

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7592

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.25	10.25	10.25	0.38	1.01	± 12.0 %
835	41.5	0.90	9.98	9.98	9.98	0.46	0.86	± 12.0 %
1450	40.5	1.20	8.76	8.76	8.76	0.35	0.80	± 12.0 %
1750	40.1	1.37	8.45	8.45	8.45	0.35	0.86	± 12.0 %
1900	40.0	1.40	8.13	8.13	8.13	0.29	0.86	± 12.0 %
2000	40.0	1.40	7.93	7.93	7.93	0.30	0.98	± 12.0 %
2300	39.5	1.67	7.74	7.74	7.74	0.36	0.90	± 12.0 %
2450	39.2	1.80	7.53	7.53	7.53	0.35	0.90	± 12.0 %
2600	39.0	1.96	7.26	7.26	7.26	0.52	0.90	± 12.0 %
3300	38.2	2.71	7.07	7.07	7.07	0.40	1.35	± 14.0 %
3500	37.9	2.91	6.69	6.69	6.69	0.40	1.35	± 14.0 %
3700	37.7	3.12	6.64	6.64	6.64	0.40	1.35	± 14.0 %
3900	37.5	3.32	6.50	6.50	6.50	0.40	1.60	± 14.0 %
4100	37.2	3.53	6.27	6.27	6.27	0.40	1.60	± 14.0 %
4200	37.1	3.63	6.16	6.16	6.16	0.40	1.60	± 14.0 %
4400	36.9	3.84	6.10	6.10	6.10	0.40	1.80	± 14.0 %
4600	36.7	4.04	5.81	5.81	5.81	0.40	1.80	± 14.0 %
4800	36.4	4.25	5.76	5.76	5.76	0.40	1.80	± 14.0 %
4950	36.3	4.40	5.53	5.53	5.53	0.40	1.80	± 14.0 %
5250	35.9	4.71	5.38	5.38	5.38	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.68	4.68	4.68	0.40	1.80	± 14.0 %
5750	35.4	5.22	4.82	4.82	4.82	0.40	1.80	± 14.0 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies up to 6 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

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Calibration Parameter Determined in Head Tissue Simulating Media

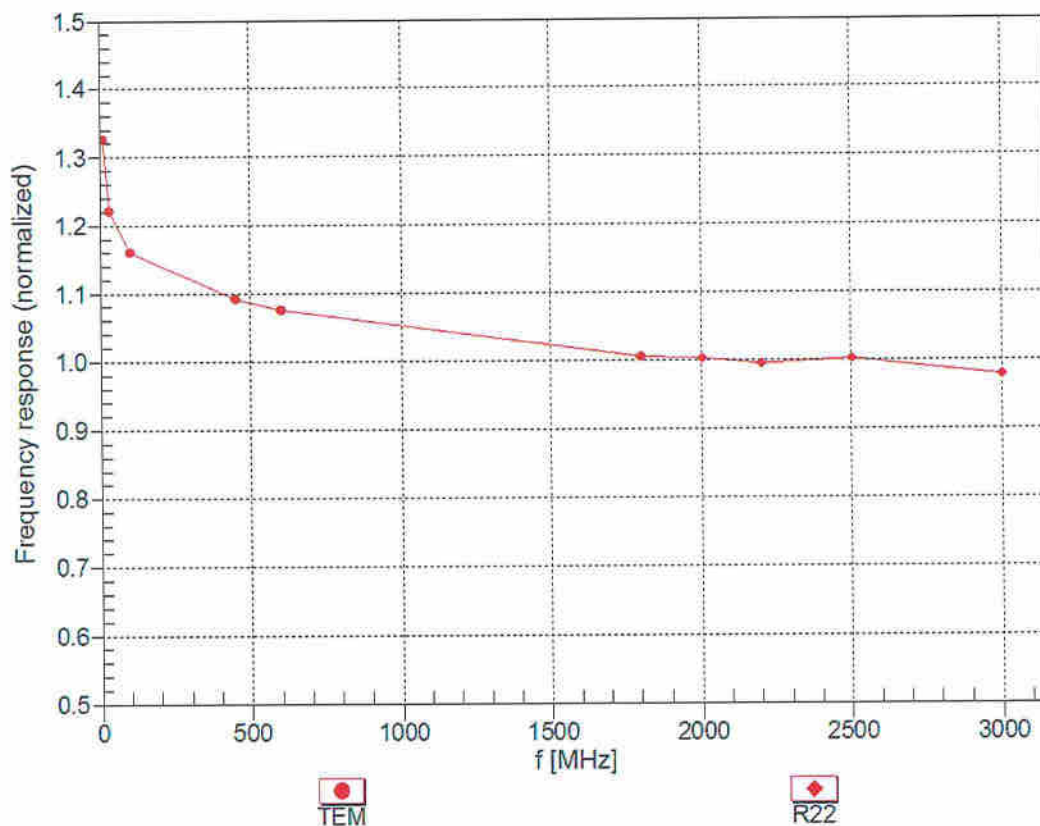
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6500	34.5	6.07	5.35	5.35	5.35	0.25	2.50	± 18.6 %

^C Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F At frequencies 6-10 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

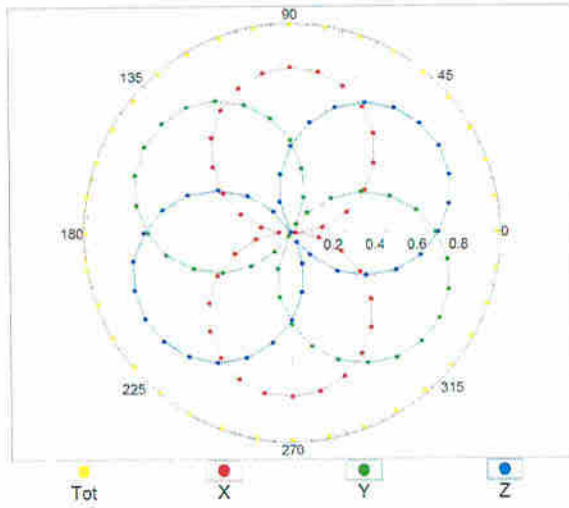
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



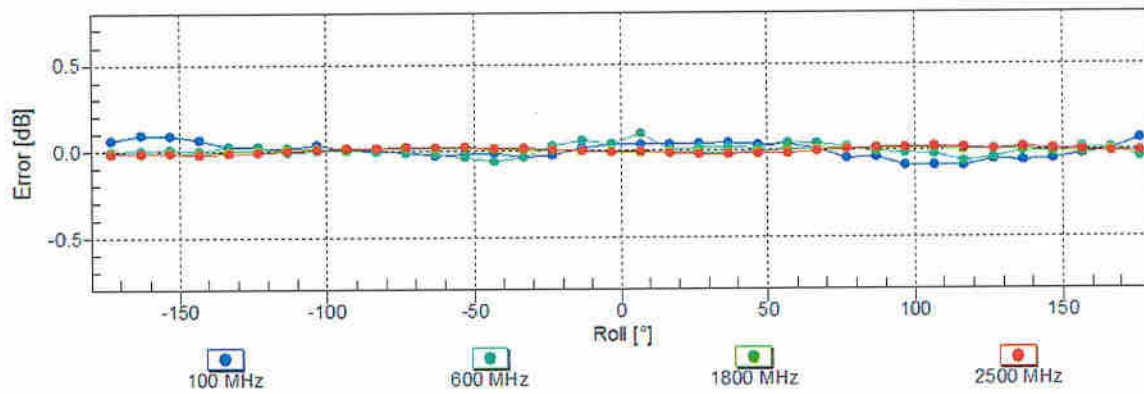
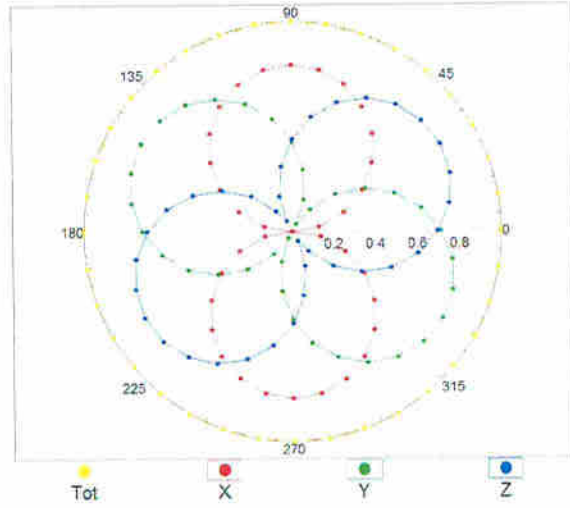
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

Receiving Pattern (ϕ), $\vartheta = 0^\circ$

f=600 MHz,TEM

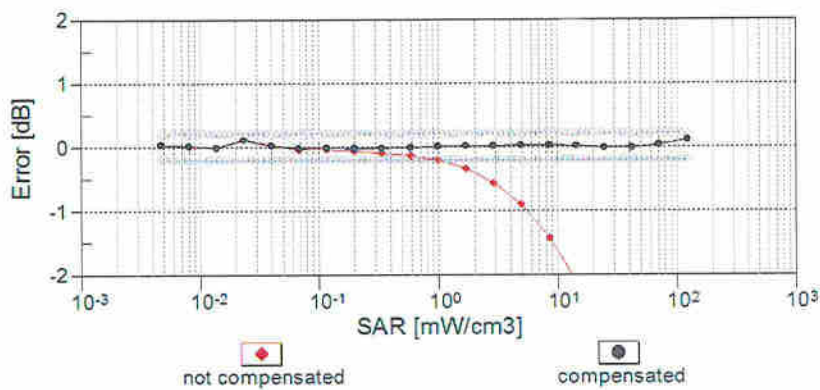
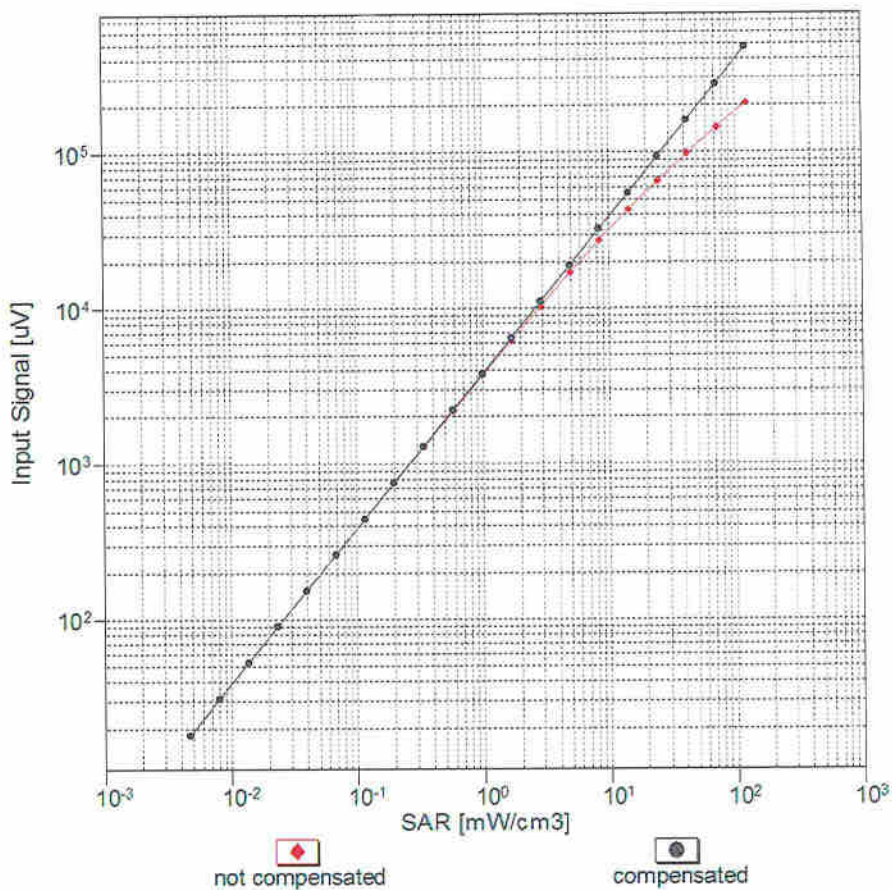


f=1800 MHz,R22



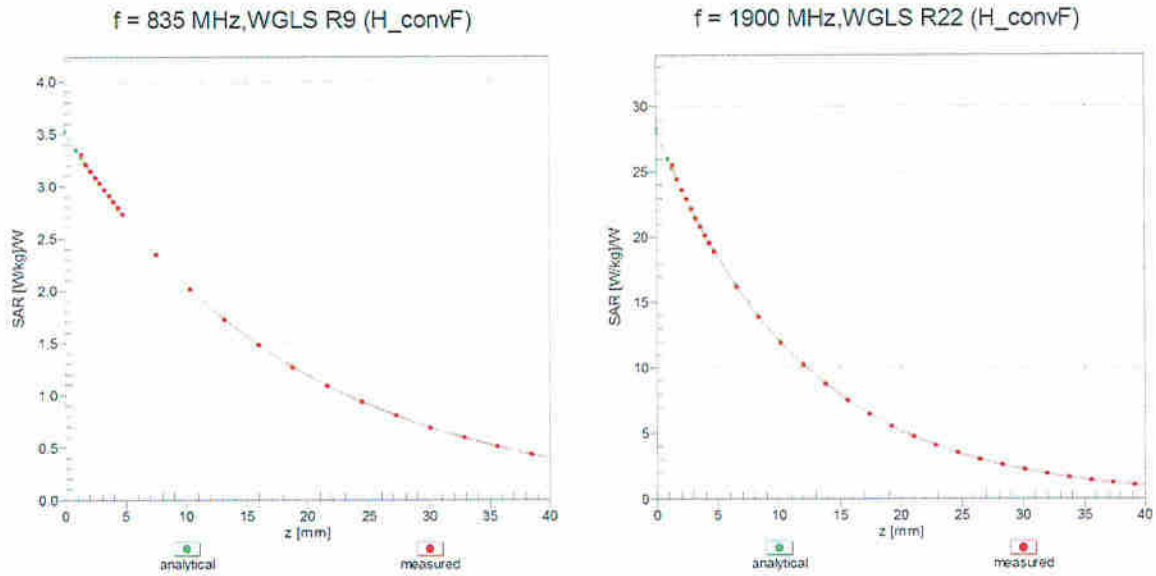
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (k=2)

Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}}= 1900 \text{ MHz}$)

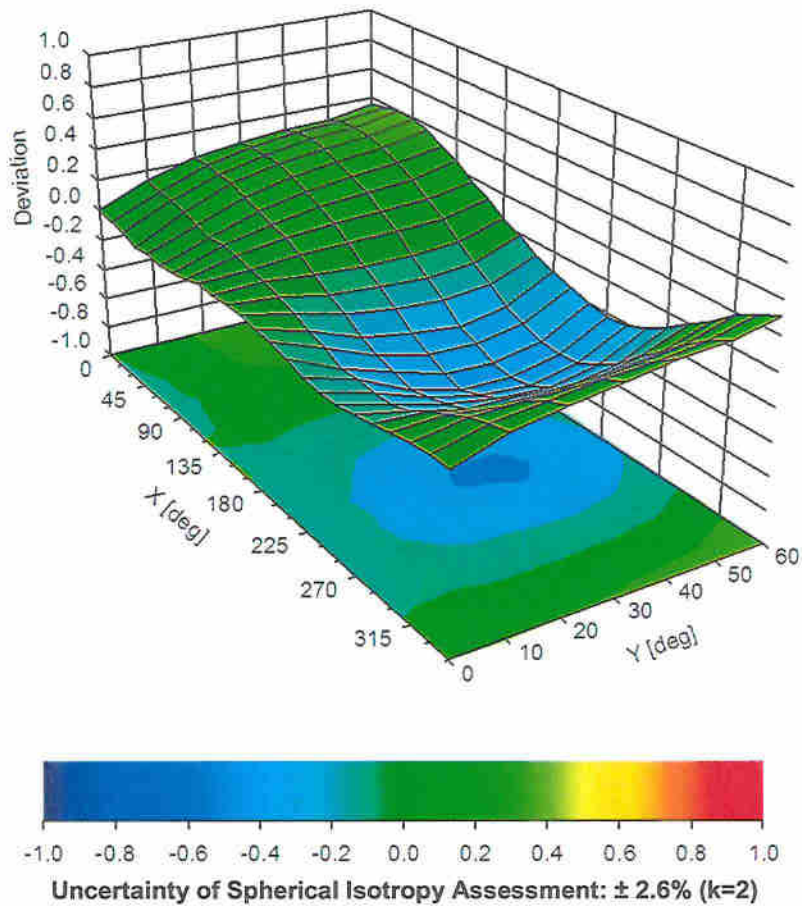


Uncertainty of Linearity Assessment: $\pm 0.6\%$ (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (ϕ, θ), f = 900 MHz



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %

10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %

10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %

10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAD	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %

10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %

10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %

10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %

10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %

10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.



