									

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	348000	350000	14.9	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	13.80	13.93	13.91			
40	PI2 BPSK	1	108	13.82	14.01	13.89	14.9	0.0	
40	PI2 BPSK	1	214	13.84	13.92	13.91			
40	PI2 BPSK	108	0	13.80	13.98	13.85			
40	PI2 BPSK	108	54	13.89	13.95	13.95	14.9	0.0	
40	PI2 BPSK	108	108	13.84	13.94	13.88			
40	PI2 BPSK	216	0	13.88	13.95	13.89			
40	QPSK	1	1	13.95	14.03	14.00	14.9	0.0	
40	QPSK	1	108	13.84	14.02	13.95			
40	QPSK	1	214	13.80	14.00	13.89			
40	QPSK	108	0	13.85	13.95	13.95	14.9	0.0	
40	QPSK	108	54	13.91	14.03	13.90			
40	QPSK	108	108	13.82	13.93	13.86			
40	QPSK	216	0	13.90	13.97	13.93	14.9	0.0	
40	16QAM	1	1	13.84	14.00	13.85			
40	64QAM	1	1	13.91	13.97	13.95			
40	256QAM	1	1	13.88	14.02	13.87	14.9	0.0	
Channel				345000	348000	350000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	13.90	14.00	13.86	14.9	0.0	
Channel				344000	348000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	13.91	14.01	13.92	14.9	0.0	
Channel				343500	348000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	13.88	13.94	13.97	14.9	0.0	
Channel				343000	348000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	13.80	13.98	13.96	14.9	0.0	
Channel				342500	348000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	13.89	13.98	13.92	14.9	0.0	
Channel									
Frequency (MHz)									

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	20.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.60	19.56	19.46	20.7	0.0
40	PI/2 BPSK	1	53	19.57	19.57	19.54		
40	PI/2 BPSK	1	104	19.58	19.60	19.48		
40	PI/2 BPSK	50	0	19.58	19.61	19.43		
40	PI/2 BPSK	50	28	19.59	19.61	19.50	20.7	0.0
40	PI/2 BPSK	50	56	19.57	19.61	19.44		
40	PI/2 BPSK	100	0	19.46	19.59	19.47		
40	QPSK	1	1	19.69	19.72	19.63		
40	QPSK	1	53	19.65	19.63	19.56	20.7	0.0
40	QPSK	1	104	19.52	19.65	19.45		
40	QPSK	50	0	19.51	19.58	19.44		
40	QPSK	50	28	19.60	19.62	19.59		
40	QPSK	50	56	19.53	19.49	19.56	20.7	0.0
40	QPSK	100	0	19.56	19.61	19.49		
40	16QAM	1	1	19.60	19.64	19.56		
40	64QAM	1	1	19.67	19.62	19.53		
40	256QAM	1	1	18.14	18.29	18.16	19.5	1.2
Channel				517092	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	20.7	0.0
30	QPSK	1	1	19.57	19.53	19.57	20.7	0.0
Channel				516090	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	20.7	0.0
20	QPSK	1	1	19.52	19.55	19.54	20.7	0.0
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	20.7	0.0
15	QPSK	1	1	19.54	19.52	19.49	20.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	20.7	0.0
10	QPSK	1	1	19.57	19.57	19.49	20.7	0.0

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	20.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.70	19.68	19.59	20.7	0.0
100	PI/2 BPSK	1	137	19.70	19.67	19.60		
100	PI/2 BPSK	1	271	19.66	19.73	19.56		
100	PI/2 BPSK	135	0	19.63	19.72	19.57		
100	PI/2 BPSK	135	69	19.63	19.71	19.57	20.7	0.0
100	PI/2 BPSK	135	138	19.65	19.65	19.56		
100	PI/2 BPSK	270	0	19.61	19.65	19.56		
100	QPSK	1	1	19.74	19.79	19.68		
100	QPSK	1	137	19.68	19.72	19.65	20.7	0.0
100	QPSK	1	271	19.65	19.72	19.56		
100	QPSK	135	0	19.65	19.69	19.57		
100	QPSK	135	69	19.70	19.76	19.65		
100	QPSK	135	138	19.67	19.64	19.62	20.7	0.0
100	QPSK	270	0	19.61	19.65	19.61		
100	16QAM	1	1	19.70	19.69	19.60		
100	64QAM	1	1	19.70	19.68	19.61		
100	256QAM	1	1	18.78	18.80	18.72	19.5	1.2
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	20.7	0.0
90	QPSK	1	1	19.61	19.65	19.62	20.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	20.7	0.0
80	QPSK	1	1	19.66	19.74	19.59	20.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	20.7	0.0
70	QPSK	1	1	19.64	19.74	19.57	20.7	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	20.7	0.0
60	QPSK	1	1	19.62	19.69	19.60	20.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	20.7	0.0
50	QPSK	1	1	19.61	19.73	19.54	20.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	20.7	0.0
40	QPSK	1	1	19.66	19.65	19.58	20.7	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	20.7	0.0
30	QPSK	1	1	19.62	19.67	19.62	20.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	20.7	0.0
20	QPSK	1	1	19.64	19.70	19.62	20.7	0.0



n5 Ant 1									
Seq ID	Modulator	Seq Size	Seq Offset	Power Ch. 1/Freq.	Power Ch. 2/Freq.	Power Ch. 3/Freq.	Power Ch. 4/Freq.	100 Hz dBm	APR
Channel									
Frequency (MHz)									
30	SPSR	50	0	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	1	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	2	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	3	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	4	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	5	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	6	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	7	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	8	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	9	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	10	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	11	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	12	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	13	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	14	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	15	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	16	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	17	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	18	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	19	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	20	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	21	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	22	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	23	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	24	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	25	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	26	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	27	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	28	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	29	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	30	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	31	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	32	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	33	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	34	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	35	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	36	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	37	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	38	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	39	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	40	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	41	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	42	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	43	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	44	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	45	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	46	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	47	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	48	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	49	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	50	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	51	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	52	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	53	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	54	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	55	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	56	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	57	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	58	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	59	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	60	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	61	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	62	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	63	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	64	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	65	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	66	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	67	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	68	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	69	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	70	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	71	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	72	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	73	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	74	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	75	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	76	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	77	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	78	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	79	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	80	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	81	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	82	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	83	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	84	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	85	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	86	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	87	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	88	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	89	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	90	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	91	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	92	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	93	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	94	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	95	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	96	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	97	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	98	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	99	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	100	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	101	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	102	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	103	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	104	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	105	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	106	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	107	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	108	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	109	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	110	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	111	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	112	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	113	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	114	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	115	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	116	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	117	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	118	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	119	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	120	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	121	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	122	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	123	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	124	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	125	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	126	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	127	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	128	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	129	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	130	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	131	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	132	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	133	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	134	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	135	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30	SPSR	50	136	-22.80	-22.80	-22.80	-22.80	24.1	0.0
30									

n7 Ant 1							
Bit (MHz)	Modulation	RB Size	RB Offset	Subcarrier Spacing	Subcarrier Manner	Power Spectrum Density (dBm/Hz)	SNR (dB)
40	Frequency (MHz)			15.75	15.75	15.82	
40	QPSK	1	156	15.75	15.85	15.88	17.4
40	QPSK	2	312	15.75	15.85	15.88	17.4
40	QPSK	4	624	15.75	15.85	15.88	17.4
40	QPSK	8	1248	15.75	15.85	15.88	17.4
40	QPSK	16	2496	15.75	15.85	15.88	17.4
40	QPSK	32	4992	15.75	15.85	15.88	17.4
40	QPSK	64	9984	15.75	15.85	15.88	17.4
40	QPSK	128	19968	15.75	15.85	15.88	17.4
40	QPSK	256	39936	15.75	15.85	15.88	17.4
40	QPSK	512	79872	15.75	15.85	15.88	17.4
40	QPSK	1024	159744	15.75	15.85	15.88	17.4
40	QPSK	2048	319488	15.75	15.85	15.88	17.4
40	QPSK	4096	638976	15.75	15.85	15.88	17.4
40	QPSK	8192	1277952	15.75	15.85	15.88	17.4
40	QPSK	16384	2555904	15.75	15.85	15.88	17.4
40	QPSK	32768	5111808	15.75	15.85	15.88	17.4
40	QPSK	65536	10223616	15.75	15.85	15.88	17.4
40	QPSK	131072	20447232	15.75	15.85	15.88	17.4
40	QPSK	262144	40894464	15.75	15.85	15.88	17.4
40	QPSK	524288	81788928	15.75	15.85	15.88	17.4
40	QPSK	1048576	163577856	15.75	15.85	15.88	17.4
40	QPSK	2097152	327155712	15.75	15.85	15.88	17.4
40	QPSK	4194304	654311424	15.75	15.85	15.88	17.4
40	QPSK	8388608	1308622848	15.75	15.85	15.88	17.4
40	QPSK	16777216	2617245696	15.75	15.85	15.88	17.4
40	QPSK	33554432	5234491392	15.75	15.85	15.88	17.4
40	QPSK	67108864	10468982784	15.75	15.85	15.88	17.4
40	QPSK	134217728	20937965568	15.75	15.85	15.88	17.4
40	QPSK	268435456	41875931136	15.75	15.85	15.88	17.4
40	QPSK	536870912	83751862272	15.75	15.85	15.88	17.4
40	QPSK	1073741824	167503724544	15.75	15.85	15.88	17.4
40	QPSK	2147483648	335007449088	15.75	15.85	15.88	17.4
40	QPSK	4294967296	670014898176	15.75	15.85	15.88	17.4
40	QPSK	8589934592	1340029796352	15.75	15.85	15.88	17.4
40	QPSK	17179869184	2680059592704	15.75	15.85	15.88	17.4
40	QPSK	34359738368	5360119185408	15.75	15.85	15.88	17.4
40	QPSK	68719476736	10720238370816	15.75	15.85	15.88	17.4
40	QPSK	137438953472	21440476741632	15.75	15.85	15.88	17.4
40	QPSK	274877906944	42880953483264	15.75	15.85	15.88	17.4
40	QPSK	549755813888	85761906966528	15.75	15.85	15.88	17.4
40	QPSK	1099511627776	171523813933056	15.75	15.85	15.88	17.4
40	QPSK	219					

n66 Ant 1								
RF MHz	Modulation	RF Rate	RF Offset	Power Low 3400000	Power Mid 3400000	Power High 3400000	Power rise time 3400000	SNR (dB)
Channel				3400000	3400000	3400000		
40	PSK25QAM	1	150	15.39	15.39	15.37		0.0
40	PSK25QAM	1	150	15.42	15.35	15.41	16.0	0.0
40	PSK25QAM	160	0	15.38	15.29	15.32	16.0	0.0
40	PSK25QAM	160	50	15.39	15.34	15.41	16.0	0.0
40	PSK25QAM	160	100	15.39	15.37	15.38	16.0	0.0
40	PSK25QAM	256	0	15.38	15.34	15.39	16.0	0.0
40	QPSK	1	150	15.47	15.53	15.48		0.0
40	QPSK	1	214	15.37	15.48	15.33		0.0
40	QPSK	160	0	15.40	15.29	15.37	16.0	0.0
40	QPSK	160	50	15.38	15.42	15.40	16.0	0.0
40	QPSK	160	100	15.40	15.41	15.41	16.0	0.0
40	QPSK	256	0	15.40	15.39	15.40	16.0	0.0
40	25QAM	1	150	15.42	15.36	15.39	16.0	0.0
40	25QAM	160	0	15.40	15.41	15.41	16.0	0.0
40	25QAM	160	50	15.40	15.41	15.37	16.0	0.0
Frequency (MHz)				15.22	15.42	15.62		0.0
40	QPSK	1	150	15.38	15.44	15.32	16.0	0.0
40	QPSK	1	214	15.37	15.48	15.33		0.0
40	Frequency (MHz)			15.72	15.41	15.43		0.0
40	QPSK	160	0	15.38	15.39	15.40	16.0	0.0
40	QPSK	160	50	15.39	15.40	15.41	16.0	0.0
40	QPSK	160	100	15.43	15.42	15.40	16.0	0.0
40	QPSK	256	0	15.40	15.39	15.40	16.0	0.0
40	QPSK	256	50	15.39	15.40	15.41	16.0	0.0
40	QPSK	256	100	15.43	15.42	15.40	16.0	0.0
40	QPSK	256	150	15.43	15.42	15.40	16.0	0.0

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	14.28	14.48	14.35	15.6	0.0
40	PI/2 BPSK	1	53	14.36	14.40	14.40		
40	PI/2 BPSK	1	104	14.35	14.38	14.30		
40	PI/2 BPSK	50	0	14.43	14.38	14.36		
40	PI/2 BPSK	50	28	14.27	14.36	14.26	15.6	0.0
40	PI/2 BPSK	50	56	14.36	14.37	14.33	15.6	0.0
40	PI/2 BPSK	100	0	14.43	14.42	14.38		
40	QPSK	1	1	14.44	14.51	14.45	15.6	0.0
40	QPSK	1	53	14.33	14.44	14.29		
40	QPSK	1	104	14.32	14.44	14.29		
40	QPSK	50	0	14.37	14.33	14.35		
40	QPSK	50	28	14.44	14.47	14.31	15.6	0.0
40	QPSK	50	56	14.32	14.32	14.34	15.6	0.0
40	QPSK	100	0	14.40	14.43	14.31		
40	16QAM	1	1	14.36	14.44	14.30	15.6	0.0
40	64QAM	1	1	14.30	14.34	14.42	15.6	0.0
40	256QAM	1	1	14.35	14.46	14.40	15.6	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	15.6	0.0
30	QPSK	1	1	14.30	14.43	14.33	15.6	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	15.6	0.0
20	QPSK	1	1	14.30	14.40	14.31	15.6	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	15.6	0.0
15	QPSK	1	1	14.43	14.43	14.33	15.6	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	15.6	0.0
10	QPSK	1	1	14.35	14.48	14.29	15.6	0.0

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	14.43	14.53	14.46	15.6	0.0
100	PI/2 BPSK	1	137	14.45	14.48	14.46		
100	PI/2 BPSK	1	271	14.44	14.49	14.44		
100	PI/2 BPSK	135	0	14.47	14.50	14.42		
100	PI/2 BPSK	135	69	14.41	14.47	14.38	15.6	0.0
100	PI/2 BPSK	135	138	14.45	14.48	14.44	15.6	0.0
100	PI/2 BPSK	270	0	14.47	14.48	14.45		
100	QPSK	1	1	14.53	14.56	14.51	15.6	0.0
100	QPSK	1	137	14.48	14.52	14.40		
100	QPSK	1	271	14.46	14.48	14.38		
100	QPSK	135	0	14.45	14.42	14.45		
100	QPSK	135	69	14.46	14.50	14.44	15.6	0.0
100	QPSK	135	138	14.46	14.45	14.42	15.6	0.0
100	QPSK	270	0	14.47	14.48	14.46		
100	16QAM	1	1	14.47	14.52	14.42	15.6	0.0
100	64QAM	1	1	14.49	14.43	14.47	15.6	0.0
100	256QAM	1	1	14.42	14.52	14.44	15.6	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	15.6	0.0
90	QPSK	1	1	14.46	14.48	14.42	15.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	15.6	0.0
80	QPSK	1	1	14.47	14.50	14.38	15.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	15.6	0.0
70	QPSK	1	1	14.41	14.45	14.45	15.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	15.6	0.0
60	QPSK	1	1	14.49	14.50	14.41	15.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	15.6	0.0
50	QPSK	1	1	14.41	14.42	14.48	15.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	15.6	0.0
40	QPSK	1	1	14.44	14.48	14.36	15.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	15.6	0.0
30	QPSK	1	1	14.43	14.49	14.40	15.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	15.6	0.0
20	QPSK	1	1	14.45	14.53	14.47	15.6	0.0

Part270 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				650000	656000	662000	12.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.43	11.58	11.38	12.5	0.0
100	PI/2 BPSK	1	137	11.45	11.57	11.38		
100	PI/2 BPSK	1	271	11.43	11.59	11.35		
100	PI/2 BPSK	135	0	11.45	11.60	11.37		
100	PI/2 BPSK	135	69	11.43	11.58	11.39	12.5	0.0
100	PI/2 BPSK	135	138	11.44	11.58	11.36	12.5	0.0
100	PI/2 BPSK	270	0	11.44	11.55	11.36		
100	QPSK	1	1	11.51	11.63	11.44	12.5	0.0
100	QPSK	1	137	11.44	11.54	11.41		
100	QPSK	1	271	11.44	11.60	11.37		
100	QPSK	135	0	11.43	11.57	11.35		
100	QPSK	135	69	11.43	11.59	11.38	12.5	0.0
100	QPSK	135	138	11.47	11.58	11.40	12.5	0.0
100	QPSK	270	0	11.45	11.57	11.38	12.5	0.0
100	16QAM	1	1	11.46	11.56	11.37		
100	64QAM	1	1	11.43	11.56	11.38		
100	256QAM	1	1	11.47	11.56	11.38		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	12.5	0.0
90	QPSK	1	1	11.43	11.53	11.37	12.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	12.5	0.0
80	QPSK	1	1	11.48	11.60	11.35	12.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	12.5	0.0
70	QPSK	1	1	11.47	11.55	11.39	12.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	12.5	0.0
60	QPSK	1	1	11.42	11.57	11.35	12.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	12.5	0.0
50	QPSK	1	1	11.48	11.55	11.40	12.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	12.5	0.0
40	QPSK	1	1	11.45	11.55	11.37	12.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	12.5	0.0
30	QPSK	1	1	11.48	11.55	11.41	12.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	12.5	0.0
20	QPSK	1	1	11.48	11.54	11.41	12.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51	12.5	0.0
15	QPSK	1	1	11.44	11.58	11.40	12.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	12.5	0.0
10	QPSK	1	1	11.44	11.55	11.38	12.5	0.0

Part270 n77 PC2 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				650000	656000	662000	15.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.36	14.51	14.30	15.5	0.0
100	PI/2 BPSK	1	137	14.38	14.46	14.28		
100	PI/2 BPSK	1	271	14.35	14.50	14.24		
100	PI/2 BPSK	135	0	14.35	14.49	14.30		
100	PI/2 BPSK	135	69	14.34	14.49	14.27	15.5	0.0
100	PI/2 BPSK	135	138	14.34	14.48	14.26	15.5	0.0
100	PI/2 BPSK	270	0	14.36	14.44	14.29		
100	QPSK	1	1	14.42	14.52	14.35	15.5	0.0
100	QPSK	1	137	14.34	14.43	14.29		
100	QPSK	1	271	14.35	14.51	14.25		
100	QPSK	135	0	14.34	14.47	14.26		
100	QPSK	135	69	14.32	14.50	14.29	15.5	0.0
100	QPSK	135	138	14.39	14.48	14.29	15.5	0.0
100	QPSK	270	0	14.36	14.47	14.27		
100	16QAM	1	1	14.35	14.46	14.26	15.5	0.0
100	64QAM	1	1	14.34	14.44	14.28	15.5	0.0
100	256QAM	1	1	14.37	14.50	14.27	15.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	15.5	0.0
90	QPSK	1	1	14.34	14.48	14.32	15.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	15.5	0.0
80	QPSK	1	1	14.32	14.49	14.27	15.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	15.5	0.0
70	QPSK	1	1	14.32	14.49	14.30	15.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	15.5	0.0
60	QPSK	1	1	14.33	14.44	14.28	15.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	15.5	0.0
50	QPSK	1	1	14.35	14.45	14.32	15.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	15.5	0.0
40	QPSK	1	1	14.37	14.45	14.28	15.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	15.5	0.0
30	QPSK	1	1	14.34	14.46	14.30	15.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	15.5	0.0
20	QPSK	1	1	14.34	14.47	14.27	15.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	15.5	0.0
15	QPSK	1	1	14.33	14.47	14.29	15.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	15.5	0.0
10	QPSK	1	1	14.32	14.44	14.31	15.5	0.0

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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		11.50			
100	PI/2 BPSK	1	137		11.52		12.5	0.0
100	PI/2 BPSK	1	271		11.52			
100	PI/2 BPSK	135	0		11.54		12.5	0.0
100	PI/2 BPSK	135	69		11.53		12.5	0.0
100	PI/2 BPSK	135	138		11.54			
100	PI/2 BPSK	270	0		11.47		12.5	0.0
100	QPSK	1	1		11.56			
100	QPSK	1	137		11.45		12.5	0.0
100	QPSK	1	271		11.54			
100	QPSK	135	0		11.52		12.5	0.0
100	QPSK	135	69		11.55		12.5	0.0
100	QPSK	135	138		11.50		12.5	0.0
100	QPSK	270	0		11.52			
100	16QAM	1	1		11.52		12.5	0.0
100	64QAM	1	1		11.49		12.5	0.0
100	256QAM	1	1		11.48		12.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		11.41	11.53	11.23	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		11.41	11.48	11.33	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		11.30	11.51	11.30	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		11.41	11.51	11.31	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		11.42	11.40	11.33	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		11.40	11.47	11.29	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		11.30	11.51	11.29	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		11.40	11.48	11.32	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		11.38	11.48	11.31	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		11.40	11.52	11.30	0.0

Part270 n78 PC2 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.44			
100	PI/2 BPSK	1	137		14.38		15.5	0.0
100	PI/2 BPSK	1	271		14.40			
100	PI/2 BPSK	135	0		14.40		15.5	0.0
100	PI/2 BPSK	135	69		14.41		15.5	0.0
100	PI/2 BPSK	135	138		14.40			
100	PI/2 BPSK	270	0		14.38		15.5	0.0
100	QPSK	1	1		14.46			
100	QPSK	1	137		14.35		15.5	0.0
100	QPSK	1	271		14.45			
100	QPSK	135	0		14.39		15.5	0.0
100	QPSK	135	69		14.43		15.5	0.0
100	QPSK	135	138		14.42			
100	QPSK	270	0		14.40		15.5	0.0
100	16QAM	1	1		14.41		15.5	0.0
100	64QAM	1	1		14.39		15.5	0.0
100	256QAM	1	1		14.41		15.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		14.17	14.15	14.19	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		14.16	14.20	14.15	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		14.16	14.16	14.15	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		14.18	14.17	14.17	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		14.16	14.18	14.17	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		14.15	14.19	14.14	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		14.17	14.20	14.16	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		14.18	14.16	14.17	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		14.19	14.20	14.14	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		14.19	14.18	14.18	0.0

Part270 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	16.3	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.01	15.09	15.05	16.3	0.0
100	PI/2 BPSK	1	137	15.02	15.11	15.06		
100	PI/2 BPSK	1	271	15.01	15.07	15.04		
100	PI/2 BPSK	135	0	14.96	15.11	15.08		
100	PI/2 BPSK	135	69	14.98	15.07	15.02		
100	PI/2 BPSK	135	138	15.02	15.12	15.05		
100	PI/2 BPSK	270	0	14.98	15.10	15.06	16.3	0.0
100	QPSK	1	1	15.05	15.15	15.12		
100	QPSK	1	137	14.98	15.10	15.05		
100	QPSK	1	271	14.99	15.11	15.06		
100	QPSK	135	0	14.97	15.07	14.98		
100	QPSK	135	69	15.00	15.12	15.04		
100	QPSK	135	138	14.97	15.10	15.03	16.3	0.0
100	QPSK	270	0	14.97	15.08	14.99		
100	16QAM	1	1	14.96	15.10	15.02	16.3	0.0
100	64QAM	1	1	14.97	15.12	15.08	16.3	0.0
100	256QAM	1	1	14.98	15.11	15.07	16.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	16.3	0.0
90	QPSK	1	1	14.98	15.08	14.99	16.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	16.3	0.0
80	QPSK	1	1	15.00	15.09	15.01	16.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	16.3	0.0
70	QPSK	1	1	15.00	15.09	14.88	16.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	16.3	0.0
60	QPSK	1	1	15.01	15.12	14.91	16.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	16.3	0.0
50	QPSK	1	1	15.00	15.11	15.00	16.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	16.3	0.0
40	QPSK	1	1	15.02	15.11	14.89	16.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	16.3	0.0
30	QPSK	1	1	14.98	15.09	14.99	16.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	16.3	0.0
20	QPSK	1	1	15.01	15.12	15.01	16.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	16.3	0.0
15	QPSK	1	1	15.00	15.10	14.84	16.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	16.3	0.0
10	QPSK	1	1	15.01	15.12	14.91	16.3	0.0

Part270 n77 PC2 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	19.3	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.94	17.98	18.00	19.3	0.0
100	PI/2 BPSK	1	137	17.94	18.00	18.04		
100	PI/2 BPSK	1	271	17.92	17.96	17.95		
100	PI/2 BPSK	135	0	17.85	18.03	18.02		
100	PI/2 BPSK	135	69	17.88	17.98	17.97		
100	PI/2 BPSK	135	138	17.95	18.05	18.03		
100	PI/2 BPSK	270	0	17.91	18.00	18.03	19.3	0.0
100	QPSK	1	1	17.99	18.06	18.01		
100	QPSK	1	137	17.85	18.04	18.03		
100	QPSK	1	271	17.90	18.02	18.04		
100	QPSK	135	0	17.87	17.98	17.96		
100	QPSK	135	69	17.91	18.03	18.01		
100	QPSK	135	138	17.88	18.02	18.00	19.3	0.0
100	QPSK	270	0	17.87	18.02	17.97		
100	16QAM	1	1	17.89	17.98	18.02	19.3	0.0
100	64QAM	1	1	17.88	18.05	18.02	19.3	0.0
100	256QAM	1	1	17.89	18.04	18.00	19.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	19.3	0.0
90	QPSK	1	1	17.88	18.02	17.97	19.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	19.3	0.0
80	QPSK	1	1	17.96	18.01	18.01	19.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	19.3	0.0
70	QPSK	1	1	17.88	18.01	18.00	19.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	19.3	0.0
60	QPSK	1	1	17.88	17.97	17.97	19.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	19.3	0.0
50	QPSK	1	1	17.85	18.00	17.98	19.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	19.3	0.0
40	QPSK	1	1	17.86	18.00	17.97	19.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	19.3	0.0
30	QPSK	1	1	17.87	18.00	18.01	19.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	19.3	0.0
20	QPSK	1	1	17.90	18.02	18.02	19.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	19.3	0.0
15	QPSK	1	1	17.88	17.96	17.97	19.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	19.3	0.0
10	QPSK	1	1	17.89	17.97	17.96	19.3	0.0

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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.16		16.0	0.0
100	PI/2 BPSK	1	137		15.22			
100	PI/2 BPSK	1	271		15.13			
100	PI/2 BPSK	135	0		15.18	16.0		
100	PI/2 BPSK	135	69		15.13		16.0	0.0
100	PI/2 BPSK	135	138		15.18		16.0	0.0
100	PI/2 BPSK	270	0		15.17			
100	QPSK	1	1		15.24		16.0	0.0
100	QPSK	1	137		15.15			
100	QPSK	1	271		15.18			
100	QPSK	135	0		15.13	16.0		
100	QPSK	135	69		15.22		16.0	0.0
100	QPSK	135	138		15.21		16.0	0.0
100	QPSK	270	0		15.16			
100	16QAM	1	1		15.19		16.0	0.0
100	64QAM	1	1		15.23		16.0	0.0
100	256QAM	1	1		15.21		16.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.08	15.11	15.06	16.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.09	15.11	15.09	16.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.09	15.09	15.08	16.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.10	15.08	15.09	16.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.09	15.09	15.07	16.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.13	15.07	15.10	16.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.10	15.10	15.07	16.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.12	15.09	15.05	16.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	15.13	15.07	15.04	16.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.13	15.07	15.07	16.0	0.0