Full Power Mode

Band 7 Ant0									
Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.02	23.15	23.07	24	0	
20	QPSK	1	49	23.06	22.97	23.10			
20	QPSK	1	99	23.04	23.06	22.95			
20	QPSK	50	0	22.01	22.24	22.15	23	1	
20	QPSK	50	24	22.02	22.13	22.14			
20	QPSK	50	50	22.07	22.15	22.10			
20	QPSK	100	0	22.16	22.21	22.05	23	1	
20	16QAM	1	0	22.03	22.08	22.01			
20	16QAM	1	49	22.04	22.18	22.09			
20	16QAM	1	99	22.10	22.16	22.00	22	2	
20	16QAM	50	0	21.00	21.11	21.09			
20	16QAM	50	24	21.05	21.01	21.02			
20	16QAM	50	50	20.98	21.09	21.07	22	2	
20	16QAM	100	0	20.91	20.96	20.92			
20	64QAM	1	0	21.24	21.23	21.09			
20	64QAM	1	49	21.05	21.17	21.00	22	2	
20	64QAM	1	99	21.06	21.10	21.07			
20	64QAM	50	0	20.05	20.13	20.03			
20	64QAM	50	24	19.93	20.08	19.88	21	3	
20	64QAM	50	50	20.06	20.06	20.04			
20	64QAM	100	0	20.03	20.20	20.13			
20	256QAM	1	0	18.39	18.50	18.39	19	5	
20	256QAM	1	49	18.40	18.34	18.43			
20	256QAM	1	99	18.35	18.41	18.26			
20	256QAM	50	0	18.31	18.51	18.44	19	5	
20	256QAM	50	24	18.28	18.39	18.47			
20	256QAM	50	50	18.42	18.48	18.44			
20	256QAM	100	0	18.46	18.47	18.40			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.88	23.10	23.03	24	0	
15	QPSK	1	37	23.03	22.92	22.99			
15	QPSK	1	74	22.89	23.00	22.89			
15	QPSK	36	0	21.87	22.20	22.01	23	1	
15	QPSK	36	20	21.92	21.98	22.04			
15	QPSK	36	39	21.95	22.03	22.00			
15	QPSK	75	0	22.08	22.10	21.90	23	1	
15	16QAM	1	0	21.92	21.99	21.88			
15	16QAM	1	37	21.99	22.13	21.99			
15	16QAM	1	74	21.97	22.03	21.88	22	2	
15	16QAM	36	0	20.88	20.99	21.01			
15	16QAM	36	20	20.92	20.88	20.92			
15	16QAM	36	39	20.87	21.00	21.01	22	2	
15	16QAM	75	0	20.80	20.89	20.79			
15	64QAM	1	0	21.16	21.17	20.98			
15	64QAM	1	37	20.97	21.02	20.86	22	2	
15	64QAM	1	74	20.94	21.04	20.97			
15	64QAM	36	0	19.98	20.01	19.93			
15	64QAM	36	20	19.87	19.94	19.74	21	3	
15	64QAM	36	39	19.92	19.96	19.93			
15	64QAM	75	0	19.93	20.06	20.05			
15	256QAM	1	0	18.38	18.48	18.36	19	5	
15	256QAM	1	37	18.38	18.27	18.42			
15	256QAM	1	74	18.36	18.37	18.24			
15	256QAM	36	0	18.28	18.49	18.48	19	5	
15	256QAM	36	20	18.32	18.40	18.49			
15	256QAM	36	39	18.44	18.48	18.36			
15	256QAM	75	0	18.42	18.48	18.37			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.89	23.06	22.94	24	0	
10	QPSK	1	25	22.97	22.82	22.97			
10	QPSK	1	49	22.93	22.92	22.79			
10	QPSK	25	0	21.91	22.14	22.04	23	1	
10	QPSK	25	12	21.90	22.08	22.05			
10	QPSK	25	25	22.02	22.00	21.94			
10	QPSK	50	0	22.02	22.13	21.98	23	1	
10	16QAM	1	0	21.91	22.03	21.96			
10	16QAM	1	25	21.95	22.13	22.02			
10	16QAM	1	49	22.02	22.12	21.93	22	2	
10	16QAM	25	0	20.92	21.06	20.94			
10	16QAM	25	12	21.00	20.89	20.88			
10	16QAM	25	25	20.91	21.00	20.98	22	2	
10	16QAM	50	0	20.77	20.84	20.81			
10	64QAM	1	0	21.18	21.10	21.05			
10	64QAM	1	25	20.99	21.05	20.89	22	2	
10	64QAM	1	49	20.96	21.00	20.93			
10	64QAM	25	0	19.96	20.05	19.91			
10	64QAM	25	12	19.88	19.98	19.82	21	3	
10	64QAM	25	25	19.92	20.01	19.96			
10	64QAM	50	0	19.87	20.05	20.08			
10	256QAM	1	0	18.33	18.43	18.38	19	5	
10	256QAM	1	25	18.34	18.28	18.37			
10	256QAM	1	49	18.37	18.36	18.21			
10	256QAM	25	0	18.29	18.56	18.49	19	5	
10	256QAM	25	12	18.33	18.41	18.41			
10	256QAM	25	25	18.39	18.45	18.47			
10	256QAM	50	0	18.52	18.55	18.31			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.88	23.04	23.01	24	0	
5	QPSK	1	12	22.99	22.86	23.04			
5	QPSK	1	24	22.95	23.00	22.88			
5	QPSK	12	0	21.95	22.18	21.99	23	1	
5	QPSK	12	7	21.89	22.03	22.06			
5	QPSK	12	13	21.98	22.03	21.99			
5	QPSK	25	0	22.06	22.10	21.99	23	1	
5	16QAM	1	0	21.94	21.94	21.87			
5	16QAM	1	12	21.89	22.11	21.95			
5	16QAM	1	24	22.05	22.03	21.87	22	2	
5	16QAM	12	0	20.90	21.05	21.03			
5	16QAM	12	7	20.95	20.94	20.90			
5	16QAM	12	13	20.92	21.04	20.94	22	2	
5	16QAM	25	0	20.81	20.87	20.77			
5	64QAM	1	0	21.16	21.12	20.98			
5	64QAM	1	12	21.00	21.05	20.93	22	2	
5	64QAM	1	24	20.96	20.96	21.02			
5	64QAM	12	0	20.00	20.06	19.96			
5	64QAM	12	7	19.80	19.96	19.75	21	3	
5	64QAM	12	13	20.01	19.96	19.93			
5	64QAM	25	0	19.88	20.12	20.04			
5	256QAM	1	0	18.37	18.44	18.38	19	5	
5	256QAM	1	12	18.38	18.25	18.40			
5	256QAM	1	24	18.38	18.40	18.25			
5	256QAM	12	0	18.28	18.61	18.51	19	5	
5	256QAM	12	7	18.34	18.45	18.44			
5	256QAM	12	13	18.35	18.46	18.45			
5	256QAM	25	0	18.48	18.53	18.38			



Band 38 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.12	23.24	23.17	24	0				
20	QPSK	1	49	23.22	23.01	23.16						
20	QPSK	1	99	23.15	23.14	23.09						
20	QPSK	50	0	22.10	22.31	22.29	23	1				
20	QPSK	50	24	22.12	22.22	22.28						
20	QPSK	50	50	22.14	22.25	22.16						
20	QPSK	100	0	22.21	22.26	22.17	23	1				
20	16QAM	1	0	22.13	22.13	22.15						
20	16QAM	1	49	22.15	22.20	22.16						
20	16QAM	1	99	22.21	22.25	22.13	22	2				
20	16QAM	50	0	21.11	21.23	21.20						
20	16QAM	50	24	21.15	21.07	21.15						
20	16QAM	50	50	21.06	21.18	21.21	22	2				
20	16QAM	100	0	20.99	21.11	21.00						
20	64QAM	1	0	21.39	21.34	21.19						
20	64QAM	1	49	21.12	21.24	21.11	22	2				
20	64QAM	1	99	21.17	21.23	21.20						
20	64QAM	50	0	20.11	20.18	20.08						
20	64QAM	50	24	20.00	20.23	20.00	21	3				
20	64QAM	50	50	20.22	20.17	20.12						
20	64QAM	100	0	20.09	20.34	20.28						
20	256QAM	1	0	18.42	18.51	18.44	19	5				
20	256QAM	1	49	18.57	18.26	18.52						
20	256QAM	1	99	18.42	18.40	18.40						
20	256QAM	50	0	18.43	18.85	18.65	19	5				
20	256QAM	50	24	18.40	18.51	18.57						
20	256QAM	50	50	18.48	18.80	18.44						
20	256QAM	100	0	18.54	18.57	18.47	19	5				
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.03	23.15	23.10	24	0				
15	QPSK	1	37	23.17	22.89	23.02						
15	QPSK	1	74	23.05	23.08	22.95						
15	QPSK	36	0	22.00	22.17	22.24	23	1				
15	QPSK	36	20	21.96	22.14	22.22						
15	QPSK	36	39	22.04	22.18	22.04						
15	QPSK	75	0	22.08	22.14	22.08	23	1				
15	16QAM	1	0	21.97	22.08	22.04						
15	16QAM	1	37	22.01	22.11	22.07						
15	16QAM	1	74	22.11	22.15	22.09	22	2				
15	16QAM	36	0	21.05	21.09	21.08						
15	16QAM	36	20	21.09	21.03	21.06						
15	16QAM	36	39	20.95	21.03	21.08	21	3				
15	16QAM	75	0	20.88	21.06	20.93						
15	64QAM	1	0	21.25	21.23	21.14						
15	64QAM	1	37	21.02	21.12	21.06	22	2				
15	64QAM	1	74	21.09	21.12	21.11						
15	64QAM	36	0	20.03	20.10	20.02						
15	64QAM	36	20	19.93	20.08	19.93	21	3				
15	64QAM	36	39	20.10	20.09	20.08						
15	64QAM	75	0	20.00	20.20	20.12						
15	256QAM	1	0	18.46	18.60	18.49	19	5				
15	256QAM	1	37	18.53	18.38	18.52						
15	256QAM	1	74	18.43	18.42	18.35						
15	256QAM	36	0	18.42	18.61	18.65	19	5				
15	256QAM	36	20	18.49	18.52	18.54						
15	256QAM	36	39	18.47	18.51	18.49						
15	256QAM	75	0	18.50	18.61	18.46	19	5				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.05	23.10	23.11	24	0				
10	QPSK	1	25	23.15	22.96	23.09						
10	QPSK	1	49	23.09	23.07	22.94						
10	QPSK	25	0	21.98	22.21	22.15	23	1				
10	QPSK	25	12	22.00	22.13	22.12						
10	QPSK	25	25	22.08	22.15	22.03						
10	QPSK	50	0	22.10	22.12	22.10	23	1				
10	16QAM	1	0	22.03	21.98	22.09						
10	16QAM	1	25	22.03	22.05	22.03						
10	16QAM	1	49	22.14	22.09	21.99	22	2				
10	16QAM	25	0	21.01	21.14	21.09						
10	16QAM	25	12	21.05	20.96	21.09						
10	16QAM	25	25	20.94	21.14	21.06	22	2				
10	16QAM	50	0	20.87	21.06	20.96						
10	64QAM	1	0	21.30	21.20	21.03						
10	64QAM	1	25	21.07	21.11	21.03	22	2				
10	64QAM	1	49	21.04	21.12	21.15						
10	64QAM	25	0	19.98	20.13	19.94						
10	64QAM	25	12	19.94	20.17	19.90	21	3				
10	64QAM	25	25	20.07	20.11	20.07						
10	64QAM	50	0	20.03	20.27	20.21						
10	256QAM	1	0	18.40	18.54	18.44	19	5				
10	256QAM	1	25	18.58	18.35	18.49						
10	256QAM	1	49	18.41	18.47	18.37						
10	256QAM	25	0	18.42	18.64	18.54	19	5				
10	256QAM	25	12	18.45	18.57	18.62						
10	256QAM	25	25	18.42	18.54	18.49						
10	256QAM	50	0	18.52	18.62	18.54	19	5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.00	23.19	23.08	24	0				
5	QPSK	1	12	23.08	22.94	23.06						
5	QPSK	1	24	23.03	23.06	23.01						
5	QPSK	12	0	22.01	22.16	22.21	23	1				
5	QPSK	12	7	22.08	22.08	22.20						
5	QPSK	12	13	22.03	22.13	22.07						
5	QPSK	25	0	22.14	22.21	22.08	23	1				
5	16QAM	1	0	22.08	22.05	22.07						
5	16QAM	1	12	22.06	22.12	22.12						
5	16QAM	1	24	22.13	22.13	22.04	22	2				
5	16QAM	12	0	21.05	21.07	21.11						
5	16QAM	12	7	21.10	20.94	21.04						
5	16QAM	12	13	20.91	21.07	21.08	22	2				
5	16QAM	25	0	20.89	21.06	20.90						
5	64QAM	1	0	21.31	21.23	21.11						
5	64QAM	1	12	21.05	21.18	21.03	22	2				
5	64QAM	1	24	21.08	21.13	21.14						
5	64QAM	12	0	19.98	20.08	20.03						
5	64QAM	12	7	19.96	20.10	19.90	21	3				
5	64QAM	12	13	20.06	20.12	20.07						
5	64QAM	25	0	20.01	20.19	20.16						
5	256QAM	1	0	18.42	18.60	18.48	19	5				
5	256QAM	1	12	18.47	18.29	18.53						
5	256QAM	1	24	18.40	18.45	18.45						
5	256QAM	12	0	18.39	18.66	18.58	19	5				
5	256QAM	12	7	18.40	18.47	18.65						
5	256QAM	12	13	18.41	18.57	18.48						
5	256QAM	25	0	18.51	18.58	18.47	19	5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.22	23.20	23.23	24	0				
5	QPSK	1	12	23.01	23.34	23.20						
5	QPSK	1	24	23.05	23.34	23.23						
5	QPSK	12	0	22.22	22.19	22.43	23	1				
5	QPSK	12	7	22.30	22.28	22.40						
5	QPSK	12	13	22.28	22.33	22.41						
5	QPSK	25	0	22.23	22.45	22.36	23	1				
5	16QAM	1	0	22.03	22.21	22.33						
5	16QAM	1	12	22.10	22.28	22.31						
5	16QAM	1	24	22.12	22.31	22.32	22	2				
5	16QAM	12	0	21.14	21.27	21.39						
5	16QAM	12	7	20.98	21.31	21.25						
5	16QAM	12	13	21.22	21.25	21.36	22	2				
5	16QAM	25	0	21.01	21.11	21.21						
5	64QAM	1	0	21.16	21.36	21.42						
5	64QAM	1	12	21.28	21.34	21.42	22	2				
5	64QAM	1	24	21.29	21.23	21.40						
5	64QAM	12	0	20.23	20.21	20.40						
5	64QAM	12	7	20.10	20.04	20.29	21	3				
5	64QAM	12	13	20.06	20.43	20.34						
5	64QAM	25	0	20.37	20.19	20.56						
5	256QAM	1	0	18.57	18.57	18.85	19	5				
5	256QAM	1	12	18.51	18.83	18.57						
5	256QAM	1	24	18.53	18.74	18.65						
5	256QAM	12	0	18.70	18.58	18.77	19	5				
5	256QAM	12	7	18.63	18.61	18.85						
5	256QAM	12	13	18.67	18.68	18.77						
5	256QAM	25	0	18.65	18.84	18.82	19	5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.22	23.20	23.23	24	0				
5	QPSK	1	12	23.01	23.34	23.20						
5	QPSK	1	24	23.05	23.34	23.23						
5	QPSK	12	0	22.22	22.19	22.43	23					