Part270 n78 PC2 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	3750	3750		
100	PI/2 BPSK	1	1		17.90		19.0	0.0
100	PI/2 BPSK	1	137		17.93			
100	PI/2 BPSK	1	271		17.91			
100	PI/2 BPSK	135	0		17.97			
100	PI/2 BPSK	135	69		17.92		19.0	0.0
100	PI/2 BPSK	135	138		18.00		19.0	0.0
100	PI/2 BPSK	270	0		17.93			
100	QPSK	1	1		18.01		19.0	0.0
100	QPSK	1	137		17.99			
100	QPSK	1	271		17.99			
100	QPSK	135	0		17.90			
100	QPSK	135	69		17.96		19.0	0.0
100	QPSK	135	138		17.93		19.0	0.0
100	QPSK	270	0		17.94			
100	16QAM	1	1		17.95		19.0	0.0
100	64QAM	1	1		17.96		19.0	0.0
100	256QAM	1	1		17.97		19.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dbm)	(db)
90	QPSK	1	1	17.87	17.95	17.93	19.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dbm)	(db)
80	QPSK	1	1	17.91	17.92	17.92	19.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dbm)	(db)
70	QPSK	1	1	17.90	17.94	17.93	19.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dbm)	(db)
60	QPSK	1	1	17.90	17.92	17.90	19.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dbm)	(db)
50	QPSK	1	1	17.89	17.92	17.93	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dbm)	(db)
40	QPSK	1	1	17.89	17.94	17.93	19.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dbm)	(db)
30	QPSK	1	1	17.92	17.90	17.91	19.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dbm)	(db)
20	QPSK	1	1	17.89	17.92	17.90	19.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dbm)	(db)
15	QPSK	1	1	17.91	17.90	17.93	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dbm)	(db)
10	QPSK	1	1	17.87	17.92	17.92	19.0	0.0

Part270 n77 Ant 5

BW [MHz]	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	17.25	17.28	17.20	18.3	0.0
100	PI/2 BPSK	1	137	17.25	17.30	17.20		
100	PI/2 BPSK	1	271	17.23	17.29	17.18		
100	PI/2 BPSK	135	0	17.26	17.26	17.20		
100	PI/2 BPSK	135	69	17.26	17.29	17.18	18.3	0.0
100	PI/2 BPSK	135	138	17.24	17.26	17.18	18.3	0.0
100	PI/2 BPSK	270	0	17.22	17.26	17.17		
100	QPSK	1	1	17.29	17.33	17.25	18.3	0.0
100	QPSK	1	137	17.26	17.26	17.19		
100	QPSK	1	271	17.25	17.25	17.17		
100	QPSK	135	0	17.21	17.26	17.17		
100	QPSK	135	69	17.22	17.27	17.22	18.3	0.0
100	QPSK	135	138	17.25	17.21	17.19	18.3	0.0
100	QPSK	270	0	17.24	17.21	17.19		
100	16QAM	1	1	17.24	17.30	17.19	18.3	0.0
100	64QAM	1	1	17.24	17.25	17.21	18.3	0.0
100	256QAM	1	1	15.41	15.49	15.42	16.5	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.24	17.25	17.20	18.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.23	17.20	17.19	18.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.25	17.30	17.19	18.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.24	17.20	17.21	18.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.23	17.20	17.19	18.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.23	17.27	17.17	18.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.24	17.25	17.19	18.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.23	17.24	17.19	18.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.23	17.26	17.16	18.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.24	17.24	17.16	18.3	0.0

Part270 n77 PC2 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.11	20.19	20.12	21.3	0.0
100	PI/2 BPSK	1	137	20.10	20.18	20.08		
100	PI/2 BPSK	1	271	20.14	20.20	20.08		
100	PI/2 BPSK	135	0	20.10	20.15	20.14		
100	PI/2 BPSK	135	69	20.10	20.16	20.13	21.3	0.0
100	PI/2 BPSK	135	138	20.11	20.19	20.10	21.3	0.0
100	PI/2 BPSK	270	0	20.14	20.15	20.10		
100	QPSK	1	1	20.18	20.23	20.17	21.3	0.0
100	QPSK	1	137	20.14	20.19	20.13		
100	QPSK	1	271	20.12	20.18	20.13		
100	QPSK	135	0	20.11	20.14	20.09		
100	QPSK	135	69	20.12	20.19	20.08	21.3	0.0
100	QPSK	135	138	20.11	20.16	20.13	21.3	0.0
100	QPSK	270	0	20.14	20.17	20.13		
100	16QAM	1	1	20.10	20.20	20.09	21.3	0.0
100	64QAM	1	1	20.09	20.15	20.13	21.3	0.0
100	256QAM	1	1	18.34	18.39	18.29	19.5	1.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.10	20.15	20.10	21.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.10	20.17	20.11	21.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.15	20.14	20.13	21.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.14	20.20	20.08	21.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.10	20.14	20.08	21.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.13	20.19	20.09	21.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.11	20.16	20.08	21.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.11	20.17	20.14	21.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.12	20.15	20.11	21.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.15	20.20	20.12	21.3	0.0

Part270 n78 Ant 5

BW [MHz]	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		17.04		18.0	0.0
100	PI/2 BPSK	1	137		17.03			
100	PI/2 BPSK	1	271		17.03			
100	PI/2 BPSK	135	0		17.02			
100	PI/2 BPSK	135	69		17.04		18.0	0.0
100	PI/2 BPSK	135	138		17.02		18.0	0.0
100	PI/2 BPSK	270	0		17.03			
100	QPSK	1	1		17.10		18.0	0.0
100	QPSK	1	137		17.01			
100	QPSK	1	271		17.02			
100	QPSK	135	0		17.00			
100	QPSK	135	69		17.01		18.0	0.0
100	QPSK	135	138		16.95		18.0	0.0
100	QPSK	270	0		16.96			
100	16QAM	1	1		17.05		18.0	0.0
100	64QAM	1	1		16.98		18.0	0.0
100	256QAM	1	1		17.01		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.95	17.01	16.98	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.96	17.02	17.00	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.94	17.03	17.02	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.96	17.03	17.02	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.96	16.99	16.98	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.96	16.99	17.01	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.93	17.00	16.98	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.94	17.03	16.98	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.94	16.99	17.00	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.97	16.99	17.03	18.0	0.0

Part270 n78 PC2 Ant 5

BW [MHz]	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		19.97		21.0	0.0
100	PI/2 BPSK	1	137		19.93			
100	PI/2 BPSK	1	271		19.95			
100	PI/2 BPSK	135	0		19.96			
100	PI/2 BPSK	135	69		19.93		21.0	0.0
100	PI/2 BPSK	135	138		19.91		21.0	0.0
100	PI/2 BPSK	270	0		19.95			
100	QPSK	1	1		20.00		21.0	0.0
100	QPSK	1	137		19.90			
100	QPSK	1	271		19.94			
100	QPSK	135	0		19.88			
100	QPSK	135	69		19.93		21.0	0.0
100	QPSK	135	138		19.85		21.0	0.0
100	QPSK	270	0		19.86			
100	16QAM	1	1		19.97		21.0	0.0
100	64QAM	1	1		19.89		21.0	0.0
100	256QAM	1	1		19.93		21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.86	19.92	19.90	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.87	19.92	19.90	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.84	19.92	19.89	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.84	19.91	19.86	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.88	19.91	19.85	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.87	19.89	19.89	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.89	19.95	19.86	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.88	19.91	19.85	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.86	19.94	19.87	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.87	19.92	19.86	21.0	0.0

Part270 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	18.03	18.17	17.99	19.2	0.0
100	PI/2 BPSK	1	137	18.02	18.15	17.98		
100	PI/2 BPSK	1	271	18.02	18.13	17.98		
100	PI/2 BPSK	135	0	17.98	18.17	17.98		
100	PI/2 BPSK	135	69	17.99	18.13	17.98	19.2	0.0
100	PI/2 BPSK	135	138	18.03	18.12	17.99	19.2	0.0
100	PI/2 BPSK	270	0	17.97	18.13	17.99		
100	QPSK	1	1	18.06	18.21	18.05		
100	QPSK	1	137	18.02	18.14	18.00		
100	QPSK	1	271	17.98	18.16	17.99	19.2	0.0
100	QPSK	135	0	18.02	18.14	17.98		
100	QPSK	135	69	18.02	18.17	17.99		
100	QPSK	135	138	18.00	18.13	17.97		
100	QPSK	270	0	17.99	18.14	18.00	19.2	0.0
100	16QAM	1	1	18.00	18.16	18.00		
100	64QAM	1	1	18.00	18.17	18.01		
100	256QAM	1	1	17.14	17.10	17.05		
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.02	18.13	17.99	19.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.98	18.12	18.02	19.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.98	18.15	17.97	19.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.02	18.12	18.00	19.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.01	18.17	18.00	19.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.03	18.14	18.02	19.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.03	18.16	17.99	19.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.01	18.16	18.01	19.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	18.02	18.14	18.00	19.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.98	18.15	18.01	19.2	0.0

Part270 n77 PC2 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	20.97	21.08	20.90	22.2	0.0
100	PI/2 BPSK	1	137	20.94	21.08	20.91		
100	PI/2 BPSK	1	271	20.94	21.03	20.89		
100	PI/2 BPSK	135	0	20.88	21.10	20.90		
100	PI/2 BPSK	135	69	20.92	21.01	20.88	22.2	0.0
100	PI/2 BPSK	135	138	20.94	21.04	20.90	22.2	0.0
100	PI/2 BPSK	270	0	20.87	21.01	20.91		
100	QPSK	1	1	21.00	21.12	20.97		
100	QPSK	1	137	20.94	21.04	20.92		
100	QPSK	1	271	20.90	21.04	20.88	22.2	0.0
100	QPSK	135	0	20.90	21.06	20.87		
100	QPSK	135	69	20.91	21.09	20.88		
100	QPSK	135	138	20.94	21.04	20.88		
100	QPSK	270	0	20.92	21.07	20.90	22.2	0.0
100	16QAM	1	1	20.92	21.07	20.89	22.2	0.0
100	64QAM	1	1	20.91	21.08	20.91	22.2	0.0
100	256QAM	1	1	20.03	20.28	20.13	21.5	0.7
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.89	21.05	20.92	22.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.93	21.05	20.93	22.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.88	21.02	20.90	22.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.89	21.08	20.90	22.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.93	21.04	20.89	22.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.90	21.06	20.90	22.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.89	21.04	20.91	22.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.91	21.05	20.90	22.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.87	21.06	20.94	22.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.93	21.05	20.93	22.2	0.0

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	19.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.88		19.8	0.0
100	PI/2 BPSK	1	137		18.83			
100	PI/2 BPSK	1	271		18.82			
100	PI/2 BPSK	135	0		18.88			
100	PI/2 BPSK	135	69		18.81		19.8	0.0
100	PI/2 BPSK	135	138		18.80		19.8	0.0
100	PI/2 BPSK	270	0		18.81			
100	QPSK	1	1		18.93		19.8	0.0
100	QPSK	1	137		18.85			
100	QPSK	1	271		18.89			
100	QPSK	135	0		18.83			
100	QPSK	135	69		18.87		19.8	0.0
100	QPSK	135	138		18.81		19.8	0.0
100	QPSK	270	0		18.86			
100	16QAM	1	1		18.87		19.8	0.0
100	64QAM	1	1		18.88		19.8	0.0
100	256QAM	1	1		18.88		19.5	0.3
Channel				649668	650000	650334	19.8	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		18.30	18.44	18.33	0.0
Channel				649334	650000	650668	19.8	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.35	18.44	18.32	0.0
Channel				649000	650000	651000	19.8	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		18.30	18.46	18.32	0.0
Channel				648668	650000	651334	19.8	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		18.37	18.44	18.31	0.0
Channel				648334	650000	651668	19.8	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		18.30	18.44	18.35	0.0
Channel				648000	650000	652000	19.8	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.34	18.50	18.33	0.0
Channel				647668	650000	652334	19.8	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		18.30	18.46	18.35	0.0
Channel				647334	650000	652668	19.8	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.33	18.45	18.32	0.0
Channel				647168	650000	652834	19.8	MPR
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		18.34	18.46	18.31	0.0
Channel				647000	650000	653000	19.8	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		18.35	18.47	18.34	0.0

Part270 n78 PC2 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	22.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.69		22.8	0.0
100	PI/2 BPSK	1	137		21.61			
100	PI/2 BPSK	1	271		21.62			
100	PI/2 BPSK	135	0		21.70			
100	PI/2 BPSK	135	69		21.64		22.8	0.0
100	PI/2 BPSK	135	138		21.63		22.8	0.0
100	PI/2 BPSK	270	0		21.62			
100	QPSK	1	1		21.77		22.8	0.0
100	QPSK	1	137		21.63			
100	QPSK	1	271		21.68			
100	QPSK	135	0		21.63			
100	QPSK	135	69		21.69		22.8	0.0
100	QPSK	135	138		21.61		22.8	0.0
100	QPSK	270	0		21.67			
100	16QAM	1	1		21.69		22.8	0.0
100	64QAM	1	1		21.70		22.8	0.0
100	256QAM	1	1		21.42		22.5	0.3
Channel				649668	650000	650334	22.8	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		21.54	21.60	21.50	0.0
Channel				649334	650000	650668	22.8	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		21.48	21.55	21.46	0.0
Channel				649000	650000	651000	22.8	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		21.47	21.59	21.49	0.0
Channel				648668	650000	651334	22.8	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		21.42	21.57	21.46	0.0
Channel				648334	650000	651668	22.8	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		21.53	21.55	21.41	0.0
Channel				648000	650000	652000	22.8	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		21.44	21.52	21.45	0.0
Channel				647668	650000	652334	22.8	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		21.53	21.52	21.44	0.0
Channel				647334	650000	652668	22.8	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		21.44	21.53	21.44	0.0
Channel				647168	650000	652834	22.8	MPR
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		21.52	21.55	21.43	0.0
Channel				647000	650000	653000	22.8	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		21.50	21.51	21.44	0.0