Band 41 PC2 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.91	25.86	25.95	25.88	25.94		
20	QPSK	1	49	25.48	25.50	25.59	25.53	25.51	27	0
20	QPSK	1	99	25.51	25.56	25.64	25.58	25.57		
20	QPSK	50	0	25.00	25.04	25.12	25.07	25.03		
20	QPSK	50	24	24.96	25.02	25.09	25.08	24.99	26	1
20	QPSK	50	50	24.93	24.95	25.03	24.94	24.96		
20	QPSK	100	0	24.96	25.00	25.09	25.04	25.02		
20	16QAM	1	0	25.38	25.43	25.51	25.49	25.43		
20	16QAM	1	49	25.11	25.13	25.23	25.15	25.13	26	1
20	16QAM	1	99	25.25	25.28	25.36	25.30	25.29		
20	16QAM	50	0	24.09	24.13	24.21	24.20	24.14		
20	16QAM	50	24	24.04	24.06	24.15	24.10	24.07		
20	16QAM	50	50	23.97	23.98	24.07	24.02	23.99	25	2
20	16QAM	100	0	23.99	24.07	24.15	24.10	24.08		
20	64QAM	1	0	24.21	24.28	24.36	24.31	24.28		
20	64QAM	1	49	23.97	23.99	24.08	24.00	24.00	25	2
20	64QAM	1	99	24.03	24.11	24.18	24.12	24.11		
20	64QAM	50	0	23.09	23.13	23.21	23.17	23.16		
20	64QAM	50	24	23.03	23.06	23.14	23.08	23.06	24	3
20	64QAM	50	50	22.99	23.01	23.10	23.06	23.00		
20	64QAM	100	0	22.99	23.01	23.09	23.07	23.02		
20	256QAM	1	0	21.25	21.23	21.28	21.15	21.20		
20	256QAM	1	49	20.77	20.81	20.86	20.85	20.88	22	5
20	256QAM	1	99	20.80	20.89	20.90	20.91	20.83		
20	256QAM	50	0	21.26	21.38	21.40	21.39	21.34		
20	256QAM	50	24	21.33	21.30	21.37	21.35	21.25		
20	256QAM	50	50	21.29	21.25	21.32	21.20	21.22	22	5
20	256QAM	100	0	21.21	21.35	21.35	21.29	21.36		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.85	25.79	25.88	25.83	25.87		
15	QPSK	1	37	25.40	25.42	25.50	25.46	25.41	27	0
15	QPSK	1	74	25.42	25.48	25.56	25.50	25.52		
15	QPSK	36	0	24.90	24.95	25.04	24.98	24.95		
15	QPSK	36	20	24.87	24.95	25.02	24.99	24.93	26	1
15	QPSK	36	39	24.85	24.85	24.98	24.86	24.90		
15	QPSK	75	0	24.89	24.93	25.00	24.95	24.93		
15	16QAM	1	0	25.29	25.35	25.45	25.42	25.38		
15	16QAM	1	37	25.05	25.05	25.18	25.06	25.07	26	1
15	16QAM	1	74	25.17	25.19	25.30	25.22	25.20		
15	16QAM	36	0	24.02	24.06	24.13	24.11	24.05		
15	16QAM	36	20	23.98	23.98	24.06	24.02	23.99	25	2
15	16QAM	36	39	23.90	23.91	24.02	23.97	23.91		
15	16QAM	75	0	23.91	23.99	24.08	24.01	23.99		
15	64QAM	1	0	24.12	24.22	24.27	24.25	24.19		
15	64QAM	1	37	23.92	23.91	24.02	23.91	23.92	25	2
15	64QAM	1	74	23.94	24.05	24.09	24.02	24.04		
15	64QAM	36	0	23.02	23.05	23.13	23.11	23.11		
15	64QAM	36	20	22.97	23.00	23.05	23.01	22.99	24	3
15	64QAM	36	39	22.89	22.91	23.04	22.97	22.92		
15	64QAM	75	0	22.92	22.91	23.00	22.99	22.96		
15	256QAM	1	0	21.28	21.15	21.23	21.15	21.28		
15	256QAM	1	37	20.80	20.85	20.91	20.82	20.82	22	5
15	256QAM	1	74	20.88	20.87	21.01	20.84	20.87		
15	256QAM	36	0	21.26	21.40	21.45	21.37	21.39		
15	256QAM	36	20	21.21	21.28	21.35	21.35	21.27	22	5
15	256QAM	36	39	21.27	21.24	21.35	21.31	21.25		
15	256QAM	75	0	21.25	21.36	21.38	21.41	21.28		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.83	25.81	25.90	25.81	25.84		
10	QPSK	1	25	25.43	25.41	25.52	25.44	25.41	27	0
10	QPSK	1	49	25.46	25.51	25.58	25.50	25.50		
10	QPSK	25	0	24.94	24.98	25.04	25.01	24.95		
10	QPSK	25	12	24.89	24.97	25.04	25.02	24.90	26	1
10	QPSK	25	25	24.85	24.89	24.94	24.88	24.90		
10	QPSK	50	0	24.92	24.94	25.03	24.96	24.98		
10	16QAM	1	0	25.32	25.36	25.45	25.44	25.39		
10	16QAM	1	25	25.02	25.07	25.19	25.11	25.07	26	1
10	16QAM	1	49	25.15	25.20	25.30	25.24	25.24		
10	16QAM	25	0	24.04	24.03	24.16	24.11	24.09		
10	16QAM	25	12	23.99	23.99	24.10	24.02	23.99	25	2
10	16QAM	25	25	23.92	23.89	24.02	23.97	23.90		
10	16QAM	50	0	23.94	24.02	24.05	24.04	24.01		
10	64QAM	1	0	24.17	24.22	24.31	24.26	24.20		
10	64QAM	1	25	23.90	23.90	24.04	23.96	23.91	25	2
10	64QAM	1	49	23.98	24.04	24.10	24.05	24.02		
10	64QAM	25	0	23.05	23.09	23.12	23.10	23.09		
10	64QAM	25	12	22.97	22.99	23.08	22.99	23.02	24	3
10	64QAM	25	25	22.95	22.93	23.05	23.01	22.90		
10	64QAM	50	0	22.94	22.95	23.03	23.01	22.93		
10	256QAM	1	0	21.24	21.22	21.26	21.18	21.28		
10	256QAM	1	25	20.74	20.81	20.91	20.86	20.81	22	5
10	256QAM	1	49	20.86	20.86	20.96	20.92	20.88		
10	256QAM	25	0	21.28	21.37	21.45	21.35	21.29		
10	256QAM	25	12	21.23	21.32	21.40	21.33	21.33	22	5
10	256QAM	25	25	21.29	21.31	21.33	21.21	21.31		
10	256QAM	50	0	21.23	21.34	21.42	21.38	21.27		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.87	25.81	25.87	25.85	25.89		
5	QPSK	1	12	25.45	25.41	25.56	25.49	25.49	27	0
5	QPSK	1	24	25.44	25.50	25.59	25.51	25.48		
5	QPSK	12	0	24.95	24.94	25.05	25.04	25.01		
5	QPSK	12	7	24.88	24.94	25.07	25.01	24.92	26	1
5	QPSK	12	13	24.87	24.88	24.96	24.90	24.94		
5	QPSK	25	0	24.93	24.97	25.02	24.97	25.00		
5	16QAM	1	0	25.35	25.38	25.47	25.41	25.34		
5	16QAM	1	12	25.01	25.07	25.14	25.10	25.08	26	1
5	16QAM	1	24	25.19	25.22	25.34	25.26	25.26		
5	16QAM	12	0	24.07	24.05	24.18	24.18	24.09		
5	16QAM	12	7	23.99	24.00	24.05	24.06	24.00	25	2
5	16QAM	12	13	23.89	23.95	24.04	23.94	23.90		
5	16QAM	25	0	23.91	23.99	24.12	24.01	24.03		
5	64QAM	1	0	24.19	24.21	24.33	24.27	24.21		
5	64QAM	1	12	23.95	23.91	24.00	23.96	23.96	25	2
5	64QAM	1	24	23.94	24.03	24.08	24.04	24.04		
5	64QAM	12	0	23.07	23.10	23.18	23.11	23.11		
5	64QAM	12	7	22.95	22.97	23.06	23.00	22.96	24	3
5	64QAM	12	13	22.91	22.94	23.07	22.97	22.92		
5	64QAM	25	0	22.93	22.94	23.03	22.98	22.94		
5	256QAM	1	0	21.18	21.20	21.28	21.22	21.26		
5	256QAM	1	12	20.81	20.81	20.89	20.79	20.87	22	5
5	256QAM	1	24	20.82	20.88	20.98	20.94	20.87		



GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	524.2	530.4	548.8		524.2	536.4	548.8	
Frequency (MHz)	31.70	31.93	31.65	33.50	22.70	22.93	22.65	24.50
GSM 1 Tx slot	31.61	31.90	31.62	33.50	22.61	22.90	22.62	24.50
GPRS 2 Tx slots	30.71	30.67	30.89	32.00	24.71	24.67	24.89	26.00
GPRS 3 Tx slots	28.92	28.96	28.68	30.00	24.66	24.70	24.42	25.74
GPRS 4 Tx slots	26.97	27.32	27.05	28.50	23.97	24.32	24.05	25.50
EDGE 1 Tx slot	25.45	25.25	25.14	27.00	16.45	16.25	16.14	18.00
EDGE 2 Tx slots	25.18	25.01	24.81	26.50	19.18	19.01	18.81	20.50
EDGE 3 Tx slots	24.59	24.39	24.26	25.50	20.33	20.13	20.00	21.24
EDGE 4 Tx slots	22.54	22.37	22.29	24.00	19.54	19.37	19.29	21.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	28.68	28.73	28.70	30.00	19.68	19.73	19.70	21.00
GSM 1 Tx slot	28.62	28.59	28.64	30.00	19.62	19.59	19.64	21.00
GPRS 2 Tx slots	27.89	27.74	27.58	29.00	21.89	21.74	21.58	23.00
GPRS 3 Tx slots	25.85	25.71	25.60	27.00	21.59	21.45	21.34	22.74
GPRS 4 Tx slots	24.17	24.00	23.85	25.50	21.17	21.00	20.85	22.50
EDGE 1 Tx slot	23.95	23.91	23.76	25.00	14.95	14.91	14.76	16.00
EDGE 2 Tx slots	23.87	23.56	23.51	25.00	17.87	17.56	17.51	19.00
EDGE 3 Tx slots	22.49	22.18	22.16	23.50	18.23	17.92	17.90	19.24
EDGE 4 Tx slots	20.38	20.16	20.07	21.50	17.38	17.16	17.07	18.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4232
Rx Channel	9692	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	22.85	22.94	22.81	24.00	22.55	22.52	22.60	24.00	22.93	22.95	22.82	24.00
3GPP Rel 99	RMC 12.2Kbps	23.07	23.11	23.06	24.00	22.78	22.90	22.83	24.00	23.03	23.21	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	22.04	22.13	21.81	23.00	21.82	21.86	21.59	23.00	22.07	22.19	21.88	23.00
3GPP Rel 6	HSDPA Subtest-2	21.78	21.99	21.96	23.00	21.54	21.78	21.71	23.00	21.86	22.07	21.99	23.00
3GPP Rel 6	HSDPA Subtest-3	21.14	21.07	21.37	22.50	20.96	20.84	21.14	22.50	21.30	21.13	21.45	22.50
3GPP Rel 6	HSDPA Subtest-4	21.48	21.55	21.34	22.50	21.27	21.34	21.17	22.50	21.59	21.70	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.09	22.08	21.97	23.00	21.87	21.82	21.81	23.00	22.13	22.08	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.82	22.07	21.87	23.00	21.66	21.82	21.67	23.00	21.97	22.06	21.99	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.06	21.38	22.50	20.86	20.90	21.16	22.50	21.20	21.20	21.42	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.36	21.68	21.34	22.50	21.18	21.51	21.15	22.50	21.54	21.82	21.49	22.50
3GPP Rel 6	HSUPA Subtest-1	22.07	22.12	21.91	23.00	21.82	21.92	21.73	23.00	22.12	22.28	22.06	23.00
3GPP Rel 6	HSUPA Subtest-2	20.35	20.08	20.13	21.00	20.17	19.86	19.94	21.00	20.45	20.12	20.24	21.00
3GPP Rel 6	HSUPA Subtest-3	21.03	20.97	20.91	22.00	20.83	20.79	20.65	22.00	21.10	21.07	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	20.08	19.92	20.04	21.00	19.86	19.69	19.82	21.00	20.17	20.05	20.07	21.00
3GPP Rel 6	HSUPA Subtest-5	22.02	21.91	21.94	23.00	21.81	21.74	21.80	23.00	22.07	22.08	22.13	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.50	19.71	19.33	20.50	19.27	19.49	19.12	20.50	19.60	19.73	19.48	20.50



Band 2 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.71	22.73	22.77				
20	QPSK	1	49	22.68	22.76	22.85			24	0
20	QPSK	50	0	21.71	21.69	21.75				
20	QPSK	50	24	21.68	21.74	21.77				
20	QPSK	50	50	21.69	21.77	21.71			23	1
20	QPSK	100	0	21.78	21.82	21.85				
20	16QAM	1	0	21.78	21.81	21.87				
20	16QAM	1	49	21.84	21.90	21.87			23	1
20	16QAM	1	99	21.73	21.79	21.86				
20	16QAM	100	0	20.56	20.63	20.71				
20	16QAM	50	24	20.64	20.75	20.83			22	2
20	16QAM	50	50	20.65	20.71	20.67				
20	16QAM	100	0	20.56	20.63	20.71				
20	16QAM	1	0	20.84	20.88	20.76				
20	16QAM	1	49	20.76	20.84	20.75			22	2
20	16QAM	1	99	20.77	20.83	20.71				
20	16QAM	50	0	19.75	19.83	19.75				
20	16QAM	50	24	19.57	19.70	19.56				
20	16QAM	50	50	19.86	19.74	19.85			21	3
20	16QAM	100	0	19.70	19.86	19.87				
20	256QAM	1	0	18.08	18.04	18.25				
20	256QAM	1	49	17.85	17.94	17.83			19	5
20	256QAM	1	99	17.96	18.02	17.91				
20	256QAM	50	0	17.99	18.14	18.02				
20	256QAM	50	24	18.01	18.11	18.10			19	5
20	256QAM	50	50	18.04	18.09	18.02				
20	256QAM	100	0	18.11	18.18	18.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.59	22.70	22.66				
15	QPSK	1	37	22.48	22.49	22.47			24	0
15	QPSK	1	74	22.44	22.63	22.67				
15	QPSK	35	0	21.64	21.73	21.66				
15	QPSK	35	20	21.62	21.69	21.63			23	1
15	QPSK	35	39	21.63	21.62	21.59				
15	QPSK	1	0	21.43	21.57	21.61				
15	16QAM	1	0	21.59	21.73	21.60				
15	16QAM	1	37	21.51	21.68	21.56			23	1
15	16QAM	1	74	21.61	21.74	21.63				
15	16QAM	35	0	20.80	20.84	20.55				
15	16QAM	35	20	20.56	20.61	20.54			22	2
15	16QAM	35	39	20.59	20.63	20.62				
15	16QAM	75	0	20.43	20.53	20.40				
15	16QAM	1	0	20.76	20.74	20.70				
15	16QAM	1	37	20.69	20.76	20.65			22	2
15	16QAM	1	74	20.69	20.76	20.65				
15	16QAM	35	0	19.85	19.77	19.62				
15	16QAM	35	20	19.85	19.77	19.62				
15	16QAM	35	39	19.43	19.52	19.47			21	3
15	16QAM	75	0	19.57	19.62	19.53				
15	16QAM	75	0	19.63	19.75	19.51				
15	16QAM	1	0	17.88	17.93	17.84			19	5
15	256QAM	1	0	17.88	17.93	17.84				
15	256QAM	1	37	17.88	17.93	17.84				
15	256QAM	1	74	17.88	17.93	17.84				
15	256QAM	35	0	18.04	18.09	18.02				
15	256QAM	35	20	17.96	18.10	18.03			19	5
15	256QAM	35	39	18.06	18.04	18.00				
15	256QAM	75	0	18.00	18.00	18.00				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.58	22.65	22.67				
10	QPSK	1	20	22.48	22.48	22.43			24	0
10	QPSK	1	49	22.58	22.62	22.52				
10	QPSK	25	0	21.65	21.74	21.64				
10	QPSK	25	12	21.62	21.62	21.58				
10	QPSK	25	25	21.62	21.69	21.61			23	1
10	QPSK	50	0	21.61	21.61	21.48				
10	16QAM	1	0	21.51	21.70	21.51				
10	16QAM	1	49	21.62	21.70	21.53			23	1
10	16QAM	1	99	21.59	21.73	21.63				
10	16QAM	50	0	20.58	20.59	20.52				
10	16QAM	50	24	20.42	20.48	20.48			22	2
10	16QAM	50	50	20.42	20.52	20.48				
10	16QAM	100	0	20.72	20.85	20.86				
10	16QAM	1	0	20.72	20.75	20.59			22	2
10	16QAM	1	49	20.71	20.89	20.61				
10	16QAM	1	99	20.69	20.77	20.56				
10	16QAM	25	0	19.44	19.63	19.51			21	3
10	16QAM	25	12	19.44	19.63	19.51				
10	16QAM	25	25	19.60	19.68	19.55				
10	16QAM	50	0	19.57	19.65	19.53				
10	16QAM	50	24	19.07	19.15	19.12				
10	16QAM	50	50	19.07	19.15	19.12				
10	16QAM	100	0	18.07	18.15	18.12				
10	256QAM	1	0	17.96	17.91	17.81			19	5
10	256QAM	1	49	17.96	17.96	17.89				
10	256QAM	1	99	18.00	18.18	18.09				
10	256QAM	25	0	18.00	18.18	18.09				
10	256QAM	25	12	18.00	18.18	18.13				
10	256QAM	25	25	17.96	18.08	17.93			19	5
10	256QAM	50	0	18.08	18.10	17.93				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.59	22.68	22.66				
5	QPSK	1	12	22.46	22.50	22.44			24	0
5	QPSK	1	24	22.59	22.67	22.61				
5	QPSK	12	0	21.61	21.70	21.64				
5	QPSK	12	7	21.59	21.69	21.65			23	1
5	QPSK	12	13	21.62	21.67	21.62				
5	QPSK	25	0	21.49	21.61	21.52				
5	16QAM	1	0	21.53	21.70	21.53				
5	16QAM	1	12	21.66	21.75	21.67			23	1
5	16QAM	12	0	20.56	20.63	20.62				
5	16QAM	12	7	20.56	20.62	20.58			22	2
5	16QAM	12	13	20.51	20.59	20.59				
5	16QAM	25	0	20.48	20.56	20.44				
5	16QAM	25	0	20.73	20.75	20.64			22	2
5	16QAM	25	12	20.68	20.75	20.68				
5	16QAM	25	25	20.69	20.66	20.56				
5	16QAM	50	0	19.70	19.71	19.61			21	3
5	16QAM	50	12	19.47	19.67	19.41				
5	16QAM	50	25	19.59	19.64	19.57				
5	16QAM	25	0	19.56	19.68	19.54				
5	256QAM	1	0	17.97	17.97	17.89			19	5
5	256QAM	1	12	17.87	17.97	17.89				
5	256QAM	1	24	18.01	18.03	17.99				
5	256QAM	12	0	17.97	18.02	17.92				
5	256QAM	12	7	17.99	18.11	18.10			19	5
5	256QAM	12	13	18.04	18.03	18.01				
5	256QAM	25	0	18.08	18.04	17.97				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.57	22.73	22.64				
1.4	QPSK	1	3	22.42	22.48	22.41			24	0
1.4	QPSK	1	6	22.62	22.66	22.50				
1.4	QPSK	3	0	22.63	22.66	22.71				
1.4	QPSK	3	1	22.63	22.70	22.66				
1.4	QPSK	3	1	22.66	22.67	22.62				
1.4	QPSK	8	0	21.66	21.66	21.65			23	1
1.4	16QAM	1	0	21.57	21.71	21.65				
1.4	16QAM	1	3	21.58	21.68	21.61			23	1
1.4	16QAM	1	6	21.60	21.69	21.62				
1.4	16QAM	3	0	21.55	21.70	21.68				
1.4	16QAM	3	1	21.51	21.68	21.60				
1.4	16QAM	3	1	21.51	21.63	21.59				
1.4	16QAM	8	0	20.43	20.50	20.44			22	2
1.4	16QAM	1	0	20.70	20.83	20.71				
1.4	16QAM	1	3	20.68	20.75	20.71				
1.4	16QAM	1	6	20.69	20.68	20.59			22	2
1.4	16QAM	3	0	20.62	20.71	20.54				
1.4	16QAM	3	1	20.42	20.64	20.54				
1.4	16QAM	3	1	20.51	20.64	20.59				
1.4	16QAM	8	0	19.60	19.72	19.56			21	3
1.4	256QAM	1	0	17.96	17.97	17.89				
1.4	256QAM	1	3	17.91	17.88	17.82				
1.4	256QAM	1	6	18.03	18.09	17.90			19	5
1.4	256QAM	3	0	17.97	18.03	17.94				
1.4	256QAM	3	1	18.03	18.14	18.14				
1.4	256QAM	3	1	17.98	18.12	18.01				
1.4	256QAM	8	0	18.09	18.08	17.82			19	5

Band 4 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.54	22.63	22.60				
20	QPSK	1	49	22.41	22.43	22.43			24	0



Band 12 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.05	23.12	23.07	24	0	
10	QPSK	25	0	23.04	23.08	23.03			
10	QPSK	1	49	23.09	23.11	23.00			
10	QPSK	25	0	21.98	22.14	22.05	23	1	
10	QPSK	25	0	21.96	21.98	21.93			
10	QPSK	25	26	21.90	22.05	22.09			
10	QPSK	50	0	22.04	22.09	21.99			
10	16QAM	1	0	21.98	21.94	21.84	23	1	
10	16QAM	1	25	22.00	22.08	21.88			
10	16QAM	1	49	22.08	22.02	21.91			
10	16QAM	25	0	20.95	21.01	20.77	22	2	
10	16QAM	25	12	21.00	21.05	20.94			
10	16QAM	25	26	20.95	21.02	20.95			
10	16QAM	1	0	21.12	21.20	21.04			
10	16QAM	1	25	21.13	21.07	21.03	22	2	
10	16QAM	1	49	21.09	21.19	21.09			
10	16QAM	25	0	20.92	20.12	19.92	21	3	
10	16QAM	25	12	20.92	19.94	19.88			
10	16QAM	25	26	20.93	19.99	19.94			
10	25QAM	1	0	19.88	20.06	19.95	19	5	
10	25QAM	1	25	19.84	19.27	18.15			
10	25QAM	1	49	19.88	18.42	18.32			
10	25QAM	25	0	18.21	18.41	18.29			
10	25QAM	25	12	18.23	18.42	18.32			
10	25QAM	25	26	18.25	18.41	18.31			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.93	23.03	22.94	24	0	
5	QPSK	1	12	22.84	22.91	22.72			
5	QPSK	1	24	22.99	23.01	22.92			
5	QPSK	12	0	21.91	22.06	21.91	23	1	
5	QPSK	12	7	21.81	22.00	21.79			
5	QPSK	12	13	21.76	21.84	21.86			
5	16QAM	1	0	21.86	21.82	21.80	23	1	
5	16QAM	1	12	21.88	22.03	21.74			
5	16QAM	12	0	20.85	20.97	20.82	22	2	
5	16QAM	12	7	20.85	20.89	20.76			
5	16QAM	12	13	20.85	20.95	20.82			
5	16QAM	1	0	21.09	21.08	20.93	22	2	
5	16QAM	1	24	20.94	21.09	21.02			
5	16QAM	12	0	19.95	20.01	19.82	21	3	
5	16QAM	12	7	19.95	19.97	19.87			
5	16QAM	12	13	19.92	19.92	19.87			
5	25QAM	1	0	18.22	18.23	18.13	19	5	
5	25QAM	1	24	18.44	18.43	18.27			
5	25QAM	12	0	18.26	18.27	18.14			
5	25QAM	12	7	18.19	18.39	18.19			
5	25QAM	12	13	18.27	18.30	18.38			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.92	22.99	22.91	24	0	
3	QPSK	1	14	22.93	23.03	22.87			
3	QPSK	8	0	21.82	22.01	21.84	23	1	
3	QPSK	8	7	21.85	21.93	21.99			
3	16QAM	1	0	22.00	22.03	21.88	23	1	
3	16QAM	1	8	21.94	22.02	21.77			
3	16QAM	1	14	22.01	21.87	21.84			
3	16QAM	8	0	20.93	20.99	20.76	22	2	
3	16QAM	8	4	20.93	20.95	20.78			
3	16QAM	8	7	20.83	20.89	20.85			
3	16QAM	1	0	21.09	21.09	20.76	22	2	
3	16QAM	1	8	21.02	21.01	20.97			
3	16QAM	1	14	21.01	21.06	21.00			
3	16QAM	8	0	19.88	19.89	19.82	21	3	
3	16QAM	8	4	19.87	19.79	19.83			
3	25QAM	1	0	18.20	18.23	18.08	19	5	
3	25QAM	1	8	18.26	18.22	18.19			
3	25QAM	1	14	18.26	18.40	18.32			
3	25QAM	8	0	18.30	18.39	18.35			
3	25QAM	8	4	18.17	18.30	18.29			
3	25QAM	15	0	18.32	18.32	18.40			
3	25QAM	15	0	18.37	18.39	18.35			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.88	23.06	22.96	24	0	
1.4	QPSK	1	3	22.75	22.91	22.67			
1.4	QPSK	1	5	22.94	22.86	22.87			
1.4	QPSK	3	0	22.96	22.95	22.91	23	1	
1.4	QPSK	3	1	22.67	22.88	22.96			
1.4	QPSK	3	1	22.88	22.85	22.92			
1.4	16QAM	1	0	21.74	22.07	21.79	23	1	
1.4	16QAM	1	0	21.68	21.90	21.88			
1.4	16QAM	1	3	21.97	21.65	21.91	23	1	
1.4	16QAM	3	0	22.00	22.09	21.89			
1.4	16QAM	3	1	21.77	21.97	22.01			
1.4	16QAM	3	1	21.96	21.97	21.80			
1.4	16QAM	6	0	21.85	21.81	21.94	22	2	
1.4	16QAM	6	0	20.86	20.91	20.91			
1.4	16QAM	1	0	20.96	21.11	20.97			
1.4	16QAM	1	5	21.03	21.09	20.97	22	2	
1.4	16QAM	3	0	20.95	21.10	20.90			
1.4	16QAM	3	0	20.89	20.95	20.71			
1.4	16QAM	3	3	20.84	20.90	20.83			
1.4	16QAM	6	0	19.86	19.93	19.99	21	3	
1.4	25QAM	1	0	18.33	18.48	18.44	19	5	
1.4	25QAM	1	5	18.45	18.38	18.37			
1.4	25QAM	3	0	18.29	18.27	18.36			
1.4	25QAM	3	1	18.23	18.40	18.29			
1.4	25QAM	3	1	18.20	18.31	18.37			
1.4	25QAM	6	0	18.36	18.44	18.36	19	5	

Band 13 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.61	22.61	22.61	24	0	
10	QPSK	1	25	22.61	22.61	22.61			
10	QPSK	1	49	22.78	22.78	22.78			
10	QPSK	25	0	21.83	21.83	21.83	23	1	
10	QPSK	25	12	21.73	21.73	21.73			
10	QPSK	25	26	21.78	21.78	21.78			
10	QPSK	50	0	21.81	21.81	21.81			
10	16QAM	1	25	21.83	21.83	21.83	23	1	
10	16QAM	1	49	21.70	21.70	21.70			
10	16QAM	25	0	20.91	21.01	20.86	22	2	
10	16QAM	25	12	20.80	20.80	20.80			
10	16QAM	25	26	20.75	20.75	20.75			
10	16QAM	25	26	20.70	20.70	20.70			
10	16QAM	50	0	20.92	20.92	20.92			
10	16QAM	1	25	20.72	20.72	20.72	22	2	
10	16QAM	1	49	20.60	20.60	20.60			
10	16QAM	25	0	19.82	19.82	19.82	21	3	
10	16QAM	25	12	19.59	19.59	19.59			
10	16QAM	25	26	19.62	19.62	19.62			
10	25QAM	1	0	18.18	18.18	18.18	19	5	
10	25QAM	1	25	17.88	17.88	17.88			
10	25QAM	1	49	18.26	18.26	18.24			
10	25QAM	25	0	18.18	18.18	18.18	19	5	
10	25QAM	25	12	18.02	18.02	18.02			
10	25QAM	25	26	18.07	18.07	18.07			
10	25QAM	50	0	18.07	18.04	18.22			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.69	22.71	22.72	24	0	
5	QPSK	1	12	22.51	22.56	22.55			
5	QPSK	1	24	22.72	22.72	22.71			
5	QPSK	12	0	21.75	21.75	21.70	23	1	
5	QPSK	12	7	21.68	21.70	21.66			
5	QPSK	12	13	21.68	21.66	21.66			
5	16QAM	1	0	21.72	21.70	21.69	23	1	
5	16QAM	1	12	21.55	21.61	21.55			
5	16QAM	12	0	20.85	20.85	20.86	22	2	
5	16QAM	12	7	20.69	20.72	20.65			
5	16QAM	12	13	20.57	20.61	20.57			
5	16QAM	1	0	20.86	20.86	20.87	22	2	
5	16QAM	1	24						