Reduced Power Mode for DSI 6

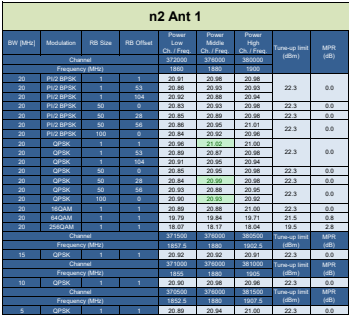
n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.62	22.66	22.54		
20	PI2 BPSK	1	53	22.45	22.58	22.51		
20	PI2 BPSK	1	104	22.29	22.36	22.28	23.5	0.5
20	PI2 BPSK	50	0	22.01	22.16	22.04		
20	PI2 BPSK	50	28	22.53	22.64	22.55		
20	PI2 BPSK	50	56	22.02	22.11	22.01		
20	PI2 BPSK	100	0	22.10	22.19	22.05	23.5	0.5
20	QPSK	1	1	22.63	22.72	22.71		
20	QPSK	1	53	22.50	22.63	22.55		
20	QPSK	1	104	22.37	22.47	22.34		
20	QPSK	50	0	21.52	21.58	21.45	23.0	1.0
20	QPSK	50	28	22.55	22.67	22.62		
20	QPSK	50	56	21.49	21.54	21.46		
20	QPSK	100	0	21.64	21.69	21.60		
20	16QAM	1	1	21.37	21.51	21.44	23.0	1.0
20	64QAM	1	1	20.04	20.08	19.96		
20	256QAM	1	1	17.90	18.02	17.92		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	22.52	22.60	22.59		
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	22.50	22.65	22.64		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	22.52	22.57	22.63		

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				500000	507000	510000	21.7	0.0
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.31	20.44	20.40		
40	PI2 BPSK	1	108	20.26	20.47	20.29		
40	PI2 BPSK	1	214	20.26	20.48	20.32	21.7	0.0
40	PI2 BPSK	108	0	20.23	20.49	20.39		
40	PI2 BPSK	108	54	20.33	20.46	20.35		
40	PI2 BPSK	108	108	20.31	20.41	20.34		
40	PI2 BPSK	216	0	20.34	20.48	20.41	21.7	0.0
40	QPSK	1	1	20.36	20.55	20.44		
40	QPSK	1	108	20.29	20.48	20.36		
40	QPSK	1	214	20.30	20.47	20.31		
40	QPSK	108	0	20.27	20.41	20.32	21.7	0.0
40	QPSK	108	54	20.25	20.52	20.41		
40	QPSK	108	108	20.24	20.42	20.38		
40	QPSK	216	0	20.34	20.47	20.36		
40	16QAM	1	1	20.26	20.40	20.39	21.5	2.2
40	64QAM	1	1	20.30	20.47	20.32		
40	256QAM	1	1	18.65	18.83	18.77		
Channel				503000	507000	511000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2515	2535	2555	20.3	21.7
30	QPSK	1	1	20.34	20.43	20.30		
Channel				502500	507000	511500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2512.5	2535	2557.5	20.3	21.7
25	QPSK	1	1	20.25	20.41	20.30		
Channel				502000	507000	512000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2510	2535	2560	20.3	21.7
20	PI2 BPSK	1	1	20.25	20.49	20.38		
Channel				501500	507000	512500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2507.5	2535	2562.5	20.3	21.7
15	QPSK	1	1	20.30	20.45	20.34		
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2505	2535	2565	20.3	21.7
10	QPSK	1	1	20.27	20.48	20.35		
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2502.5	2535	2567.5	20.3	21.7
5	QPSK	1	1	20.24	20.46	20.40		

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	350000	20.2	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.78	18.95	18.87		
40	PI2 BPSK	1	108	18.83	18.95	18.86		
40	PI2 BPSK	1	214	18.75	19.02	18.95	20.2	0.0
40	PI2 BPSK	108	0	18.72	19.01	18.90		
40	PI2 BPSK	108	54	18.75	19.06	18.90		
40	PI2 BPSK	108	108	18.83	18.99	18.86		
40	PI2 BPSK	216	0	18.79	18.95	18.84	20.2	0.0
40	QPSK	1	1	18.87	19.09	18.99		
40	QPSK	1	108	18.73	19.02	18.95		
40	QPSK	1	214	18.78	18.96	18.84		
40	QPSK	108	0	18.72	18.98	18.94	20.2	0.0
40	QPSK	108	54	18.80	19.06	18.90		
40	QPSK	108	108	18.77	19.03	18.87		
40	QPSK	216	0	18.74	19.01	18.89		
40	16QAM	1	1	18.81	18.99	18.88	20.2	0.0
40	64QAM	1	1	18.81	18.96	18.87		
40	256QAM	1	1	17.81	17.65	17.59		
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	20.2	0.0
30	QPSK	1	1	18.75	18.98	18.90		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	20.2	0.0
20	QPSK	1	1	18.75	19.01	18.87		
Channel				343500	348000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	20.2	0.0
15	QPSK	1	1	18.75	19.05	18.86		
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	20.2	0.0
10	QPSK	1	1	18.81	19.03	18.95		
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	20.2	0.0
5	QPSK	1	1	18.73	18.95	18.88		

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	22.13	22.04	21.92	23.2	0.0
40	PI/2 BPSK	1	53	22.08	22.12	21.94		
40	PI/2 BPSK	1	104	22.08	22.05	21.99		
40	PI/2 BPSK	50	0	22.11	22.11	21.95		
40	PI/2 BPSK	50	28	22.14	22.11	21.95	23.2	0.0
40	PI/2 BPSK	50	56	22.10	22.10	21.88	23.2	0.0
40	PI/2 BPSK	100	0	22.14	22.07	21.89		
40	QPSK	1	1	22.09	22.16	22.09	23.2	0.0
40	QPSK	1	53	22.10	22.03	22.01		
40	QPSK	1	104	22.17	22.01	22.01		
40	QPSK	50	0	21.99	22.03	21.87		
40	QPSK	50	28	22.12	22.13	22.12	23.2	0.0
40	QPSK	50	56	21.87	22.06	21.99	23.0	0.2
40	QPSK	100	0	22.00	22.10	21.93		
40	16QAM	1	1	21.80	21.96	21.97	23.0	0.2
40	64QAM	1	1	20.40	20.54	20.47	21.5	1.7
40	256QAM	1	1	18.14	18.29	18.16	19.5	3.7
Channel				517092	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.01	22.05	21.83	23.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.04	22.06	21.91	23.2	0.0
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.03	21.90	21.87	23.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.04	22.00	21.88	23.2	0.0

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	22.19	22.19	21.99	23.2	0.0
100	PI/2 BPSK	1	137	22.14	22.20	22.06		
100	PI/2 BPSK	1	271	22.23	22.15	22.08		
100	PI/2 BPSK	135	0	22.14	22.15	22.05		
100	PI/2 BPSK	135	69	22.18	22.19	22.03	23.2	0.0
100	PI/2 BPSK	135	138	22.16	22.16	22.01	23.2	0.0
100	PI/2 BPSK	270	0	22.22	22.15	22.01		
100	QPSK	1	1	22.23	22.27	22.19	23.2	0.0
100	QPSK	1	137	22.16	22.16	22.05		
100	QPSK	1	271	22.22	22.13	22.09		
100	QPSK	135	0	21.94	21.95	21.87		
100	QPSK	135	69	22.20	22.22	22.17	23.2	0.0
100	QPSK	135	138	21.98	21.97	21.85	23.0	0.2
100	QPSK	270	0	21.91	21.96	21.93		
100	16QAM	1	1	22.04	21.99	21.92	23.0	0.2
100	64QAM	1	1	20.47	20.44	20.34	21.5	1.7
100	256QAM	1	1	18.78	18.80	18.72	19.5	3.7
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593.99	2644.98		
90	QPSK	1	1	22.14	22.13	22.04	23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2593.99	2649.99		
80	QPSK	1	1	22.21	22.23	22.06	23.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2593.99	2655		
70	QPSK	1	1	22.18	22.16	22.05	23.2	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593.99	2659.98		
60	QPSK	1	1	22.23	22.12	22.04	23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2593.99	2664.99		
50	QPSK	1	1	22.17	22.12	22.00	23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2593.99	2670		
40	QPSK	1	1	22.19	22.15	22.09	23.2	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2593.99	2674.98		
30	QPSK	1	1	22.18	22.20	22.02	23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2593.99	2679.99		
20	QPSK	1	1	22.22	22.15	22.05	23.2	0.0



n5 Ant 1							
RF (MHz)	Modulation	RF Size	RF Offset	Power Ch/Flux	Power Ch/Flux	Power Ch/Flux	RF size (deg)
Channel				RF Size	RF Size		
50	PSK16QAM	1	0	22.88	22.88	22.88	0.0
50	PSK16QAM	1	50	22.88	22.88	22.88	0.0
50	PSK16QAM	1	100	22.75	22.82	22.88	0.0
50	PSK16QAM	50	0	22.88	22.88	22.88	0.0
50	PSK16QAM	50	50	22.88	22.81	22.88	0.5
50	PSK16QAM	50	100	22.88	22.81	22.88	0.5
50	PSK16QAM	100	0	22.45	22.51	22.51	0.5
50	QPSK	1	0	22.51	22.58	22.57	0.0
50	QPSK	1	50	22.51	22.58	22.57	0.0
50	QPSK	1	100	22.57	22.68	22.68	0.0
50	QPSK	50	0	22.51	22.58	22.57	0.0
50	QPSK	50	50	22.88	22.85	22.88	0.0
50	QPSK	50	100	22.57	22.68	22.68	0.0
50	QPSK	100	0	22.51	22.58	22.57	0.0
50	QPSK	100	50	22.51	22.58	22.57	1.0
50	16QAM	1	0	21.83	21.89	21.83	0.0
50	16QAM	1	50	21.83	21.89	21.83	0.0
50	16QAM	1	100	21.84	21.88	21.82	0.0
50	16QAM	50	0	19.24	19.28	19.22	0.5
50	16QAM	50	50	19.24	19.28	19.22	0.5
50	16QAM	50	100	19.24	19.28	19.22	0.5
15	QPSK	1	0	22.88	22.89	22.88	0.0
15	QPSK	1	50	22.88	22.89	22.88	0.0
15	QPSK	1	100	22.88	22.89	22.88	0.0
15	QPSK	50	0	22.88	22.89	22.88	0.0
15	QPSK	50	50	22.88	22.89	22.88	0.0
15	QPSK	50	100	22.88	22.89	22.88	0.0
15	QPSK	100	0	22.88	22.89	22.88	0.0
15	QPSK	100	50	22.88	22.89	22.88	0.0
15	QPSK	100	100	22.88	22.89	22.88	0.0
5	QPSK	1	0	22.87	22.84	22.77	0.0

n7 Ant 1							
Bit (MHz)	Modulation	RB Size	RB Offset	Subcarrier Spacing	Power Spectrum Density	Power Spectrum Density	Power Spectral Density
Frequency (MHz)							
-60	PB-SSB	1	24	20.24	20.24	20.24	
-60	PB-SSB	1	104	20.24	20.24	20.24	21.4
-60	PB-SSB	1	204	20.24	20.24	20.24	21.4
-60	PB-SSB	104	0	20.24	20.44	20.24	21.4
-60	PB-SSB	104	104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	1904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	2904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	3904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	4904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	5904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	6904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	7904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	8904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	9904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	10904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	11904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	12904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	13904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14704	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14804	20.24	20.44	20.24	21.4
-60	PB-SSB	104	14904	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15004	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15104	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15204	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15304	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15404	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15504	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15604	20.24	20.44	20.24	21.4
-60	PB-SSB	104	15704	20.24	20.44	20.24	21.4
-60	PB-SSB</						