Band 7 (2600MHz Band) Ant4 For ENDC									
Part 27									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.85	22.93	22.80	24	0	
20	QPSK	1	49	22.67	22.72	22.62			
20	QPSK	1	99	22.72	22.79	22.65			
20	QPSK	50	0	21.77	21.83	21.67	23	1	
20	QPSK	50	24	21.78	21.91	21.80			
20	QPSK	50	50	21.84	21.95	21.91			
20	QPSK	100	0	21.84	21.93	21.88	23	1	
20	16QAM	1	0	21.61	21.74	21.58			
20	16QAM	1	49	21.65	21.71	21.62			
20	16QAM	1	99	21.75	21.88	21.77	22	2	
20	16QAM	50	0	20.83	20.93	20.89			
20	16QAM	50	24	20.70	20.81	20.75			
20	16QAM	50	50	20.76	20.90	20.84	22	2	
20	16QAM	100	0	20.63	20.79	20.70			
20	64QAM	1	0	20.80	20.85	20.76			
20	64QAM	1	49	20.70	20.77	20.63	22	2	
20	64QAM	1	99	20.70	20.79	20.66			
20	64QAM	50	0	19.78	19.93	19.79			
20	64QAM	50	24	19.89	19.97	19.81	21	3	
20	64QAM	50	50	19.87	20.00	19.88			
20	64QAM	100	0	19.82	19.89	19.74			
20	256QAM	1	0	18.12	18.20	18.12	19	5	
20	256QAM	1	49	17.99	18.02	17.93			
20	256QAM	1	99	18.08	18.07	17.96			
20	256QAM	50	0	18.11	18.13	17.99	19	5	
20	256QAM	50	24	18.06	18.20	18.06			
20	256QAM	50	50	18.11	18.23	18.19			
20	256QAM	100	0	18.16	18.28	18.17			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.70	22.86	22.73	24	0	
15	QPSK	1	37	22.59	22.61	22.54			
15	QPSK	1	74	22.60	22.73	22.50			
15	QPSK	36	0	21.63	21.74	21.56	23	1	
15	QPSK	36	20	21.62	21.80	21.75			
15	QPSK	36	39	21.69	21.81	21.85			
15	QPSK	75	0	21.68	21.88	21.76	23	1	
15	16QAM	1	0	21.48	21.67	21.48			
15	16QAM	1	37	21.58	21.60	21.46			
15	16QAM	1	74	21.62	21.72	21.69	22	2	
15	16QAM	36	0	20.72	20.83	20.82			
15	16QAM	36	20	20.64	20.71	20.70			
15	16QAM	36	39	20.62	20.80	20.75	22	2	
15	16QAM	75	0	20.56	20.67	20.59			
15	64QAM	1	0	20.66	20.80	20.62			
15	64QAM	1	37	20.63	20.69	20.51	22	2	
15	64QAM	1	74	20.58	20.68	20.56			
15	64QAM	36	0	19.65	19.83	19.74			
15	64QAM	36	20	19.85	19.85	19.70	21	3	
15	64QAM	36	39	19.80	19.91	19.83			
15	64QAM	75	0	19.77	19.81	19.62			
15	256QAM	1	0	18.22	18.25	18.17	19	5	
15	256QAM	1	37	18.02	17.99	17.94			
15	256QAM	1	74	17.99	18.09	18.00			
15	256QAM	36	0	18.10	18.18	17.93	19	5	
15	256QAM	36	20	18.12	18.23	18.06			
15	256QAM	36	39	18.20	18.28	18.26			
15	256QAM	75	0	18.18	18.25	18.21			
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.79	22.78	22.65	24	0	
10	QPSK	1	25	22.54	22.57	22.56			
10	QPSK	1	49	22.66	22.68	22.58			
10	QPSK	25	0	21.72	21.67	21.64	23	1	
10	QPSK	25	12	21.73	21.86	21.71			
10	QPSK	25	25	21.79	21.84	21.79			
10	QPSK	50	0	21.69	21.83	21.78	23	1	
10	16QAM	1	0	21.47	21.60	21.44			
10	16QAM	1	25	21.50	21.59	21.48			
10	16QAM	1	49	21.61	21.81	21.64	22	2	
10	16QAM	25	0	20.70	20.86	20.85			
10	16QAM	25	12	20.63	20.70	20.60			
10	16QAM	25	25	20.62	20.77	20.68	22	2	
10	16QAM	50	0	20.58	20.73	20.63			
10	64QAM	1	0	20.66	20.69	20.71			
10	64QAM	1	25	20.65	20.72	20.58	22	2	
10	64QAM	1	49	20.63	20.66	20.59			
10	64QAM	25	0	19.69	19.82	19.68			
10	64QAM	25	12	19.77	19.92	19.68	21	3	
10	64QAM	25	25	19.71	19.90	19.76			
10	64QAM	50	0	19.74	19.76	19.64			
10	256QAM	1	0	18.16	18.27	18.13	19	5	
10	256QAM	1	25	17.92	18.05	17.88			
10	256QAM	1	49	18.07	18.11	17.93			
10	256QAM	25	0	18.08	18.19	18.03	19	5	
10	256QAM	25	12	18.11	18.21	18.11			
10	256QAM	25	25	18.16	18.24	18.21			
10	256QAM	50	0	18.17	18.20	18.20			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.75	22.88	22.64	24	0	
5	QPSK	1	12	22.56	22.57	22.48			
5	QPSK	1	24	22.67	22.74	22.61			
5	QPSK	12	0	21.65	21.76	21.53	23	1	
5	QPSK	12	7	21.73	21.79	21.65			
5	QPSK	12	13	21.75	21.79	21.77			
5	QPSK	25	0	21.71	21.86	21.73	23	1	
5	16QAM	1	0	21.51	21.61	21.51			
5	16QAM	1	12	21.56	21.60	21.47			
5	16QAM	1	24	21.64	21.82	21.64	22	2	
5	16QAM	12	0	20.73	20.85	20.82			
5	16QAM	12	7	20.58	20.65	20.67			
5	16QAM	12	13	20.66	20.75	20.71	22	2	
5	16QAM	25	0	20.56	20.65	20.57			
5	64QAM	1	0	20.64	20.79	20.70			
5	64QAM	1	12	20.57	20.69	20.48	22	2	
5	64QAM	1	24	20.65	20.72	20.57			
5	64QAM	12	0	19.66	19.81	19.73			
5	64QAM	12	7	19.79	19.85	19.66	21	3	
5	64QAM	12	13	19.74	19.95	19.74			
5	64QAM	25	0	19.75	19.75	19.60			
5	256QAM	1	0	18.21	18.22	18.07	19	5	
5	256QAM	1	12	18.03	18.06	17.96			
5	256QAM	1	24	18.00	18.12	17.94			
5	256QAM	12	0	18.10	18.14	17.96	19	5	
5	256QAM	12	7	18.15	18.26	18.07			
5	256QAM	12	13	18.11	18.27	18.17			
5	256QAM	25	0	18.17	18.23	18.18			



Band 38 Ant4 For ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38000	38150			
				2580	2595	2610			
20	QPSK	1	0	22.49	22.57	22.35			
20	QPSK	1	49	22.27	22.40	22.32	24	0	
20	QPSK	1	99	22.30	22.45	22.37			
20	QPSK	50	0	21.50	21.60	21.52			
20	QPSK	50	24	21.50	21.56	21.48	23	1	
20	QPSK	50	50	21.34	21.42	21.36			
20	QPSK	100	0	21.32	21.47	21.35			
20	16QAM	1	0	21.25	21.40	21.25			
20	16QAM	1	49	21.23	21.38	21.24	23	1	
20	16QAM	1	99	21.25	21.33	21.17			
20	16QAM	50	0	20.54	20.63	20.59			
20	16QAM	50	24	20.58	20.72	20.58	22	2	
20	16QAM	50	50	20.42	20.50	20.45			
20	16QAM	100	0	20.42	20.49	20.45			
20	64QAM	1	0	20.45	20.55	20.39			
20	64QAM	1	49	20.43	20.53	20.40	22	2	
20	64QAM	1	99	20.29	20.41	20.28			
20	64QAM	50	0	19.52	19.59	19.53			
20	64QAM	50	24	19.54	19.61	19.46	21	3	
20	64QAM	50	50	19.43	19.47	19.37			
20	64QAM	100	0	19.33	19.44	19.33			
20	256QAM	1	0	17.85	17.94	17.68			
20	256QAM	1	49	17.57	17.73	17.62	19	5	
20	256QAM	1	99	17.81	17.76	17.63			
20	256QAM	50	0	17.83	17.91	17.84			
20	256QAM	50	24	17.85	17.83	17.73	19	5	
20	256QAM	50	50	17.71	17.79	17.67			
20	256QAM	100	0	17.80	17.81	17.69			
Channel									
Frequency (MHz)				37825	38000	38175			
				2577.5	2595	2612.5			
15	QPSK	1	0	22.35	22.44	22.30			
15	QPSK	1	37	22.19	22.31	22.18	24	0	
15	QPSK	1	74	22.17	22.32	22.22			
15	QPSK	36	0	21.42	21.47	21.44			
15	QPSK	36	20	21.41	21.41	21.39	23	1	
15	QPSK	36	39	21.27	21.29	21.32			
15	QPSK	75	0	21.27	21.40	21.23			
15	16QAM	1	0	21.19	21.34	21.13			
15	16QAM	1	37	21.13	21.31	21.18	23	1	
15	16QAM	1	74	21.10	21.28	21.08			
15	16QAM	36	0	20.45	20.62	20.47			
15	16QAM	36	20	20.49	20.56	20.44	22	2	
15	16QAM	36	39	20.31	20.45	20.35			
15	16QAM	75	0	20.31	20.43	20.39			
15	64QAM	1	0	20.30	20.41	20.25			
15	64QAM	1	37	20.39	20.42	20.28	22	2	
15	64QAM	1	74	20.17	20.28	20.17			
15	64QAM	36	0	19.44	19.55	19.46			
15	64QAM	36	20	19.39	19.48	19.36			
15	64QAM	36	39	19.32	19.32	19.24	21	3	
15	64QAM	75	0	19.25	19.33	19.22			
15	256QAM	1	0	17.79	17.83	17.65			
15	256QAM	1	37	17.63	17.73	17.60	19	5	
15	256QAM	1	74	17.63	17.71	17.68			
15	256QAM	36	0	17.84	17.91	17.79			
15	256QAM	36	20	17.77	17.86	17.84	19	5	
15	256QAM	36	39	17.66	17.67	17.68			
15	256QAM	75	0	17.59	17.83	17.71			
Channel									
Frequency (MHz)				37800	38000	38200			
				2575	2595	2615			
10	QPSK	1	0	22.43	22.42	22.24			
10	QPSK	1	25	22.20	22.28	22.20	24	0	
10	QPSK	1	49	22.21	22.31	22.27			
10	QPSK	25	0	21.34	21.56	21.46			
10	QPSK	25	12	21.46	21.45	21.44			
10	QPSK	25	25	21.24	21.29	21.29	23	1	
10	QPSK	50	0	21.23	21.33	21.22			
10	16QAM	1	0	21.17	21.26	21.13			
10	16QAM	1	25	21.15	21.31	21.20	23	1	
10	16QAM	1	49	21.21	21.24	21.02			
10	16QAM	25	0	20.47	20.56	20.53			
10	16QAM	25	12	20.52	20.68	20.48	22	2	
10	16QAM	25	25	20.32	20.42	20.38			
10	16QAM	50	0	20.29	20.34	20.37			
10	64QAM	1	0	20.38	20.47	20.34			
10	64QAM	1	25	20.34	20.48	20.26	22	2	
10	64QAM	1	49	20.16	20.35	20.12			
10	64QAM	25	0	19.44	19.55	19.44			
10	64QAM	25	12	19.42	19.47	19.32			
10	64QAM	25	25	19.37	19.34	19.23	21	3	
10	64QAM	50	0	19.19	19.29	19.29			
10	256QAM	1	0	17.80	17.85	17.68			
10	256QAM	1	25	17.54	17.72	17.65	19	5	
10	256QAM	1	49	17.56	17.80	17.74			
10	256QAM	25	0	17.77	17.95	17.84			
10	256QAM	25	12	17.75	17.84	17.81	19	5	
10	256QAM	25	25	17.59	17.68	17.65			
10	256QAM	50	0	17.62	17.76	17.65			
Channel									
Frequency (MHz)				37775	38000	38225			
				2572.5	2595	2617.5			
5	QPSK	1	0	22.36	22.51	22.31			
5	QPSK	1	12	22.23	22.25	22.19	24	0	
5	QPSK	1	24	22.15	22.34	22.21			
5	QPSK	12	0	21.40	21.44	21.47			
5	QPSK	12	7	21.39	21.42	21.33	23	1	
5	QPSK	12	13	21.23	21.26	21.25			
5	QPSK	25	0	21.20	21.33	21.24			
5	16QAM	1	0	21.19	21.36	21.15			
5	16QAM	1	12	21.18	21.24	21.19	23	1	
5	16QAM	1	24	21.18	21.21	21.10			
5	16QAM	12	0	20.46	20.51	20.49			
5	16QAM	12	7	20.45	20.67	20.44	22	2	
5	16QAM	12	13	20.36	20.34	20.33			
5	16QAM	25	0	20.35	20.40	20.29			
5	64QAM	1	0	20.39	20.44	20.23			
5	64QAM	1	12	20.36	20.48	20.32	22	2	
5	64QAM	1	24	20.18	20.33	20.15			
5	64QAM	12	0	19.41	19.52	19.38			
5	64QAM	12	7	19.49	19.52	19.35			
5	64QAM	12	13	19.30	19.32	19.25	21	3	
5	64QAM	25	0	19.26	19.30	19.20			
5	256QAM	1	0	17.83	17.88	17.60			
5	256QAM	1	12	17.80	17.75	17.57	19	5	
5	256QAM	1	24	17.58	17.76	17.74			
5	256QAM	12	0	17.80	17.92	17.88			
5	256QAM	12	7	17.79	17.85	17.84			
5	256QAM	12	13	17.70	17.73	17.71	19	5	
5	256QAM	25	0	17.68	17.77	17.70			

Band 41 Ant4 For ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.74	22.57	22.77	22.49	22.54		
20	QPSK	1	49	22.53	22.52	22.61	22.49	22.49	24	0
20	QPSK	1	99	22.51	22.51	22.60	22.45	22.48		
20	QPSK	50	0	21.67	21.68	21.77	21.65	21.65		
20	QPSK	50	24	21.61	21.65	21.75	21.60	21.62	23	1
20	QPSK	50	50	21.57	21.58	21.67	21.56	21.55		
20	QPSK	100	0	21.59	21.60	21.68	21.59	21.56		
20	16QAM	1	0	22.10	22.13	22.22	22.14	22.08		
20	16QAM	1	49	21.96	21.99	22.09	21.94	21.96	23	1
20	16QAM	1	99	21.92	21.97	22.06	21.91	21.95		
20	16QAM	50	0	20.90	20.93	21.01				