n66 Ant 1									
RF MHz	Modulation	RF Size	RF Offset	Low Power 346000	Low Power 349000	Power Gain 348000	Power Gain 349000	Interp. gain dB	MPH dB
Frequency MHz									
40	PSK25QAM	1	0	20.82	20.83	20.83	20.83		
40	PSK25QAM	1	100	20.81	20.80	20.83	20.83	22.5	0.0
40	PSK25QAM	1	-100	20.82	20.83	20.83	20.83		
40	PSK25QAM	100	0	20.84	20.83	20.83	20.83	22.5	0.0
40	PSK25QAM	100	100	20.83	20.82	20.84	20.84	22.5	0.0
40	PSK25QAM	100	-100	20.82	20.83	20.84	20.84	22.5	0.0
40	QPSK	1	0	20.90	20.90	20.90	20.90		
40	QPSK	1	100	20.89	20.88	20.90	20.90	22.5	0.0
40	QPSK	1	-100	20.90	20.90	20.90	20.90		
40	QPSK	100	0	20.90	20.91	20.90	20.90	22.5	0.0
40	QPSK	100	100	20.89	20.88	20.91	20.91	22.5	0.0
40	QPSK	100	-100	20.90	20.89	20.91	20.91	22.5	0.0
40	16QAM	1	0	20.85	20.87	20.86	20.86		
40	16QAM	1	100	20.84	20.85	20.86	20.86	22.5	0.0
40	16QAM	1	-100	20.85	20.87	20.86	20.86		
40	16QAM	100	0	20.85	20.87	20.86	20.86	22.5	0.0
40	16QAM	100	100	20.84	20.85	20.86	20.86	22.5	0.0
40	16QAM	100	-100	20.85	20.87	20.86	20.86	22.5	0.0
Frequency MHz									
50	QPSK	1	0	20.90	21.00	20.93	20.93		
50	QPSK	1	100	20.89	20.99	20.93	20.93	22.5	0.0
50	QPSK	1	-100	20.90	21.00	20.93	20.93		
50	QPSK	100	0	20.92	21.04	20.93	20.93	22.5	0.0
50	QPSK	100	100	20.91	21.03	20.93	20.93	22.5	0.0
50	QPSK	100	-100	20.92	21.04	20.93	20.93	22.5	0.0
50	QPSK	1	0	20.90	20.99	20.93	20.93		
50	QPSK	1	100	20.89	20.99	20.93	20.93	22.5	0.0
50	QPSK	1	-100	20.90	20.99	20.93	20.93		
50	QPSK	100	0	20.91	21.03	20.93	20.93	22.5	0.0
50	QPSK	100	100	20.90	21.02	20.93	20.93	22.5	0.0
50	QPSK	100	-100	20.91	21.03	20.93	20.93	22.5	0.0
50	QPSK	1	0	20.91	20.99	20.93	20.93		
50	QPSK	1	100	20.90	20.99	20.93	20.93	22.5	0.0
50	QPSK	1	-100	20.91	20.99	20.93	20.93		
50	QPSK	100	0	20.91	21.03	20.93	20.93	22.5	0.0
50	QPSK	100	100	20.90	21.02	20.93	20.93	22.5	0.0
50	QPSK	100	-100	20.91	21.03	20.93	20.93	22.5	0.0

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	20.9	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.37	19.37	19.38	20.9	0.0
40	PI/2 BPSK	1	53	19.33	19.39	19.31		
40	PI/2 BPSK	1	104	19.36	19.35	19.28		
40	PI/2 BPSK	50	0	19.40	19.38	19.38		
40	PI/2 BPSK	50	28	19.34	19.48	19.22	20.9	0.0
40	PI/2 BPSK	50	56	19.36	19.36	19.39	20.9	0.0
40	PI/2 BPSK	100	0	19.45	19.51	19.30		
40	QPSK	1	1	19.44	19.55	19.39	20.9	0.0
40	QPSK	1	53	19.29	19.53	19.33		
40	QPSK	1	104	19.38	19.41	19.32		
40	QPSK	50	0	19.43	19.37	19.34		
40	QPSK	50	28	19.26	19.47	19.31	20.9	0.0
40	QPSK	50	56	19.38	19.44	19.27	20.9	0.0
40	QPSK	100	0	19.32	19.41	19.28		
40	16QAM	1	1	19.32	19.49	19.35	20.9	0.0
40	64QAM	1	1	19.30	19.48	19.35	20.9	0.0
40	256QAM	1	1	17.86	18.02	17.93	19.5	1.4
Channel				517002	519000	520998	20.9	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.37	19.40	19.30	20.9	0.0
Channel				516000	519000	522000	20.9	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.37	19.45	19.29	20.9	0.0
Channel				515592	519000	522498	20.9	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.35	19.43	19.24	20.9	0.0
Channel				515004	519000	522996	20.9	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.33	19.49	19.30	20.9	0.0

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	20.9	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.41	19.45	19.41	20.9	0.0
100	PI/2 BPSK	1	137	19.44	19.49	19.36		
100	PI/2 BPSK	1	271	19.51	19.44	19.42		
100	PI/2 BPSK	135	0	19.46	19.47	19.44		
100	PI/2 BPSK	135	69	19.49	19.52	19.36	20.9	0.0
100	PI/2 BPSK	135	138	19.41	19.48	19.44	20.9	0.0
100	PI/2 BPSK	270	0	19.50	19.55	19.42		
100	QPSK	1	1	19.54	19.59	19.47	20.9	0.0
100	QPSK	1	137	19.40	19.56	19.44		
100	QPSK	1	271	19.50	19.44	19.42		
100	QPSK	135	0	19.48	19.50	19.41		
100	QPSK	135	69	19.39	19.54	19.40	20.9	0.0
100	QPSK	135	138	19.49	19.48	19.38	20.9	0.0
100	QPSK	270	0	19.46	19.52	19.35		
100	16QAM	1	1	19.41	19.53	19.40	20.9	0.0
100	64QAM	1	1	19.50	19.55	19.40	20.9	0.0
100	256QAM	1	1	17.02	17.89	17.57	19.5	1.4
Channel				508200	518598	528998	20.9	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.42	19.51	19.43	20.9	0.0
Channel				507204	518598	529998	20.9	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.45	19.50	19.41	20.9	0.0
Channel				506202	518598	531000	20.9	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.45	19.47	19.43	20.9	0.0
Channel				505200	518598	531998	20.9	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.44	19.48	19.43	20.9	0.0
Channel				504204	518598	532998	20.9	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.43	19.49	19.40	20.9	0.0
Channel				503202	518598	534000	20.9	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.47	19.51	19.38	20.9	0.0
Channel				502200	518598	534998	20.9	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.48	19.50	19.39	20.9	0.0
Channel				501204	518598	535998	20.9	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.41	19.54	19.36	20.9	0.0

Part270 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.97	16.03	15.92	17.2	0.0
100	PI/2 BPSK	1	137	15.95	15.99	15.94		
100	PI/2 BPSK	1	271	15.93	16.03	15.96		
100	PI/2 BPSK	135	0	15.96	16.01	15.92		
100	PI/2 BPSK	135	69	15.96	16.03	15.97	17.2	0.0
100	PI/2 BPSK	135	138	15.98	16.05	15.95	17.2	0.0
100	PI/2 BPSK	270	0	15.94	16.05	15.95		
100	QPSK	1	1	16.01	16.08	16.00	17.2	0.0
100	QPSK	1	137	15.97	16.02	15.95		
100	QPSK	1	271	15.93	16.04	15.97		
100	QPSK	135	0	15.95	16.02	15.91		
100	QPSK	135	69	15.97	16.04	15.97	17.2	0.0
100	QPSK	135	138	15.95	15.99	15.94	17.2	0.0
100	QPSK	270	0	15.95	15.99	15.92		
100	16QAM	1	1	15.95	16.01	15.94	17.2	0.0
100	64QAM	1	1	15.95	16.04	15.96	17.2	0.0
100	256QAM	1	1	15.96	15.99	15.93	17.2	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.96	16.05	15.95	17.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.95	16.04	15.95	17.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.97	16.04	15.94	17.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.97	16.01	15.92	17.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.97	16.03	15.94	17.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.97	16.00	15.97	17.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.98	16.04	15.95	17.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.96	16.03	15.91	17.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	15.95	15.99	15.96	17.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.93	16.03	15.92	17.2	0.0

Part270 n77 PC2 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.90	16.93	16.83	20.2	0.0
100	PI/2 BPSK	1	137	16.84	16.86	16.83		
100	PI/2 BPSK	1	271	16.81	16.90	16.88		
100	PI/2 BPSK	135	0	16.84	16.92	16.80		
100	PI/2 BPSK	135	69	16.84	16.91	16.86	20.2	0.0
100	PI/2 BPSK	135	138	16.91	16.95	16.84	20.2	0.0
100	PI/2 BPSK	270	0	16.82	16.90	16.84		
100	QPSK	1	1	16.89	16.97	16.90	20.2	0.0
100	QPSK	1	137	16.85	16.92	16.83		
100	QPSK	1	271	16.82	16.93	16.88		
100	QPSK	135	0	16.88	16.94	16.80		
100	QPSK	135	69	16.86	16.96	16.86	20.2	0.0
100	QPSK	135	138	16.92	16.94	16.84	20.2	0.0
100	QPSK	270	0	16.85	16.90	16.80		
100	16QAM	1	1	16.85	16.89	16.83	20.2	0.0
100	64QAM	1	1	16.85	16.94	16.83	20.2	0.0
100	256QAM	1	1	16.89	16.88	16.95	20.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.83	16.88	16.95	20.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.87	16.88	16.79	20.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.87	16.88	16.80	20.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.85	16.91	16.81	20.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.87	16.89	16.83	20.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.85	16.91	16.82	20.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.84	16.88	16.85	20.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.87	16.88	16.80	20.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.88	16.90	16.82	20.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.85	16.88	16.80	20.2	0.0

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				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		16.00		17.2	0.0	
100	PI/2 BPSK	1	137		15.93				
100	PI/2 BPSK	1	271		15.95				
100	PI/2 BPSK	135	0		15.98				
100	PI/2 BPSK	135	69		15.98		17.2	0.0	
100	PI/2 BPSK	135	138		16.01		17.2	0.0	
100	PI/2 BPSK	270	0		15.99		17.2	0.0	
100	QPSK	1	1		16.02		17.2	0.0	
100	QPSK	1	137		15.94				
100	QPSK	1	271		15.97				
100	QPSK	135	0		15.96				
100	QPSK	135	69		16.01		17.2	0.0	
100	QPSK	135	138		15.96		17.2	0.0	
100	QPSK	270	0		15.93		17.2	0.0	
100	16QAM	1	1		15.93		17.2	0.0	
100	64QAM	1	1		15.98		17.2	0.0	
100	256QAM	1	1		15.91		17.2	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.88	15.92	15.87	17.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.90	15.91	15.87	17.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.87	15.95	15.87	17.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.86	15.95	15.89	17.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.90	15.91	15.83	17.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.86	15.91	15.86	17.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.92	15.95	15.83	17.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.87	15.93	15.88	17.2	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.92	15.95	15.89	17.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		15.92	15.92	15.85	17.2	0.0

Part270 n78 PC2 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.84		20.2	0.0
100	PI/2 BPSK	1	137		18.78			
100	PI/2 BPSK	1	271		18.82			
100	PI/2 BPSK	135	0		18.89	20.2		
100	PI/2 BPSK	135	69		18.82		20.2	0.0
100	PI/2 BPSK	135	138		18.87		20.2	0.0
100	PI/2 BPSK	270	0		18.84			
100	QPSK	1	1		18.94		20.2	0.0
100	QPSK	1	137		18.86			
100	QPSK	1	271		18.88			
100	QPSK	135	0		18.91	20.2		
100	QPSK	135	69		18.92		20.2	0.0
100	QPSK	135	138		18.84		20.2	0.0
100	QPSK	270	0		18.86		20.2	0.0
100	16QAM	1	1		18.83		20.2	0.0
100	64QAM	1	1		18.87		20.2	0.0
100	256QAM	1	1		18.84		20.2	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.75	18.83	18.82	20.2	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.80	18.81	18.77	20.2	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.80	18.84	18.82	20.2	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.74	18.82	18.79	20.2	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.75	18.81	18.81	20.2	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.76	18.84	18.79	20.2	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.76	18.84	18.78	20.2	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.78	18.84	18.78	20.2	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.78	18.83	18.79	20.2	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.79	18.80	18.77	20.2	0.0

Part270 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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.35	19.45	19.31	20.6	0.0
100	PI/2 BPSK	1	137	19.39	19.48	19.30		
100	PI/2 BPSK	1	271	19.39	19.44	19.28		
100	PI/2 BPSK	135	0	19.38	19.46	19.30		
100	PI/2 BPSK	135	69	19.35	19.47	19.30		
100	PI/2 BPSK	135	138	19.37	19.46	19.27	20.6	0.0
100	PI/2 BPSK	270	0	19.36	19.47	19.26		
100	QPSK	1	1	19.42	19.53	19.34		
100	QPSK	1	137	19.45	19.51	19.33		
100	QPSK	1	271	19.43	19.52	19.34		
100	QPSK	135	0	19.41	19.46	19.29	20.5	0.1
100	QPSK	135	69	19.38	19.47	19.30		
100	QPSK	135	138	19.41	19.46	19.32		
100	QPSK	270	0	19.39	19.45	19.29		
100	16QAM	1	1	19.38	19.46	19.28		
100	64QAM	1	1	18.39	18.43	18.38	19.0	1.6
100	256QAM	1	1	16.08	16.16	16.07		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	20.6	0.0
90	QPSK	1	1	19.39	19.44	19.26		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	20.6	0.0
80	QPSK	1	1	19.34	19.47	19.31		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	20.6	0.0
70	QPSK	1	1	19.38	19.47	19.30		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	20.6	0.0
60	QPSK	1	1	19.36	19.47	19.27		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	20.6	0.0
50	QPSK	1	1	19.38	19.49	19.25		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	20.6	0.0
40	QPSK	1	1	19.38	19.48	19.31		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	20.6	0.0
30	QPSK	1	1	19.38	19.43	19.28		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	20.6	0.0
20	QPSK	1	1	19.36	19.46	19.28		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	20.6	0.0
15	QPSK	1	1	19.36	19.48	19.25		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	20.6	0.0
10	QPSK	1	1	19.35	19.46	19.30		

Part270 n77 PC2 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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.25	22.37	22.20	23.6	0.0
100	PI/2 BPSK	1	137	22.28	22.38	22.19		
100	PI/2 BPSK	1	271	22.26	22.32	22.21		
100	PI/2 BPSK	135	0	22.27	22.35	22.23		
100	PI/2 BPSK	135	69	22.26	22.37	22.21		
100	PI/2 BPSK	135	138	22.28	22.36	22.14	23.6	0.0
100	PI/2 BPSK	270	0	22.27	22.36	22.16		
100	QPSK	1	1	22.29	22.44	22.33		
100	QPSK	1	137	22.32	22.42	22.21		
100	QPSK	1	271	22.30	22.40	22.25		
100	QPSK	135	0	22.31	22.34	22.16	23.5	0.1
100	QPSK	135	69	22.27	22.36	22.17		
100	QPSK	135	138	22.32	22.35	22.20		
100	QPSK	270	0	22.29	22.34	22.18		
100	16QAM	1	1	22.32	22.36	22.21		
100	64QAM	1	1	20.72	20.77	20.73	22.0	1.6
100	256QAM	1	1	16.57	16.66	16.58		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	23.6	0.0
90	QPSK	1	1	22.29	22.38	22.18		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	23.6	0.0
80	QPSK	1	1	22.30	22.38	22.19		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	23.6	0.0
70	QPSK	1	1	22.33	22.37	22.18		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	23.6	0.0
60	QPSK	1	1	22.31	22.35	22.18		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	23.6	0.0
50	QPSK	1	1	22.29	22.38	22.18		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.6	0.0
40	QPSK	1	1	22.30	22.36	22.20		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	23.6	0.0
30	QPSK	1	1	22.30	22.36	22.17		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	23.6	0.0
20	QPSK	1	1	22.30	22.37	22.16		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	23.6	0.0
15	QPSK	1	1	22.29	22.34	22.16		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	23.6	0.0
10	QPSK	1	1	22.33	22.36	22.19		

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	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.13		20.5	0.0	
100	PI/2 BPSK	1	137		19.16				
100	PI/2 BPSK	1	271		19.16				
100	PI/2 BPSK	135	0		19.13		20.5	0.0	
100	PI/2 BPSK	135	69		19.16		20.5	0.0	
100	PI/2 BPSK	135	138		19.16		20.5	0.0	
100	PI/2 BPSK	270	0		19.15				
100	QPSK	1	1		19.23		20.5	0.0	
100	QPSK	1	137		19.19				
100	QPSK	1	271		19.21				
100	QPSK	135	0		19.17		20.5	0.0	
100	QPSK	135	69		19.18		20.5	0.0	
100	QPSK	135	138		19.16		20.5	0.0	
100	QPSK	270	0		19.15				
100	16QAM	1	1		19.18		20.5	0.0	
100	64QAM	1	1		19.10		20.5	0.0	
100	256QAM	1	1		18.67		19.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.21	19.20	19.18	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.20	19.00	19.19	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.20	19.20	19.17	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.18	19.20	19.16	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.20	19.20	19.15	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.22	19.20	19.14	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		19.20	19.20	19.17	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.21	19.21	19.18	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.19	19.22	19.16	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.20	19.19	19.15	20.5	0.0

Part270 n78 PC2 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	3750	3750		
100	PI/2 BPSK	1	1		22.03		23.5	0.0
100	PI/2 BPSK	1	137		22.10			
100	PI/2 BPSK	1	271		22.08			
100	PI/2 BPSK	135	0		22.04			
100	PI/2 BPSK	135	69		22.04		23.5	0.0
100	PI/2 BPSK	135	138		22.09		23.5	0.0
100	PI/2 BPSK	270	0		22.06			
100	QPSK	1	1		22.15		23.5	0.0
100	QPSK	1	137		22.13			
100	QPSK	1	271		22.13			
100	QPSK	135	0		22.09			
100	QPSK	135	69		22.11		23.5	0.0
100	QPSK	135	138		22.08		23.5	0.0
100	QPSK	270	0		22.07			
100	16QAM	1	1		22.09		23.5	0.0
100	64QAM	1	1		22.04		23.5	0.0
100	256QAM	1	1		20.92		22.5	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.07	21.98	22.08	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.05	22.00	22.08	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.03	22.03	22.09	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.07	22.03	22.10	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.05	22.00	22.07	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.09	22.01	22.10	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.05	22.00	22.10	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.08	22.01	22.08	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.03	22.00	22.11	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.05	21.99	22.08	23.5	0.0

Part270 n77 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.05	20.13	20.07	20.5	0.0
100	PI/2 BPSK	1	137	20.08	20.16	20.09		
100	PI/2 BPSK	1	271	19.62	19.68	19.62		
100	PI/2 BPSK	135	0	19.44	19.53	19.47		
100	PI/2 BPSK	135	69	19.67	19.76	19.72		
100	PI/2 BPSK	135	138	19.07	19.11	19.01		
100	PI/2 BPSK	270	0	19.22	19.29	19.20	20.5	0.0
100	QPSK	1	1	20.09	20.19	20.11		
100	QPSK	1	137	20.01	20.09	20.01		
100	QPSK	1	271	19.61	19.65	19.57		
100	QPSK	135	0	18.86	18.92	18.84		
100	QPSK	135	69	19.71	19.80	19.75		
100	QPSK	135	138	18.15	18.24	18.16	20.0	0.5
100	QPSK	270	0	18.26	18.36	18.31		
100	16QAM	1	1	19.33	19.42	19.37		
100	64QAM	1	1	17.43	17.48	17.38		
100	256QAM	1	1	15.41	15.49	15.42		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.80	19.95	19.84	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.81	19.93	19.85	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.79	19.93	19.84	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.81	19.80	19.85	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.82	19.95	19.85	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.81	19.90	19.82	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.82	19.92	19.83	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.81	19.94	19.83	20.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	19.83	19.93	19.86	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.83	19.94	19.83	20.5	0.0

Part270 n77 PC2 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	23.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.96	23.04	23.00	23.5	0.0
100	PI/2 BPSK	1	137	22.94	23.01	22.95		
100	PI/2 BPSK	1	271	22.73	22.81	22.71		
100	PI/2 BPSK	135	0	22.38	22.43	22.34		
100	PI/2 BPSK	135	69	22.77	22.86	22.78		
100	PI/2 BPSK	135	138	22.06	22.15	22.10		
100	PI/2 BPSK	270	0	22.19	22.27	22.17	23.5	0.0
100	QPSK	1	1	23.01	23.09	23.07		
100	QPSK	1	137	22.67	22.94	22.85		
100	QPSK	1	271	22.80	22.89	22.82		
100	QPSK	135	0	21.91	21.95	21.87		
100	QPSK	135	69	22.75	22.83	22.73		
100	QPSK	135	138	21.48	21.54	21.48	23.0	0.5
100	QPSK	270	0	21.70	21.76	21.70		
100	16QAM	1	1	21.88	21.96	21.92		
100	64QAM	1	1	20.34	20.41	20.33		
100	256QAM	1	1	18.34	18.39	18.29		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.80	22.84	22.54	23.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.85	22.82	22.52	23.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.85	22.85	22.57	23.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.89	22.83	22.56	23.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.81	22.85	22.57	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.82	22.82	22.56	23.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.81	22.84	22.53	23.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.83	22.80	22.57	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	22.84	22.82	22.56	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.81	22.84	22.56	23.5	0.0

Part270 n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.40			
100	PI/2 BPSK	1	137		19.39			
100	PI/2 BPSK	1	271		19.38			
100	PI/2 BPSK	135	0		19.40		20.5	0.0
100	PI/2 BPSK	135	69		19.42		20.5	0.0
100	PI/2 BPSK	135	138		19.39		20.5	0.0
100	PI/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.45			
100	QPSK	1	137		19.42		20.5	0.0
100	QPSK	1	271		19.41			
100	QPSK	135	0		19.37		20.5	0.0
100	QPSK	135	69		19.42		20.5	0.0
100	QPSK	135	138		19.41		20.5	0.0
100	QPSK	270	0		19.40			
100	16QAM	1	1		19.34		20.5	0.0
100	64QAM	1	1		19.33		20.5	0.0
100	256QAM	1	1		19.64		19.5	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		19.04	19.12	19.15	20.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		19.08	19.12	19.13	20.5
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		19.07	19.07	19.17	20.5
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		19.03	19.12	19.15	20.5
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		19.05	19.10	19.15	20.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		19.04	19.09	19.12	20.5
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		19.05	19.07	19.16	20.5
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		19.08	19.07	19.16	20.5
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		19.03	19.12	19.14	20.5
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		19.08	19.10	19.14	20.5

Part270 n78 PC2 Ant 5

BW [MHz]	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	23.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.30			
100	PI/2 BPSK	1	137		22.31			
100	PI/2 BPSK	1	271		22.28			
100	PI/2 BPSK	135	0		22.29		23.5	0.0
100	PI/2 BPSK	135	69		22.36		23.5	0.0
100	PI/2 BPSK	135	138		22.31		23.5	0.0
100	PI/2 BPSK	270	0		22.36			
100	QPSK	1	1		22.39			
100	QPSK	1	137		22.33		23.5	0.0
100	QPSK	1	271		22.32			
100	QPSK	135	0		22.27		23.5	0.0
100	QPSK	135	69		22.35		23.5	0.0
100	QPSK	135	138		22.31		23.5	0.0
100	QPSK	270	0		22.33			
100	16QAM	1	1		22.25		23.5	0.0
100	64QAM	1	1		22.22		23.5	0.0
100	256QAM	1	1		20.77		22.5	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		22.10	22.11	22.16	23.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		22.08	22.10	22.15	23.5
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		22.11	22.13	22.14	23.5
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		22.09	22.13	22.17	23.5
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		22.10	22.13	22.17	23.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		22.13	22.14	22.16	23.5
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		22.11	22.11	22.13	23.5
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		22.13	22.11	22.17	23.5
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		22.10	22.11	22.13	23.5
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		22.14	22.14	22.14	23.5

Part270 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	18.03	18.17	17.99	19.2	0.0
100	PI/2 BPSK	1	137	18.02	18.15	17.98		
100	PI/2 BPSK	1	271	18.02	18.13	17.98		
100	PI/2 BPSK	135	0	17.98	18.17	17.98		
100	PI/2 BPSK	135	69	17.99	18.13	17.98	19.2	0.0
100	PI/2 BPSK	135	138	18.03	18.12	17.99	19.2	0.0
100	PI/2 BPSK	270	0	17.97	18.13	17.99		
100	QPSK	1	1	18.06	18.21	18.05		
100	QPSK	1	137	18.02	18.14	18.00		
100	QPSK	1	271	17.98	18.16	17.99	19.2	0.0
100	QPSK	135	0	18.02	18.14	17.98		
100	QPSK	135	69	18.02	18.17	17.99		
100	QPSK	135	138	18.00	18.13	17.97		
100	QPSK	270	0	17.99	18.14	18.00	19.2	0.0
100	16QAM	1	1	17.99	18.16	18.00		
100	64QAM	1	1	18.00	18.17	18.01		
100	256QAM	1	1	17.14	17.10	17.06		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	19.2	0.0
90	QPSK	1	1	18.02	18.13	17.99		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	19.2	0.0
80	QPSK	1	1	17.98	18.12	18.02		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	19.2	0.0
70	QPSK	1	1	17.98	18.15	17.97		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	19.2	0.0
60	QPSK	1	1	18.02	18.12	18.00		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	19.2	0.0
50	QPSK	1	1	18.01	18.17	18.00		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	19.2	0.0
40	QPSK	1	1	18.03	18.14	18.02		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	19.2	0.0
30	QPSK	1	1	18.03	18.16	17.98		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	19.2	0.0
20	QPSK	1	1	18.01	18.16	18.01		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.51	19.2	0.0
15	QPSK	1	1	18.02	18.14	18.00		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	19.2	0.0
10	QPSK	1	1	17.98	18.15	18.01		

Part270 n77 PC2 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	22.2	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.97	21.08	20.90		
100	PI/2 BPSK	1	137	20.94	21.08	20.91		
100	PI/2 BPSK	1	271	20.94	21.03	20.89	22.2	0.0
100	PI/2 BPSK	135	0	20.88	21.10	20.90		
100	PI/2 BPSK	135	69	20.92	21.01	20.88		
100	PI/2 BPSK	135	138	20.94	21.04	20.90		
100	PI/2 BPSK	270	0	20.87	21.01	20.91	22.2	0.0
100	QPSK	1	1	21.00	21.12	20.97	22.2	0.0
100	QPSK	1	137	20.94	21.04	20.92		
100	QPSK	1	271	20.90	21.04	20.88		
100	QPSK	135	0	20.90	21.06	20.87		
100	QPSK	135	69	20.91	21.09	20.88	22.2	0.0
100	QPSK	135	138	20.94	21.04	20.88	22.2	0.0
100	QPSK	270	0	20.92	21.07	20.90		
100	16QAM	1	1	20.92	21.07	20.89		
100	64QAM	1	1	20.91	21.08	20.91		
100	256QAM	1	1	20.03	20.28	20.13	21.5	0.7
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	22.2	0.0
90	QPSK	1	1	20.88	21.05	20.92		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	22.2	0.0
80	QPSK	1	1	20.93	21.05	20.93		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	22.2	0.0
70	QPSK	1	1	20.88	21.02	20.90		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	22.2	0.0
60	QPSK	1	1	20.88	21.08	20.90		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	22.2	0.0
50	QPSK	1	1	20.93	21.04	20.89		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	22.2	0.0
40	QPSK	1	1	20.90	21.06	20.90		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	22.2	0.0
30	QPSK	1	1	20.89	21.04	20.91		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	22.2	0.0
20	QPSK	1	1	20.91	21.05	20.90		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	22.2	0.0
15	QPSK	1	1	20.87	21.06	20.94		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	22.2	0.0
10	QPSK	1	1	20.93	21.05	20.93		