Band 42 FCC Part27Q Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.74	22.89	22.85	24	0	
20	QPSK	1	49	22.83	22.72	22.86			
20	QPSK	1	99	22.78	22.81	22.73			
20	QPSK	50	0	21.75	22.00	21.94	23	1	
20	QPSK	50	24	21.82	21.93	21.94			
20	QPSK	50	50	21.84	21.96	21.78			
20	QPSK	100	0	21.89	21.95	21.86	23	1	
20	16QAM	1	0	21.73	21.82	21.85			
20	16QAM	1	49	21.76	21.89	21.79			
20	16QAM	1	99	21.83	21.91	21.72	22	2	
20	16QAM	50	0	20.74	20.89	20.84			
20	16QAM	50	24	20.86	20.71	20.80			
20	16QAM	50	50	20.74	20.85	20.89	22	2	
20	16QAM	100	0	20.67	20.82	20.66			
20	64QAM	1	0	20.99	21.00	20.83			
20	64QAM	1	49	20.76	20.95	20.78	22	2	
20	64QAM	1	99	20.86	20.98	20.81			
20	64QAM	50	0	19.71	19.79	19.73			
20	64QAM	50	24	19.66	19.85	19.69	21	3	
20	64QAM	50	50	19.83	19.79	19.76			
20	64QAM	100	0	19.70	19.99	19.91			
20	256QAM	1	0	18.00	18.23	18.14	19	5	
20	256QAM	1	49	18.14	17.99	18.21			
20	256QAM	1	99	18.15	18.13	18.03			
20	256QAM	50	0	18.11	18.29	18.19	19	5	
20	256QAM	50	24	18.09	18.29	18.29			
20	256QAM	50	50	18.13	18.28	18.07			
20	256QAM	100	0	18.23	18.30	18.23			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.89	22.81	22.72	24	0	
15	QPSK	1	37	22.67	22.57	22.81			
15	QPSK	1	74	22.68	22.68	22.67			
15	QPSK	36	0	21.67	21.92	21.86	23	1	
15	QPSK	36	20	21.70	21.87	21.82			
15	QPSK	36	39	21.70	21.91	21.66			
15	QPSK	75	0	21.82	21.90	21.78	23	1	
15	16QAM	1	0	21.69	21.75	21.77			
15	16QAM	1	37	21.60	21.80	21.68			
15	16QAM	1	74	21.71	21.75	21.57	22	2	
15	16QAM	36	0	20.60	20.74	20.77			
15	16QAM	36	20	20.70	20.59	20.66			
15	16QAM	36	39	20.69	20.80	20.76	22	2	
15	16QAM	75	0	20.57	20.68	20.51			
15	64QAM	1	0	20.87	20.92	20.72			
15	64QAM	1	37	20.61	20.81	20.71	22	2	
15	64QAM	1	74	20.71	20.72	20.74			
15	64QAM	36	0	19.56	19.70	19.61			
15	64QAM	36	20	19.51	19.71	19.48	21	3	
15	64QAM	36	39	19.78	19.67	19.61			
15	64QAM	75	0	19.61	19.86	19.83			
15	256QAM	1	0	18.02	18.20	18.10	19	5	
15	256QAM	1	37	18.17	18.02	18.16			
15	256QAM	1	74	18.08	18.11	18.02			
15	256QAM	36	0	18.11	18.26	18.23	19	5	
15	256QAM	36	20	18.15	18.21	18.28			
15	256QAM	36	39	18.21	18.27	18.08			
15	256QAM	75	0	18.20	18.24	18.23			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	22.63	22.76	22.80	24	0	
10	QPSK	1	25	22.68	22.67	22.73			
10	QPSK	1	49	22.63	22.76	22.80			
10	QPSK	25	0	21.83	21.88	21.87	23	1	
10	QPSK	25	12	21.76	21.80	21.89			
10	QPSK	25	25	21.77	21.80	21.68			
10	QPSK	50	0	21.75	21.88	21.76	23	1	
10	16QAM	1	0	21.65	21.68	21.74			
10	16QAM	1	25	21.81	21.75	21.65			
10	16QAM	1	49	21.88	21.76	21.60	22	2	
10	16QAM	25	0	20.69	20.79	20.76			
10	16QAM	25	12	20.78	20.57	20.71			
10	16QAM	25	25	20.65	20.80	20.78	22	2	
10	16QAM	50	0	20.62	20.72	20.57			
10	64QAM	1	0	20.89	20.94	20.73			
10	64QAM	1	25	20.70	20.86	20.67	22	2	
10	64QAM	1	49	20.71	20.77	20.71			
10	64QAM	25	0	19.58	19.74	19.62			
10	64QAM	25	12	19.58	19.71	19.45	21	3	
10	64QAM	25	25	19.71	19.72	19.69			
10	64QAM	50	0	19.66	19.87	19.76			
10	256QAM	1	0	18.00	18.23	18.20	19	5	
10	256QAM	1	25	18.10	18.02	18.20			
10	256QAM	1	49	18.11	18.16	18.08			
10	256QAM	25	0	18.11	18.34	18.21	19	5	
10	256QAM	25	12	18.09	18.22	18.26			
10	256QAM	25	25	18.16	18.33	18.08			
10	256QAM	50	0	18.18	18.29	18.16			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.62	22.84	22.75	24	0	
5	QPSK	1	12	22.78	22.63	22.80			
5	QPSK	1	24	22.74	22.74	22.59			
5	QPSK	12	0	21.62	21.93	21.81	23	1	
5	QPSK	12	7	21.76	21.78	21.81			
5	QPSK	12	13	21.73	21.85	21.66			
5	QPSK	25	0	21.74	21.84	21.70	23	1	
5	16QAM	1	0	21.62	21.71	21.71			
5	16QAM	1	12	21.60	21.84	21.67			
5	16QAM	1	24	21.71	21.87	21.62	22	2	
5	16QAM	12	0	20.65	20.82	20.69			
5	16QAM	12	7	20.73	20.66	20.71			
5	16QAM	12	13	20.60	20.73	20.79	22	2	
5	16QAM	25	0	20.58	20.75	20.58			
5	64QAM	1	0	20.89	20.92	20.71			
5	64QAM	1	12	20.72	20.81	20.67	22	2	
5	64QAM	1	24	20.62	20.77	20.76			
5	64QAM	12	0	19.65	19.70	19.57			
5	64QAM	12	7	19.58	19.75	19.52	21	3	
5	64QAM	12	13	19.76	19.69	19.64			
5	64QAM	25	0	19.64	19.92	19.78			
5	256QAM	1	0	18.02	18.21	18.10	19	5	
5	256QAM	1	12	18.08	18.02	18.14			
5	256QAM	1	24	18.04	18.11	18.06			
5	256QAM	12	0	18.05	18.31	18.25	19	5	
5	256QAM	12	7	18.12	18.19	18.25			
5	256QAM	12	13	18.20	18.28	18.05			
5	256QAM	25	0	18.22	18.20	18.13			



Reduced Power Mode

Band 7 body&hotspot&extremity Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.43	17.45	17.40	18.5	0	
20	QPSK	1	49	17.40	17.43	17.22			
20	QPSK	1	99	17.22	17.17	17.30			
20	QPSK	50	0	17.09	17.31	17.25	18.5	0	
20	QPSK	50	24	17.25	17.15	17.16			
20	QPSK	50	50	17.02	17.26	17.18			
20	QPSK	100	0	17.24	17.29	17.09	18.5	0	
20	16QAM	1	0	17.27	17.23	17.11			
20	16QAM	1	49	17.11	17.09	17.06			
20	16QAM	1	99	17.11	17.22	17.00	18.5	0	
20	16QAM	50	0	17.16	17.24	17.20			
20	16QAM	50	24	17.24	17.27	17.14			
20	16QAM	50	50	17.09	17.27	17.13	18.5	0	
20	16QAM	100	0	17.04	17.19	17.09			
20	64QAM	1	0	17.24	17.21	17.07			
20	64QAM	1	49	17.10	17.12	17.21	18.5	0	
20	64QAM	1	99	17.21	17.25	17.27			
20	64QAM	50	0	17.04	17.24	17.03			
20	64QAM	50	24	17.21	17.14	17.02	18.5	0	
20	64QAM	50	50	17.06	17.07	17.06			
20	64QAM	100	0	17.25	17.21	17.23			
20	256QAM	1	0	17.28	17.32	17.25	18.5	0	
20	256QAM	1	49	17.20	17.20	17.01			
20	256QAM	1	99	17.01	16.95	17.14			
20	256QAM	50	0	16.89	17.11	17.09	18.5	0	
20	256QAM	50	24	17.01	17.01	17.00			
20	256QAM	50	50	16.87	17.07	17.03			
20	256QAM	100	0	17.09	17.14	16.86			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.29	17.34	17.21	18.5	0	
15	QPSK	1	37	17.34	17.31	17.03			
15	QPSK	1	74	17.18	17.16	17.27			
15	QPSK	36	0	16.99	17.28	17.07	18.5	0	
15	QPSK	36	20	17.14	17.05	17.06			
15	QPSK	36	39	16.93	17.15	17.14			
15	QPSK	75	0	17.08	17.24	16.97	18.5	0	
15	16QAM	1	0	17.09	17.04	17.05			
15	16QAM	1	37	16.89	17.04	17.03			
15	16QAM	1	74	17.02	16.97	16.87	18.5	0	
15	16QAM	36	0	17.01	17.02	17.17			
15	16QAM	36	20	17.06	17.16	16.90			
15	16QAM	36	39	16.89	17.23	16.89	18.5	0	
15	16QAM	75	0	16.81	16.95	16.85			
15	64QAM	1	0	17.04	17.08	17.02			
15	64QAM	1	37	16.91	17.05	16.99	18.5	0	
15	64QAM	1	74	17.01	17.07	17.24			
15	64QAM	36	0	17.00	16.99	16.80			
15	64QAM	36	20	17.05	16.93	16.94	18.5	0	
15	64QAM	36	39	17.00	16.96	17.04			
15	64QAM	75	0	17.14	17.14	17.13			
15	256QAM	1	0	17.19	17.30	17.18	18.5	0	
15	256QAM	1	37	17.16	17.27	17.06			
15	256QAM	1	74	17.06	16.93	17.05			
15	256QAM	36	0	16.86	17.07	17.06	18.5	0	
15	256QAM	36	20	17.09	16.95	16.99			
15	256QAM	36	39	16.88	17.01	17.02			
15	256QAM	75	0	17.07	17.05	16.85			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.40	17.33	17.23	18.5	0	
10	QPSK	1	25	17.16	17.36	17.13			
10	QPSK	1	49	16.98	17.06	17.10			
10	QPSK	25	0	16.86	17.30	17.22	18.5	0	
10	QPSK	25	12	17.00	17.07	17.03			
10	QPSK	25	25	16.94	17.06	17.08			
10	QPSK	50	0	17.15	17.16	17.04	18.5	0	
10	16QAM	1	0	17.07	17.01	16.95			
10	16QAM	1	25	17.00	17.02	16.94			
10	16QAM	1	49	16.95	17.20	16.80	18.5	0	
10	16QAM	25	0	16.92	17.18	17.16			
10	16QAM	25	12	17.04	17.25	17.05			
10	16QAM	25	25	17.06	17.05	17.01	18.5	0	
10	16QAM	50	0	16.96	17.08	16.90			
10	64QAM	1	0	17.08	16.97	16.89			
10	64QAM	1	25	17.01	17.02	17.14	18.5	0	
10	64QAM	1	49	17.13	17.24	17.05			
10	64QAM	25	0	16.92	17.17	17.00			
10	64QAM	25	12	16.98	16.98	17.00	18.5	0	
10	64QAM	25	25	17.03	16.85	17.00			
10	64QAM	50	0	17.09	17.12	17.09			
10	256QAM	1	0	17.20	17.28	17.21	18.5	0	
10	256QAM	1	25	17.24	17.26	17.06			
10	256QAM	1	49	17.01	16.97	17.09			
10	256QAM	25	0	16.92	17.17	17.10	18.5	0	
10	256QAM	25	12	17.11	16.95	16.93			
10	256QAM	25	25	16.78	17.09	17.04			
10	256QAM	50	0	17.08	17.10	16.92			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.32	17.25	17.16	18.5	0	
5	QPSK	1	12	17.22	17.21	17.05			
5	QPSK	1	24	17.12	17.03	17.26			
5	QPSK	12	0	16.87	17.28	17.17	18.5	0	
5	QPSK	12	7	17.15	17.07	16.93			
5	QPSK	12	13	16.81	17.08	17.08			
5	QPSK	25	0	17.13	17.28	16.96	18.5	0	
5	16QAM	1	0	17.12	17.17	17.04			
5	16QAM	1	12	16.97	16.91	16.94			
5	16QAM	1	24	16.97	17.19	16.97	18.5	0	
5	16QAM	12	0	17.08	17.19	17.17			
5	16QAM	12	7	17.01	17.04	16.92			
5	16QAM	12	13	16.91	17.13	17.02	18.5	0	
5	16QAM	25	0	16.92	17.03	17.05			
5	64QAM	1	0	17.10	17.01	16.98			
5	64QAM	1	12	16.90	17.04	17.09	18.5	0	
5	64QAM	1	24	17.16	17.14	17.18			
5	64QAM	12	0	16.79	17.14	16.85			
5	64QAM	12	7	17.11	16.96	16.85	18.5	0	
5	64QAM	12	13	16.82	17.01	17.01			
5	64QAM	25	0	17.19	16.96	17.19			
5	256QAM	1	0	17.22	17.24	17.21	18.5	0	
5	256QAM	1	12	17.24	17.29	17.04			
5	256QAM	1	24	17.05	16.99	17.17			
5	256QAM	12	0	16.88	17.17	17.11	18.5	0	
5	256QAM	12	7	17.06	16.91	17.03			
5	256QAM	12	13	16.77	17.04	17.05			
5	256QAM	25	0	17.00	17.05	16.95			