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	19.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.88		19.8	0.0
100	PI/2 BPSK	1	137		18.83			
100	PI/2 BPSK	1	271		18.82			
100	PI/2 BPSK	135	0		18.88			
100	PI/2 BPSK	135	69		18.81		19.8	0.0
100	PI/2 BPSK	135	138		18.80		19.8	0.0
100	PI/2 BPSK	270	0		18.81			
100	QPSK	1	1		18.93		19.8	0.0
100	QPSK	1	137		18.85			
100	QPSK	1	271		18.89			
100	QPSK	135	0		18.83			
100	QPSK	135	69		18.87		19.8	0.0
100	QPSK	135	138		18.81		19.8	0.0
100	QPSK	270	0		18.86			
100	16QAM	1	1		18.87		19.8	0.0
100	64QAM	1	1		18.88		19.8	0.0
100	256QAM	1	1		18.88		19.5	0.3
Channel				649668	650000	650334	19.8	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		18.30	18.44	18.30	0.0
Channel				649334	650000	650668	19.8	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.35	18.44	18.32	0.0
Channel				649000	650000	651000	19.8	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		18.30	18.46	18.32	0.0
Channel				648668	650000	651334	19.8	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		18.37	18.44	18.31	0.0
Channel				648334	650000	651668	19.8	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		18.30	18.44	18.35	0.0
Channel				648000	650000	652000	19.8	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.34	18.50	18.33	0.0
Channel				647668	650000	652334	19.8	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		18.30	18.46	18.35	0.0
Channel				647334	650000	652668	19.8	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.33	18.45	18.32	0.0
Channel				647168	650000	652834	19.8	MPR
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		18.34	18.46	18.31	0.0
Channel				647000	650000	653000	19.8	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		18.35	18.47	18.34	0.0

Part270 n78 PC2 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	22.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.69		22.8	0.0
100	PI/2 BPSK	1	137		21.61			
100	PI/2 BPSK	1	271		21.62			
100	PI/2 BPSK	135	0		21.70			
100	PI/2 BPSK	135	69		21.64		22.8	0.0
100	PI/2 BPSK	135	138		21.63		22.8	0.0
100	PI/2 BPSK	270	0		21.62			
100	QPSK	1	1		21.77		22.8	0.0
100	QPSK	1	137		21.63			
100	QPSK	1	271		21.68			
100	QPSK	135	0		21.63			
100	QPSK	135	69		21.69		22.8	0.0
100	QPSK	135	138		21.61		22.8	0.0
100	QPSK	270	0		21.67			
100	16QAM	1	1		21.69		22.8	0.0
100	64QAM	1	1		21.70		22.8	0.0
100	256QAM	1	1		21.42		22.5	0.3
Channel				649668	650000	650334	22.8	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		21.54	21.60	21.50	0.0
Channel				649334	650000	650668	22.8	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		21.48	21.55	21.46	0.0
Channel				649000	650000	651000	22.8	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		21.47	21.59	21.49	0.0
Channel				648668	650000	651334	22.8	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		21.42	21.57	21.46	0.0
Channel				648334	650000	651668	22.8	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		21.53	21.55	21.41	0.0
Channel				648000	650000	652000	22.8	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		21.44	21.52	21.45	0.0
Channel				647668	650000	652334	22.8	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		21.53	21.52	21.44	0.0
Channel				647334	650000	652668	22.8	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		21.44	21.53	21.44	0.0
Channel				647168	650000	652834	22.8	MPR
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		21.52	21.55	21.43	0.0
Channel				647000	650000	653000	22.8	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		21.50	21.51	21.44	0.0

Reduced Power Mode for DSI 4

Part270 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	20.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.35	19.45	19.31	20.6	0.0	
100	PI/2 BPSK	1	137	19.39	19.48	19.30			
100	PI/2 BPSK	1	271	19.39	19.44	19.28			
100	PI/2 BPSK	135	0	19.38	19.46	19.30			
100	PI/2 BPSK	135	69	19.35	19.47	19.30	20.6	0.0	
100	PI/2 BPSK	135	138	19.37	19.46	19.27	20.6	0.0	
100	PI/2 BPSK	270	0	19.36	19.47	19.26			
100	QPSK	1	1	19.42	19.53	19.34	20.6	0.0	
100	QPSK	1	137	19.45	19.51	19.33			
100	QPSK	1	271	19.43	19.52	19.34			
100	QPSK	135	0	19.41	19.46	19.29		0.1	
100	QPSK	135	69	19.38	19.47	19.30	20.6	0.0	
100	QPSK	135	138	19.41	19.46	19.32	20.5	0.1	
100	QPSK	270	0	19.39	19.45	19.29			
100	16QAM	1	1	19.38	19.46	19.28	20.5	0.1	
100	64QAM	1	1	18.39	18.43	18.38	19.0	1.6	
100	256QAM	1	1	16.08	16.16	16.07	17.0	3.6	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.39	19.44	19.26	20.6	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.34	19.47	19.31	20.6	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.38	19.47	19.30	20.6	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.36	19.47	19.27	20.6	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.38	19.49	19.25	20.6	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.38	19.48	19.31	20.6	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.38	19.43	19.28	20.6	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.36	19.46	19.28	20.6	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.36	19.48	19.25	20.6	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.35	19.46	19.30	20.6	0.0	

Part270 n77 PC2 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	23.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.25	22.37	22.20	23.6	0.0	
100	PI/2 BPSK	1	137	22.28	22.38	22.19			
100	PI/2 BPSK	1	271	22.26	22.32	22.21			
100	PI/2 BPSK	135	0	22.27	22.35	22.23			
100	PI/2 BPSK	135	69	22.26	22.37	22.21	23.6	0.0	
100	PI/2 BPSK	135	138	22.28	22.36	22.14	23.6	0.0	
100	PI/2 BPSK	270	0	22.27	22.36	22.16			
100	QPSK	1	1	22.29	22.44	22.33	23.6	0.0	
100	QPSK	1	137	22.32	22.42	22.21			
100	QPSK	1	271	22.30	22.40	22.25			
100	QPSK	135	0	22.31	22.34	22.16		0.1	
100	QPSK	135	69	22.27	22.36	22.17	23.6	0.0	
100	QPSK	135	138	22.32	22.35	22.20	23.5	0.1	
100	QPSK	270	0	22.29	22.34	22.18			
100	16QAM	1	1	22.32	22.36	22.21	23.5	0.1	
100	64QAM	1	1	20.72	20.77	20.73	22.0	1.6	
100	256QAM	1	1	18.57	18.66	18.58	20.0	3.6	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.29	22.38	22.18	23.6	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.30	22.38	22.19	23.6	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.33	22.37	22.18	23.6	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.31	22.35	22.18	23.6	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.29	22.38	22.18	23.6	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.30	22.36	22.20	23.6	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.30	22.36	22.17	23.6	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.30	22.37	22.16	23.6	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.29	22.34	22.16	23.6	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.33	22.36	22.19	23.6	0.0	

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	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.13		20.5	0.0	
100	PI/2 BPSK	1	137		19.16				
100	PI/2 BPSK	1	271		19.16				
100	PI/2 BPSK	135	0		19.13				
100	PI/2 BPSK	135	69		19.16		20.5	0.0	
100	PI/2 BPSK	135	138		19.16		20.5	0.0	
100	PI/2 BPSK	270	0		19.15				
100	QPSK	1	1		19.23		20.5	0.0	
100	QPSK	1	137		19.19				
100	QPSK	1	271		19.21				
100	QPSK	135	0		19.17				
100	QPSK	135	69		19.18		20.5	0.0	
100	QPSK	135	138		19.16		20.5	0.0	
100	QPSK	270	0		19.15				
100	16QAM	1	1		19.18		20.5	0.0	
100	64QAM	1	1		19.10		20.5	0.0	
100	256QAM	1	1		18.67		19.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.21	19.20	19.18	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.20	19.00	19.19	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.20	19.20	19.17	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.18	19.20	19.16	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.20	19.20	19.15	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.22	19.20	19.14	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		19.20	19.20	19.17	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.21	19.21	19.18	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.19	19.22	19.16	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.20	19.19	19.15	20.5	0.0

Part270 n78 PC2 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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.03		23.5	0.0	
100	PI/2 BPSK	1	137		22.10				
100	PI/2 BPSK	1	271		22.08				
100	PI/2 BPSK	135	0		22.04				
100	PI/2 BPSK	135	69		22.04		23.5	0.0	
100	PI/2 BPSK	135	138		22.09		23.5	0.0	
100	PI/2 BPSK	270	0		22.06				
100	QPSK	1	1		22.15		23.5	0.0	
100	QPSK	1	137		22.13				
100	QPSK	1	271		22.13				
100	QPSK	135	0		22.09				
100	QPSK	135	69		22.11		23.5	0.0	
100	QPSK	135	138		22.08		23.5	0.0	
100	QPSK	270	0		22.07				
100	16QAM	1	1		22.09		23.5	0.0	
100	64QAM	1	1		22.04		23.5	0.0	
100	256QAM	1	1		20.92		22.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.07	21.98	22.08	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.05	22.00	22.08	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.03	22.03	22.09	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.07	22.03	22.10	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.05	22.00	22.07	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.09	22.01	22.10	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.05	22.00	22.10	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.08	22.01	22.08	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.03	22.00	22.11	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.05	21.99	22.08	23.5	0.0

Part270 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	18.03	18.17	17.99	19.2	0.0
100	PI/2 BPSK	1	137	18.02	18.15	17.98		
100	PI/2 BPSK	1	271	18.02	18.13	17.98		
100	PI/2 BPSK	135	0	17.98	18.17	17.98		
100	PI/2 BPSK	135	69	17.99	18.13	17.98	19.2	0.0
100	PI/2 BPSK	135	138	18.03	18.12	17.99	19.2	0.0
100	PI/2 BPSK	270	0	17.97	18.13	17.99		
100	QPSK	1	1	18.06	18.21	18.05		
100	QPSK	1	137	18.02	18.14	18.00		
100	QPSK	1	271	17.98	18.16	17.99	19.2	0.0
100	QPSK	135	0	18.02	18.14	17.98		
100	QPSK	135	69	18.02	18.17	17.99		
100	QPSK	135	138	18.00	18.13	17.97		
100	QPSK	270	0	17.99	18.14	18.00	19.2	0.0
100	16QAM	1	1	18.00	18.16	18.00		
100	64QAM	1	1	18.00	18.17	18.01		
100	256QAM	1	1	17.14	17.10	17.05		
Channel				648668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	18.02	18.13	17.99	19.2	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	17.98	18.12	18.02	19.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	17.88	18.15	17.97	19.2	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	18.02	18.12	18.00	19.2	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	18.01	18.17	18.00	19.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.03	18.14	18.02	19.2	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	18.03	18.16	17.99	19.2	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	18.01	18.16	18.01	19.2	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	18.02	18.14	18.00	19.2	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	17.98	18.15	18.01	19.2	0.0

Part270 n77 PC2 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	20.97	21.08	20.90	22.2	0.0
100	PI/2 BPSK	1	137	20.94	21.08	20.91		
100	PI/2 BPSK	1	271	20.94	21.03	20.89		
100	PI/2 BPSK	135	0	20.88	21.10	20.90		
100	PI/2 BPSK	135	69	20.92	21.01	20.88	22.2	0.0
100	PI/2 BPSK	135	138	20.94	21.04	20.90	22.2	0.0
100	PI/2 BPSK	270	0	20.87	21.01	20.91		
100	QPSK	1	1	21.00	21.12	20.97		
100	QPSK	1	137	20.94	21.04	20.92		
100	QPSK	1	271	20.90	21.04	20.88	22.2	0.0
100	QPSK	135	0	20.90	21.06	20.87		
100	QPSK	135	69	20.91	21.09	20.88		
100	QPSK	135	138	20.94	21.04	20.88		
100	QPSK	270	0	20.92	21.07	20.90	22.2	0.0
100	16QAM	1	1	20.92	21.07	20.89	22.2	0.0
100	64QAM	1	1	20.91	21.08	20.91	22.2	0.0
100	256QAM	1	1	20.03	20.28	20.13	21.5	0.7
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.89	21.05	20.92	22.2	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.93	21.05	20.93	22.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.88	21.02	20.90	22.2	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.89	21.08	20.90	22.2	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.93	21.04	20.89	22.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.90	21.06	20.90	22.2	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.89	21.04	20.91	22.2	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.91	21.05	20.90	22.2	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.87	21.06	20.94	22.2	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.93	21.05	20.93	22.2	0.0

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	19.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.88			
100	PI/2 BPSK	1	137		18.83			
100	PI/2 BPSK	1	271		18.82			
100	PI/2 BPSK	135	0		18.88		19.8	0.0
100	PI/2 BPSK	135	69		18.81		19.8	0.0
100	PI/2 BPSK	135	138		18.80			
100	PI/2 BPSK	270	0		18.81		19.8	0.0
100	QPSK	1	1		18.93			
100	QPSK	1	137		18.85			
100	QPSK	1	271		18.89		19.8	0.0
100	QPSK	135	0		18.83		19.8	0.0
100	QPSK	135	69		18.87		19.8	0.0
100	QPSK	135	138		18.81		19.8	0.0
100	QPSK	270	0		18.86			
100	16QAM	1	1		18.87		19.8	0.0
100	64QAM	1	1		18.88		19.8	0.0
100	256QAM	1	1		18.88		19.5	0.3
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0
90	QPSK	1	1		18.30	18.44	18.33	19.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0
80	QPSK	1	1		18.35	18.44	18.32	19.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	19.0	0.0
70	QPSK	1	1		18.30	18.46	18.32	19.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	19.0	0.0
60	QPSK	1	1		18.37	18.44	18.31	19.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0
50	QPSK	1	1		18.30	18.44	18.35	19.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	19.0	0.0
40	QPSK	1	1		18.34	18.50	18.33	19.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	19.0	0.0
30	QPSK	1	1		18.30	18.46	18.35	19.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0
20	QPSK	1	1		18.33	18.45	18.32	19.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0
15	QPSK	1	1		18.34	18.46	18.31	19.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	19.0	0.0
10	QPSK	1	1		18.35	18.47	18.34	19.8

Part270 n78 PC2 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	22.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.69			
100	PI/2 BPSK	1	137		21.61			
100	PI/2 BPSK	1	271		21.62			
100	PI/2 BPSK	135	0		21.70		22.8	0.0
100	PI/2 BPSK	135	69		21.64		22.8	0.0
100	PI/2 BPSK	135	138		21.63			
100	PI/2 BPSK	270	0		21.62		22.8	0.0
100	QPSK	1	1		21.77			
100	QPSK	1	137		21.63			
100	QPSK	1	271		21.68		22.8	0.0
100	QPSK	135	0		21.63		22.8	0.0
100	QPSK	135	69		21.69		22.8	0.0
100	QPSK	135	138		21.61			
100	QPSK	270	0		21.67		22.8	0.0
100	16QAM	1	1		21.69		22.8	0.0
100	64QAM	1	1		21.70		22.8	0.0
100	256QAM	1	1		21.42		22.5	0.3
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	21.50	0.0
90	QPSK	1	1		21.54	21.60	21.50	22.8
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	21.48	0.0
80	QPSK	1	1		21.48	21.55	21.48	22.8
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	21.47	0.0
70	QPSK	1	1		21.47	21.59	21.49	22.8
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	21.42	0.0
60	QPSK	1	1		21.42	21.57	21.46	22.8
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	21.53	0.0
50	QPSK	1	1		21.53	21.55	21.41	22.8
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	21.44	0.0
40	QPSK	1	1		21.44	21.52	21.45	22.8
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	21.53	0.0
30	QPSK	1	1		21.53	21.52	21.44	22.8
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	21.44	0.0
20	QPSK	1	1		21.44	21.53	21.44	22.8
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	21.52	0.0
15	QPSK	1	1		21.52	21.55	21.43	22.8
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	21.50	0.0
10	QPSK	1	1		21.50	21.51	21.44	22.8



Ant 3-6		Full power/body-worn for Standalone				Head for Standalone		Head for Simultaneous DBS only		Head for Simultaneous WWAN-run DBS		Head for Simultaneous WWAN-DBS		Body-worn for Simultaneous DBS only		Body-worn for Simultaneous WWAN-DBS/Headset for Simultaneous WWAN-run DBS		Body-worn for Simultaneous WWAN-DBS/Headset for Simultaneous WWAN-run DBS		Body-worn for Simultaneous WWAN-run DBS		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11a-MBps	1	2412	22.24	23.50	18.15	19.50	15.16	18.85	12.14	13.50	9.07	10.50	20.77	22.00	17.25	18.50	14.26	15.50					97.94	
	6	2437	22.24	23.50	18.22	19.50	15.24	16.50	12.22	13.50	9.15	10.50	20.80	22.00	17.30	18.50	14.30	15.50						
	11	2462	22.24	23.50	18.12	19.50	15.12	16.50	12.12	13.50	9.09	10.50	20.69	22.00	17.22	18.50	14.26	15.50						
	1	2412	21.41	23.00	17.15	19.50		16.50		13.50		10.50		22.00		18.50		15.50					99.10	
	6	2437	21.45	23.00	17.71	19.50		16.50		13.50		10.50		22.00		18.50		15.50						
2-4GHz WLAN	1	2412	18.85	20.50	17.35	19.50		16.50		13.50		10.50		20.50		16.50		15.50						
	11	2462	18.85	20.50	17.35	19.50		16.50		13.50		10.50		20.50		16.50		15.50						
	1	2412	19.47	21.00	Not Required	19.50		16.50		13.50		10.50		21.00		17.00		15.50						
	6	2437	20.97	22.00		19.50		16.50		13.50		10.50		22.00		18.00		15.50						100.00
	11	2462	18.32	19.50	15.50	19.50		16.50		13.50		10.50		19.50		15.50		15.50						
802.11a-H20-MCSD	3	2422	16.01	17.00	16.01	17.00		16.50		13.50		10.50		17.00		17.00		15.50						
	6	2437	16.30	20.50	17.75	19.50	Not Required	Not Required	13.50	Not Required	Not Required	10.50	Not Required	20.00	Not Required	16.50	Not Required	15.50					100.00	
	9	2462	16.06	17.00	16.06	17.00		16.50		13.50		10.50		17.00		17.00		15.50						
	1	2412	19.56	21.00		19.50		16.50		13.50		10.50		21.00		17.00		15.50						
	6	2437	21.02	20.50		19.50		16.50		13.50		10.50		20.00		16.50		15.50						100.00
802.11a-H20-MCSD	11	2462	18.36	19.50		19.50		16.50		13.50		10.50		19.50		15.50		15.50						
	3	2422	19.69	17.50		17.50		16.50		13.50		10.50		19.50		15.50		15.50						
	6	2437	18.42	20.00		19.50		16.50		13.50		10.50		20.00		16.50		15.50						
	9	2462	16.15	17.50		17.50		16.50		13.50		10.50		17.50		17.50		15.50						99.30

Ant 4-5		Full power/body-worn for Standalone				Head for Standalone		Head for Simultaneous DBS Only		Head for Simultaneous WWAN-run DBS		Head for Simultaneous WWAN-DBS		Body-worn for Simultaneous DBS only		Body-worn for Simultaneous WWAN-run DBS		Body-worn for Simultaneous WWAN-DBS		Headset for Simultaneous WWAN-DBS		Headset for Simultaneous WWAN-DBS			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
802.11a-MBps	38	5180	19.54	21.00		17.50		15.50		12.50		9.50	18.48	20.00		17.00		14.00		18.00		15.00			99.23
	40	5200	19.66	21.00		17.50		15.50		12.50		9.50	18.62	20.00		17.00		14.00		18.00		15.00			
	44	5220	19.75	21.00		17.50		15.50		12.50		9.50	18.83	20.00		17.00		14.00		18.00		15.00			
	48	5240	19.85	21.00		17.50		15.50		12.50		9.50	19.04	20.00		17.00		14.00		18.00		15.00			
	38	5180	19.49	20.50		17.50		15.50		12.50		9.50	18.49	20.00		17.00		14.00		18.00		15.00			
802.11a-H20-MCSD	40	5200	19.52	21.00		17.50		15.50		12.50		9.50	18.50	20.00		17.00		14.00		18.00		15.00			100.00
	44	5220	19.50	21.00		17.50		15.50		12.50		9.50	18.50	20.00		17.00		14.00		18.00		15.00			
	48	5240	19.36	20.50		17.50		15.50		12.50		9.50	18.36	20.00		17.00		14.00		18.00		15.00			
	38	5180	17.79	19.00	Not Required	17.50	Not Required	15.50	Not Required	12.50	Not Required	9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required					
	40	5200	17.52	19.00		17.50		15.50		12.50		9.50	18.00		17.00		14.00		18.00		15.00				
802.11a-H40-MCSD	38	5180	19.61	21.00		17.50		15.50		12.50		9.50	18.61	20.00		17.00		14.00		18.00		15.00			100.00
	40	5200	19.58	21.00		17.50		15.50		12.50		9.50	18.58	20.00		17.00		14.00		18.00		15.00			
	44	5220	19.54	21.00		17.50		15.50		12.50		9.50	18.54	20.00		17.00		14.00		18.00		15.00			
	48	5240	19.40	20.50		17.50		15.50		12.50		9.50	18.40	20.00		17.00		14.00		18.00		15.00			
	38	5180	17.83	19.00	Not Required	17.50	Not Required	15.50	Not Required	12.50	Not Required	9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required					
802.11a-VHT20-MCSD	40	5200	19.58	21.00		17.50		15.50		12.50		9.50	18.58	20.00		17.00		14.00		18.00		15.00			100.00
	44	5220	19.54	21.00		17.50		15.50		12.50		9.50	18.54	20.00		17.00		14.00		18.00		15.00			
	48	5240	19.40	20.50		17.50		15.50		12.50		9.50	18.40	20.00		17.00		14.00		18.00		15.00			
	38	5180	17.73	19.00	Not Required	17.50	Not Required	15.50	Not Required	12.50	Not Required	9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required					
	40	5200	17.58	19.00		17.50		15.50		12.50		9.50	18.00		17.00		14.00		18.00		15.00				
802.11a-VHT40-MCSD	42	5210	17.47	19.00	15.89	17.50	13.84	15.50	10.79	12.50	7.77	9.50	18.00	15.75	17.00	12.88	14.00	16.41	16.00	13.42	15.00			99.30	
	38	5180	19.53	21.00		17.50		15.50		12.50		9.50	18.53	20.00		17.00		14.00		18.00		15.00			
	40	5200	19.61	21.00		17.50		15.50		12.50		9.50	18.60	20.00		17.00		14.00		18.00		15.00			
	38	5180	19.61	21.00		17.50		15.50		12.50		9.50	18.61	20.00		17.00		14.00		18.00		15.00			
	48	5240	19.50	21.00	Not Required	17.50	Not Required	15.50	Not Required	12.50	Not Required	9.50	18.50	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required					
802.11a-H40-MCSD	38	5180	17.63	19.00		17.50		15.50		12.50		9.50	18.00		17.00		14.00		18.00		15.00			99.38	
	40	5200	17.67	19.00		17.50		15.50		12.50		9.50	18.00		17.00		14.00		18.00		15.00				
	42	5210	17.51	19.00		17.50		15.50		12.50		9.50	18.00		17.00		14.00		18.00		15.00				

Ant 4-5	Full power/Body-worn for Standalone/Extremity for Standalone				Head for Standalone		Head for Simultaneous DBS Only		Head for Simultaneous WWAN-run DBS		Head for Simultaneous WWAN-DBS		Body-worn for Simultaneous DBS only		Extremity for Simultaneous DBS only		Extremity for Standalone/WWAN-DBS/Body-worn for Standalone		Extremity for Standalone/WWAN-DBS/Body-worn for Standalone		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		
802.11a-MBps	52	5260	19.79	21.00		17.50		15.50		12.50		9.50	19.71	20.00	19.24	20.50		17.00		14.00	99.23
	56	5280	19.89	21.00		17.50		15.50		12.50		9.50	19.84	20.00	19.35	20.50		17.00		14.00	
	60	5300	19.92	21.00		17.50		15.50		12.50		9.50	19.91	20.00	19.38	20.50		17.00		14.00	
	64	5320	19.95	21.00		17.50		15.50		12.50		9.50	19.97	20.00	19.37	20.50		17.00		14.00	
	52	5260	19.50	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	56	5280	19.69	21.00		17.50		15.50		12.50		9.50	19.60	20.00	19.00	20.50		17.00		14.00	
	60	5300	19.61	21.00		17.50		15.50		12.50		9.50	19.67	20.00	19.00	20.50		17.00		14.00	
	64	5320	19.62	21.00		17.50		15.50		12.50		9.50	19.60	20.00	19.00	20.50		17.00		14.00	
	54	5270	17.73	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	62	5310	17.69	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
802.11a-H20-MCSD	52	5260	19.54	21.00		17.50		15.50		12.50		9.50	18.50	20.00	19.00	20.50		17.00		14.00	100.00
	56	5280	19.79	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	60	5300	19.85	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	64	5320	19.88	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	54	5270	17.73	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	62	5310	17.64	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	52	5260	17.82	19.00	16.23	17.50	14.15	15.00	11.13	12.50	8.11	9.50	18.00	Not Required	17.00	15.88	17.00	12.77	14.00	99.30	
	56	5280	18.00	17.00		17.50		15.50		12.50		9.50	17.00	17.00	17.00	17.00	14.00	20.00	14.00	99.30	
	60	5300	18.01	21.00		17.50		15.50		12.50		9.50	18.00	20.00	19.00	20.50		17.00		14.00	
	64	5320	18.01	21.00		17.50		15.50		12.50		9.50	18.00	20.00	19.00	20.50		17.00		14.00	
802.11a-MBps	56	5280	19.79	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	100.00
	60	5300	19.74	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	64	5320	19.84	21.00		17.50		15.50		12.50		9.50	19.50	20.00	19.00	20.50		17.00		14.00	
	54	5270	17.69	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	62	5310	17.62	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	52	5260	17.80	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	56	5280	17.86	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	60	5300	17.88	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	64	5320	17.88	19.00		17.50		15.50		12.50		9.50	18.00	Not Required	17.00	Not Required	14.00	Not Required	15.00	Not Required	
	54	5270	16.67	17.00		17.50		15.50		12.50		9.50	17.00	17.00	17.00	17.00	14.00	20.00	14.00	99.31	

BT BR/EDR		Ant 6				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	11.33	10.19	10.24	12.00
	CH 39	2441	10.95	10.13	10.18	12.00
	CH 78	2480	10.44	7.39	7.40	11.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.03
	CH 19	2440	10.48
	CH 39	2480	7.54
Tune-up Limit			11.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.15
	CH 19	2440	10.34
	CH 39	2480	7.71
Tune-up Limit			11.00

BT BR/EDR

		Ant 3				
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	8.66	5.76	5.79	
	CH 39	2441	8.86	6.20	6.21	
	CH 78	2480	9.21	6.67	6.69	
Tune-up Limit			10.50	7.50	7.50	

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.63
	CH 19	2440	8.86
	CH 39	2480	9.25
Tune-up Limit			10.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.70
	CH 19	2440	9.00
	CH 39	2480	9.38
Tune-up Limit			10.00