Band 38 body&hotspot&extremity Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.06	19.27	19.21	20	0	
20	QPSK	1	49	19.02	18.92	18.80			
20	QPSK	1	99	18.78	18.92	18.85			
20	QPSK	50	0	19.11	19.05	18.91			
20	QPSK	50	24	18.91	18.79	18.98			
20	QPSK	50	50	18.84	18.97	18.79			
20	QPSK	100	0	19.00	19.04	19.10			
20	16QAM	1	0	18.86	18.82	18.81			
20	16QAM	1	49	19.03	18.75	18.90			
20	16QAM	1	99	19.03	18.78	18.81			
20	16QAM	50	0	19.03	19.02	19.18			
20	16QAM	50	24	18.70	18.86	18.86			
20	16QAM	50	50	18.92	18.91	18.88			
20	16QAM	100	0	18.84	18.96	18.95			
20	64QAM	1	0	18.86	18.94	18.98			
20	64QAM	1	49	18.69	18.83	18.81			
20	64QAM	1	99	18.73	18.75	18.83			
20	64QAM	50	0	18.93	19.08	18.90			
20	64QAM	50	24	18.79	18.86	18.86			
20	64QAM	50	50	18.87	19.00	18.94			
20	64QAM	100	0	18.74	18.85	18.86			
20	256QAM	1	0	17.91	17.95	17.94			
20	256QAM	1	49	17.75	17.85	17.82			
20	256QAM	1	99	17.80	17.79	17.81			
20	256QAM	50	0	17.90	18.07	17.95			
20	256QAM	50	24	17.75	17.81	17.92			
20	256QAM	50	50	17.84	18.00	17.91			
20	256QAM	100	0	17.75	17.89	17.84			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.08	19.15	19.14	20	0	
15	QPSK	1	37	18.96	18.93	18.72			
15	QPSK	1	74	18.77	18.96	18.91			
15	QPSK	36	0	19.15	18.99	18.82			
15	QPSK	36	20	18.89	18.76	19.05			
15	QPSK	36	39	18.77	18.90	18.74			
15	QPSK	75	0	19.02	19.02	19.10			
15	16QAM	1	0	18.92	18.82	18.78			
15	16QAM	1	37	19.06	18.71	18.91			
15	16QAM	1	74	18.97	18.77	18.89			
15	16QAM	36	0	19.02	19.08	19.22			
15	16QAM	36	20	18.97	18.81	18.87			
15	16QAM	36	39	18.90	18.83	19.11			
15	16QAM	75	0	18.78	18.90	18.85			
15	64QAM	1	0	18.80	18.93	19.03			
15	64QAM	1	37	18.74	18.84	18.79			
15	64QAM	1	74	18.79	18.81	18.84			
15	64QAM	36	0	18.87	19.04	18.85			
15	64QAM	36	20	18.87	18.90	18.77			
15	64QAM	36	39	18.90	18.97	18.95			
15	64QAM	75	0	18.74	18.77	18.78			
15	256QAM	1	0	17.82	17.91	17.95			
15	256QAM	1	37	17.73	17.86	17.78			
15	256QAM	1	74	17.68	17.78	17.89			
15	256QAM	36	0	17.89	18.06	17.88			
15	256QAM	36	20	17.86	17.90	17.91			
15	256QAM	36	39	17.86	17.96	17.98			
15	256QAM	75	0	17.81	17.90	17.89			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.99	19.17	19.18	20	0	
10	QPSK	1	25	19.02	18.83	18.78			
10	QPSK	1	49	18.79	18.83	18.81			
10	QPSK	25	0	19.07	19.13	18.90			
10	QPSK	25	12	18.86	18.83	18.95			
10	QPSK	25	25	18.86	18.89	18.87			
10	QPSK	50	0	19.07	19.00	19.12			
10	16QAM	1	0	18.77	18.75	18.81			
10	16QAM	1	25	19.08	18.72	18.95			
10	16QAM	1	49	19.03	18.78	18.77			
10	16QAM	25	0	18.88	19.10	19.24			
10	16QAM	25	12	19.11	18.91	18.81			
10	16QAM	25	25	18.85	18.94	19.01			
10	16QAM	50	0	18.79	19.02	19.02			
10	64QAM	1	0	18.82	18.96	18.93			
10	64QAM	1	25	18.66	18.75	18.85			
10	64QAM	1	49	18.74	18.71	18.79			
10	64QAM	25	0	18.91	19.05	18.96			
10	64QAM	25	12	18.84	18.92	18.91			
10	64QAM	25	25	18.87	18.91	19.02			
10	64QAM	50	0	18.76	18.82	18.92			
10	256QAM	1	0	17.91	18.00	18.02			
10	256QAM	1	25	17.65	17.84	17.80			
10	256QAM	1	49	17.70	17.73	17.86			
10	256QAM	25	0	17.92	18.06	17.97			
10	256QAM	25	12	17.82	17.90	17.84			
10	256QAM	25	25	17.83	18.00	17.95			
10	256QAM	50	0	17.80	17.91	17.83			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.97	19.15	19.21	20	0	
5	QPSK	1	12	19.03	18.92	18.83			
5	QPSK	1	24	19.08	18.89	18.80			
5	QPSK	12	0	19.09	18.96	18.83			
5	QPSK	12	7	18.82	18.70	18.99			
5	QPSK	12	13	18.92	18.95	18.84			
5	QPSK	25	0	18.95	19.08	19.15			
5	16QAM	1	0	18.76	18.79	18.77			
5	16QAM	1	12	19.10	18.71	18.97			
5	16QAM	1	24	18.96	18.69	18.78			
5	16QAM	12	0	19.03	19.01	18.97			
5	16QAM	12	7	18.60	18.89	18.80			
5	16QAM	12	13	18.96	18.88	18.67			
5	16QAM	25	0	18.85	18.87	18.92			
5	64QAM	1	0	18.80	18.95	18.90			
5	64QAM	1	12	18.65	18.81	18.88			
5	64QAM	1	24	18.78	18.69	18.87			
5	64QAM	12	0	18.98	18.99	18.83			
5	64QAM	12	7	18.82	18.89	18.81			
5	64QAM	12	13	18.91	18.98	18.87			
5	64QAM	25	0	18.65	18.89	18.91			
5	256QAM	1	0	17.86	17.99	18.02			
5	256QAM	1	12	17.68	17.90	17.86			
5	256QAM	1	24	17.69	17.70	17.86			
5	256QAM	12	0	17.89	18.07	17.91			
5	256QAM	12	7	17.76	17.85	17.88			
5	256QAM	12	13	17.87	18.04	17.96			
5	256QAM	25	0	17.72	17.91	17.92			

Band 38 PC2 body&hotspot&extremity Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.57	18.69	18.50	20	0	
20	QPSK	1	49	18.49	18.67	18.30			
20	QPSK	1	99	18.56	18.65	18.36			
20	QPSK	50	0	18.52	18.66	18.47			
20	QPSK	50	24	18.44	18.39	18.54			
20	QPSK	50	50	18.56	18.61	18.48			
20	QPSK	100	0	18.32	18.40	18.35			
20	16QAM	1	0	18.55	18.54	18.36			
20	16QAM	1	49	18.32	18.50	18.19			
20	16QAM	1	99	18.31	18.43	18.27			
20	16QAM	50	0	18.66	18.62	18.51			
20	16QAM	50	24	18.43	18.29	18.36			
20	16QAM	50	50	18.54	18.55	18.21			
20	16QAM	100	0	18.66	18.56	18.35			
20	64QAM	1	0	18.46	18.53	18.53			
20	64QAM	1	49	18.27	18.38	18.49			
20	64QAM	1	99	18.18</					



Band 41 body&hotspot&extremity Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	49	19.23	19.26	19.29	19.21	19.24	20	0
20	QPSK	1	99	19.02	18.96	18.94	18.86	18.95		
20	QPSK	50	0	18.99	19.11	19.19	19.11	19.10	20	0
20	QPSK	50	24	19.05	19.03	18.94	18.97	18.95		
20	QPSK	50	50	19.04	19.05	19.13	18.99	19.03	20	0
20	QPSK	100	0	19.13	19.08	19.14	19.11	19.02		
20	16QAM	1	0	19.18	18.91	19.03	19.02	18.99	20	0
20	16QAM	1	49	19.05	19.03	18.92	19.03	18.85		
20	16QAM	1	99	19.06	19.02	18.94	18.92	19.04	20	0
20	16QAM	50	0	19.15	19.04	19.09	19.23	19.19		
20	16QAM	50	24	19.06	18.84	19.03	18.99	18.95	20	0
20	16QAM	50	50	19.14	18.91	18.99	18.85	18.87		
20	16QAM	100	0	19.07	18.95	19.11	19.04	18.92	20	0
20	84QAM	1	0	19.16	19.05	19.11	19.06	19.03		
20	84QAM	1	49	19.12	18.88	18.91	19.03	18.82	20	0
20	84QAM	1	99	19.00	18.87	18.97	18.89	18.94		
20	84QAM	50	0	19.11	19.05	19.08	19.07	19.07	20	0
20	84QAM	50	24	19.05	18.83	19.07	18.95	18.98		
20	84QAM	50	50	19.16	18.94	19.10	18.93	19.02	20	0
20	84QAM	100	0	19.13	18.94	18.96	18.94	19.03		
20	256QAM	1	0	18.59	18.56	18.61	18.55	18.55	19	1
20	256QAM	1	49	18.26	18.31	18.31	18.26	18.34		
20	256QAM	1	99	18.38	18.26	18.28	18.12	18.23	20	0
20	256QAM	50	0	18.28	18.42	18.52	18.41	18.38		
20	256QAM	50	24	18.35	18.38	18.27	18.32	18.30	20	0
20	256QAM	50	50	18.41	18.38	18.48	18.33	18.34		
20	256QAM	100	0	18.47	18.33	18.46	18.38	18.30	19	1
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515		
15	QPSK	1	0	19.09	19.07	19.19	18.99	19.05	20	0
15	QPSK	1	37	18.94	18.87	18.85	18.98	18.99		
15	QPSK	1	74	18.89	18.96	18.93	18.74	18.78	20	0
15	QPSK	36	0	18.81	18.95	18.98	18.98	18.89		
15	QPSK	36	20	18.84	18.84	18.79	18.78	18.92	20	0
15	QPSK	36	39	18.88	18.84	19.13	18.80	18.95		
15	QPSK	75	0	18.81	18.98	19.01	19.06	19.01	20	0
15	16QAM	1	0	19.03	18.80	19.02	18.87	18.84		
15	16QAM	1	37	18.91	18.86	18.71	18.94	18.77	20	0
15	16QAM	1	74	19.07	19.01	18.78	18.88	19.04		
15	16QAM	36	0	19.05	19.03	19.05	19.02	19.00	20	0
15	16QAM	36	20	18.97	18.85	18.95	18.85	18.94		
15	16QAM	36	39	19.04	18.92	18.92	18.85	18.81	20	0
15	16QAM	75	0	18.98	18.77	19.00	18.82	18.75		
15	64QAM	1	0	19.08	19.04	19.07	18.97	18.81	20	0
15	64QAM	1	37	18.93	18.89	18.70	18.93	18.71		
15	64QAM	1	74	18.94	18.84	18.89	18.90	18.74	20	0
15	64QAM	36	0	18.99	18.92	19.09	18.97	19.00		
15	64QAM	36	20	19.05	18.66	18.92	18.96	18.88	20	0
15	64QAM	36	39	18.95	18.85	18.92	18.78	18.97		
15	64QAM	75	0	19.00	18.87	18.91	18.92	18.97	20	0
15	256QAM	1	0	18.53	18.59	18.57	18.55	18.59	19	1
15	256QAM	1	37	18.21	18.37	18.33	18.34	18.42		
15	256QAM	1	74	18.38	18.28	18.25	18.16	18.31	20	0
15	256QAM	36	0	18.32	18.47	18.51	18.40	18.45		
15	256QAM	36	20	18.36	18.29	18.20	18.24	18.27	20	0
15	256QAM	36	39	18.36	18.33	18.49	18.33	18.38		
15	256QAM	75	0	18.47	18.39	18.45	18.38	18.34	19	1
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
10	QPSK	1	0	19.10	19.10	19.13	19.07	19.06	20	0
10	QPSK	1	25	18.75	19.07	18.90	18.87	19.05		
10	QPSK	1	49	18.95	18.85	18.92	18.73	18.81	20	0
10	QPSK	25	0	18.81	18.93	19.19	19.12	18.88		
10	QPSK	25	12	18.96	18.88	18.76	18.95	18.75	20	0
10	QPSK	25	25	18.99	19.03	19.13	18.83	18.90		
10	QPSK	50	0	18.96	19.06	19.11	19.05	18.93	20	0
10	16QAM	1	0	19.00	18.85	19.04	19.01	18.90		
10	16QAM	1	25	18.84	18.94	18.86	18.97	18.77	20	0
10	16QAM	1	49	18.94	18.87	18.94	18.88	18.82		
10	16QAM	25	0	18.94	18.97	19.02	19.15	19.03	20	0
10	16QAM	25	12	18.97	18.96	19.04	18.88	18.79		
10	16QAM	25	25	19.03	18.89	18.91	18.69	18.67	20	0
10	16QAM	50	0	19.01	18.77	18.96	18.96	18.88		
10	84QAM	1	0	18.98	18.90	18.91	18.99	18.98	20	0
10	84QAM	1	25	19.04	18.70	18.79	18.86	18.83		
10	84QAM	1	49	18.98	18.86	18.98	18.88	18.84	20	0
10	84QAM	25	0	18.99	18.87	18.87	18.87	18.95		
10	84QAM	25	12	18.84	18.75	19.04	18.97	18.99	20	0
10	84QAM	25	25	19.17	18.86	19.01	18.75	18.89		
10	84QAM	50	0	19.09	18.95	18.75	18.88	18.98	20	0
10	256QAM	1	0	18.58	18.57	18.57	18.50	18.57	19	1
10	256QAM	1	25	18.31	18.42	18.32	18.34	18.40		
10	256QAM	1	49	18.28	18.23	18.23	18.20	18.24	20	0
10	256QAM	25	0	18.33	18.42	18.55	18.41	18.45		
10	256QAM	25	12	18.39	18.37	18.21	18.29	18.28	20	0
10	256QAM	25	25	18.38	18.38	18.42	18.25	18.39		
10	256QAM	50	0	18.47	18.38	18.44	18.45	18.32	19	1
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	19.13	19.05	19.16	19.16	19.16	20	0
5	QPSK	1	12	18.96	18.85	18.97	18.93	18.98		
5	QPSK	1	24	19.01	18.85	18.89	18.73	18.97	20	0
5	QPSK	12	0	18.84	18.99	19.15	19.03	19.00		
5	QPSK	12	7	18.98	18.86	18.73	18.81	18.74	20	0
5	QPSK	12	13	18.88	18.95	18.98	18.78	18.98		
5	QPSK	25	0	19.10	18.95	19.11	18.96	18.95	20	0
5	16QAM	1	0	19.04	18.93	18.96	18.91	19.00		
5	16QAM	1	12	18.96	18.85	18.77	19.03	18.66	20	0
5	16QAM	1	24	19.04	19.02	18.80	18.92	19.01		
5	16QAM	12	0	19.08	19.06	19.03	19.10	19.19	20	0
5	16QAM	12	7	18.93	18.71	19.01	18.91	18.95		
5	16QAM	12	13	19.03	18.71	19.00	18.83	18.69	20	0
5	16QAM	25	0	18.87	18.86	19.05	19.03	18.71		
5	64QAM	1	0	18.96	18.84	19.01	18.91	18.95	20	0
5	64QAM	1	12	19.05	18.78	18.78	18.95	18.68		
5	64QAM	1	24	18.94	18.79	18.86	18.75	18.90	20	0
5	64QAM	12	0	19.03	18.94	18.94	19.08	19.09		
5	64QAM	12	7	18.93	18.72	18.94	18.76	18.81	20	0
5	64QAM	12	13	19.15	18.78	19.12	18.71	18.91		
5	64QAM	25	0	18.95	18.81	18.90	18.94	18.94	20	0
5	256QAM	1	0	18.51	18.57	18.64	18.47	18.51	19	1
5	256QAM	1	12	18.25	18.42	18.32	18.26	18.41		
5	256QAM	1	24	18.37	18.21	18.23	18.18	18.25	20	0
5	256QAM	12	0	18.30	18.40	18.51	18.42	18.36		



GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
TX Channel								
Frequency (MHz)								
GSM 1 Tx slot	30.89	30.97	31.10	32.00	21.89	21.97	22.10	23.00
GPRS 1 Tx slots	30.88	30.96	31.07	32.00	21.88	21.96	22.07	23.00
GPRS 2 Tx slots	29.57	29.54	29.49	31.00	23.57	23.54	23.49	25.00
GPRS 3 Tx slots	27.96	27.89	28.00	29.00	23.70	23.63	23.74	24.74
GPRS 4 Tx slots	26.17	26.27	26.23	27.50	23.17	23.27	23.23	24.50
EDGE 1 Tx slot	25.45	25.25	25.14	27.00	16.45	16.25	16.14	18.00
EDGE 2 Tx slots	25.18	25.01	24.81	26.50	19.18	19.01	18.81	20.50
EDGE 3 Tx slots	24.59	24.39	24.26	25.50	20.33	20.13	20.00	21.24
EDGE 4 Tx slots	22.54	22.37	22.29	24.00	19.54	19.37	19.29	21.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
TX Channel								
Frequency (MHz)								
GSM 1 Tx slot	22.89	22.82	22.80	24.50	13.89	13.82	13.90	15.50
GPRS 1 Tx slots	22.87	22.86	22.85	24.50	13.87	13.86	14.05	15.50
GPRS 2 Tx slots	22.23	22.32	22.33	23.50	16.23	16.32	16.33	17.50
GPRS 3 Tx slots	20.57	20.49	20.57	21.50	16.31	16.23	16.31	17.24
GPRS 4 Tx slots	18.73	18.67	18.63	20.00	15.73	15.67	15.63	17.00
EDGE 1 Tx slot	18.69	18.73	18.76	19.50	9.69	9.73	9.76	10.50
EDGE 2 Tx slots	18.31	18.38	18.29	19.50	12.31	12.38	12.29	13.50
EDGE 3 Tx slots	16.79	16.81	16.70	18.00	12.53	12.55	12.44	13.74
EDGE 4 Tx slots	15.18	15.10	15.00	16.00	12.18	12.10	12.00	13.00

Band	body Ant1			Tune-up Limit (dBm)	body Ant1			body&hotspot&extremity Ant1			Tune-up Limit (dBm)		
	WCDMA II				WCDMA IV			WCDMA V					
	TX Channel	9262	9400		9538	1312	1413	1513	4132	4182		4233	
Rx Channel	9662	9800	9938	1537	1638	1738	4387	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	4384	4334	4365				
3GPP Rel 99	AMR 12.2Kbps	15.65	15.78	15.70	16.50	16.53	16.58	18.51	19.50	22.04	22.15	22.01	23.00
3GPP Rel 99	RMC 12.2Kbps	15.66	15.79	15.72	16.50	16.59	16.60	18.52	19.50	22.09	22.18	22.03	23.00
3GPP Rel 6	HSDPA Subtest-1	14.63	14.78	14.54	15.50	17.38	17.44	17.17	18.50	21.07	21.09	20.91	22.00
3GPP Rel 6	HSDPA Subtest-2	14.51	14.74	14.73	15.50	16.94	17.23	17.27	18.50	20.81	20.96	21.01	22.00
3GPP Rel 6	HSDPA Subtest-3	13.77	13.74	14.00	15.00	16.43	16.24	16.81	18.00	20.20	20.19	20.49	21.50
3GPP Rel 6	HSDPA Subtest-4	14.19	14.16	14.03	15.00	16.84	16.80	16.70	18.00	20.51	20.66	20.52	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.82	14.83	14.68	15.50	17.34	17.21	17.40	18.50	21.18	21.08	21.03	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.61	14.78	14.55	15.50	17.22	17.32	17.10	18.50	21.03	20.97	20.96	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.90	13.80	14.14	15.00	16.47	16.31	16.73	18.00	20.12	20.10	20.50	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.05	14.50	14.00	15.00	16.60	16.91	16.82	18.00	20.59	20.92	20.53	21.50
3GPP Rel 6	HSUPA Subtest-1	14.70	14.86	14.60	15.50	17.36	17.44	17.11	18.50	21.24	21.23	21.18	22.00
3GPP Rel 6	HSUPA Subtest-2	13.09	12.74	12.84	13.50	15.78	15.30	15.45	16.50	19.53	19.06	19.25	20.00
3GPP Rel 6	HSUPA Subtest-3	13.71	13.69	13.65	14.50	16.40	16.19	16.04	17.50	20.17	19.97	19.96	21.00
3GPP Rel 6	HSUPA Subtest-4	12.79	12.70	12.82	13.50	15.42	15.18	15.35	16.50	19.15	19.10	18.99	20.00
3GPP Rel 6	HSUPA Subtest-5	14.82	14.59	14.53	15.50	17.65	17.51	17.72	18.50	21.16	21.14	21.10	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.16	12.45	12.04	13.00	15.84	16.00	15.71	16.00	18.65	18.69	18.36	19.50

Band	hotspot Ant1			Tune-up Limit (dBm)	hotspot Ant1			Tune-up Limit (dBm)	WCDMA II	WCDMA IV	
	WCDMA II				WCDMA IV				Ch Delta > 0.5		
	TX Channel	9262	9400		9538	1312	1413				1513
Rx Channel	9662	9800	9938	1537	1638	1738					
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6					
3GPP Rel 99	AMR 12.2Kbps	15.05	15.23	15.10	15.50	16.64	16.78	16.71	17.50	0.22	0.15
3GPP Rel 99	RMC 12.2Kbps	15.06	15.27	15.11	15.50	16.66	16.79	16.73	17.50		
3GPP Rel 6	HSDPA Subtest-1	14.05	14.18	13.88	14.50	15.48	15.41	15.11	16.50	0.30	0.37
3GPP Rel 6	HSDPA Subtest-2	13.80	14.23	14.03	14.50	14.88	15.25	15.30	16.50	0.43	0.42
3GPP Rel 6	HSDPA Subtest-3	13.13	13.21	13.30	14.00	14.51	14.16	14.51	16.00	0.17	0.35
3GPP Rel 6	HSDPA Subtest-4	13.53	13.48	13.50	14.00	14.87	14.73	14.73	16.00	0.05	0.14
3GPP Rel 8	DC-HSDPA Subtest-1	14.26	14.34	14.12	14.50	15.25	15.10	15.35	16.50	0.22	0.25
3GPP Rel 8	DC-HSDPA Subtest-2	13.94	14.28	13.96	14.50	15.29	15.25	15.01	16.50	0.34	0.28
3GPP Rel 8	DC-HSDPA Subtest-3	13.28	13.26	13.46	14.00	14.46	14.31	14.81	16.00	0.20	0.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.39	13.51	13.52	14.00	14.52	14.80	14.72	16.00	0.13	0.28
3GPP Rel 6	HSUPA Subtest-1	14.20	14.25	14.08	14.50	15.25	15.50	15.21	16.50	0.17	0.29
3GPP Rel 6	HSUPA Subtest-2	11.97	12.05	12.16	12.50	13.70	13.27	13.54	14.50	0.19	0.43
3GPP Rel 6	HSUPA Subtest-3	13.18	13.04	13.08	13.50	14.44	14.28	14.15	15.50	0.14	0.29
3GPP Rel 6	HSUPA Subtest-4	12.19	12.08	12.25	12.50	13.43	13.23	13.31	14.50	0.17	0.20
3GPP Rel 6	HSUPA Subtest-5	13.99	14.05	13.98	14.50	15.62	15.48	15.81	16.50	0.09	0.14
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.46	11.74	11.35	12.00	13.80	13.81	13.76	14.00	0.38	0.05

Band	extremity Ant1			Tune-up Limit (dBm)	extremity Ant1			Tune-up Limit (dBm)	WCDMA II	WCDMA IV	
	WCDMA II				WCDMA IV				Ch Delta > 0.5		
	TX Channel	9262	9400		9538	1312	1413				1513
Rx Channel	9662	9800	9938	1537	1638	1738					
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6					
3GPP Rel 99	AMR 12.2Kbps	21.55	21.71	21.65	22.00	21.50	21.51	21.34	22.50	0.19	0.20
3GPP Rel 99	RMC 12.2Kbps	21.56	21.74	21.67	22.00	21.52	21.54	21.36	22.50		
3GPP Rel 6	HSDPA Subtest-1	20.48	20.57	20.48	21.00	20.36	20.36	20.01	21.50	0.09	0.35
3GPP Rel 6	HSDPA Subtest-2	20.37	20.77	20.47	21.00	19.92	20.11	20.28	21.50	0.40	0.36
3GPP Rel 6	HSDPA Subtest-3	19.62	19.70	19.82	20.50	19.26	19.23	19.40	21.00	0.20	0.17
3GPP Rel 6	HSDPA Subtest-4	20.01	20.07	20.00	20.50	19.80	19.63	19.49	21.00	0.07	0.31
3GPP Rel 8	DC-HSDPA Subtest-1	20.74	20.92	20.73	21.00	20.33	20.21	20.37	21.50	0.19	0.16
3GPP Rel 8	DC-HSDPA Subtest-2	20.55	20.83	20.47	21.00	20.08	20.22	20.00	21.50	0.36	0.22
3GPP Rel 8	DC-HSDPA Subtest-3	19.84	19.71	19.99	20.50	19.33	19.12	19.53	21.00	0.28	0.41
3GPP Rel 8	DC-HSDPA Subtest-4	19.81	20.10	19.96	20.50	19.47	19.80	19.46	21.00	0.29	0.34
3GPP Rel 6	HSUPA Subtest-1	20.60	20.67	20.62	21.00	20.23	20.31	20.06	21.50	0.07	0.25
3GPP Rel 6	HSUPA Subtest-2	18.43	18.60	18.76	19.00	18.76	18.30	18.38	19.50	0.33	0.46
3GPP Rel 6	HSUPA Subtest-3	19.56	19.63	19.59	20.00	19.29	18.97	18.84	20.50	0.07	0.45
3GPP Rel 6	HSUPA Subtest-4	18.69	18.56	18.65	19.00	18.43	18.16	18.17	19.50	0.13	0.27
3GPP Rel 6	HSUPA Subtest-5	20.39	20.66	20.48	21.00	20.63	20.43	20.57	21.50	0.27	0.20
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.88	18.28	17.96	18.50	18.70	18.79	18.82	19.00	0.40	0.17



Band 2 body&hotspot Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-up (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.68	15.92	15.85				
20	QPSK	1	49	15.69	15.75	15.72	17	0		
20	QPSK	1	99	15.65	15.83	15.74				
20	QPSK	50	0	15.67	15.89	15.85				
20	QPSK	24	14	15.68	15.83	15.81	17	0		
20	QPSK	50	50	15.63	15.84	15.88				
20	QPSK	100	0	15.77	15.84	15.88				
20	HQAM	1	0	15.58	15.71	15.61				
20	HQAM	1	49	15.59	15.68	15.67	17	0		
20	HQAM	1	99	15.63	15.85	15.80				
20	HQAM	50	0	15.50	15.59	15.67				
20	HQAM	50	24	15.59	15.54	15.40	17	0		
20	HQAM	50	50	15.51	15.48	15.41				
20	HQAM	100	0	15.37	15.50	15.47				
20	HQAM	1	0	15.16	15.31	15.40				
20	HQAM	1	49	15.44	15.83	15.41	17	0		
20	HQAM	1	99	15.30	15.48	15.40				
20	HQAM	50	0	15.41	15.41	15.25				
20	HQAM	50	24	15.50	15.51	15.46	17	0		
20	HQAM	50	50	15.20	15.46	15.30				
20	HQAM	100	0	15.64	15.49	15.38				
20	SSBQAM	1	0	15.45	15.72	15.65				
20	SSBQAM	1	49	15.51	15.53	15.50	17	0		
20	SSBQAM	1	99	15.60	15.59	15.52				
20	SSBQAM	50	0	15.53	15.65	15.60				
20	SSBQAM	50	24	15.28	15.64	15.44	17	0		
20	SSBQAM	50	50	15.41	15.68	15.48				
20	SSBQAM	100	0	15.83	15.65	15.48				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.61	15.83	15.71				
15	QPSK	1	37	15.69	15.83	15.71	17	0		
15	QPSK	1	74	15.62	15.87	15.81				
15	QPSK	5	0	15.62	15.78	15.74				
15	QPSK	36	20	15.29	15.65	15.50	17	0		
15	QPSK	36	39	15.50	15.70	15.62				
15	QPSK	75	0	15.86	15.87	15.85				
15	HQAM	1	0	15.36	15.81	15.58				
15	HQAM	1	37	15.66	15.54	15.66	17	0		
15	HQAM	1	74	15.68	15.51	15.45				
15	HQAM	36	0	15.49	15.47	15.41				
15	HQAM	36	20	15.59	15.51	15.30	17	0		
15	HQAM	39	39	15.12	15.38	15.34				
15	HQAM	75	0	15.10	15.23	15.34				
15	HQAM	1	0	15.09	15.32	15.29				
15	HQAM	1	37	15.33	15.58	15.42	17	0		
15	HQAM	1	74	15.23	15.38	15.39				
15	HQAM	36	0	15.34	15.33	15.24				
15	HQAM	36	20	15.43	15.34	15.31	17	0		
15	HQAM	36	39	15.20	15.33	15.20				
15	HQAM	75	0	15.34	15.36	15.18				
15	SSBQAM	1	0	15.81	15.73	15.72				
15	SSBQAM	1	37	15.54	15.39	15.48	17	0		
15	SSBQAM	1	74	15.39	15.60	15.51				
15	SSBQAM	36	0	15.83	15.69	15.68				
15	SSBQAM	36	20	15.29	15.64	15.47	17	0		
15	SSBQAM	36	39	15.39	15.65	15.49				
15	SSBQAM	75	0	15.35	15.66	15.47				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.68	15.77	15.70				
10	QPSK	1	25	15.65	15.70	15.72	17	0		
10	QPSK	1	49	15.42	15.65	15.60				
10	QPSK	25	0	15.68	15.90	15.86				
10	QPSK	25	12	15.67	15.81	15.85	17	0		
10	QPSK	25	25	15.51	15.65	15.67				
10	QPSK	50	0	15.77	15.80	15.48				
10	HQAM	1	0	15.48	15.53	15.52				
10	HQAM	1	25	15.59	15.51	15.50	17	0		
10	HQAM	1	49	15.61	15.67	15.53				
10	HQAM	25	0	15.37	15.51	15.20				
10	HQAM	25	12	15.56	15.44	15.38	17	0		
10	HQAM	25	25	15.31	15.27	15.32				
10	HQAM	50	0	15.63	15.29	15.36				
10	HQAM	1	0	15.11	15.25	15.34				
10	HQAM	1	25	15.24	15.53	15.32	17	0		
10	HQAM	1	49	15.23	15.41	15.36				
10	HQAM	25	0	15.25	15.31	15.16				
10	HQAM	25	12	15.30	15.44	15.20	17	0		
10	HQAM	25	25	15.25	15.40	15.13				
10	HQAM	50	0	15.37	15.45	15.13				
10	SSBQAM	1	0	15.47	15.76	15.70				
10	SSBQAM	1	25	15.46	15.54	15.52	17	0		
10	SSBQAM	1	49	15.34	15.62	15.56				
10	SSBQAM	25	0	15.51	15.73	15.62				
10	SSBQAM	25	12	15.28	15.61	15.43	17	0		
10	SSBQAM	25	25	15.43	15.63	15.52				
10	SSBQAM	50	0	15.67	15.70	15.48				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.50	15.81	15.64				
5	QPSK	1	12	15.70	15.60	15.51	17	0		
5	QPSK	1	24	15.40	15.62	15.64				
5	QPSK	12	0	15.62	15.79	15.80				
5	QPSK	12	7	15.31	15.81	15.40	17	0		
5	QPSK	12	13	15.43	15.79	15.63				
5	QPSK	25	0	15.69	15.77	15.61				
5	HQAM	1	0	15.59	15.58	15.60				
5	HQAM	1	12	15.62	15.58	15.56	17	0		
5	HQAM	1	24	15.49	15.45	15.46				
5	HQAM	12	0	15.39	15.43	15.30				
5	HQAM	12	7	15.68	15.48	15.37	17	0		
5	HQAM	12	13	15.12	15.27	15.34				
5	HQAM	25	0	15.09	15.15	15.28				
5	HQAM	1	0	15.11	15.15	15.19				
5	HQAM	1	12	15.25	15.51	15.35	17	0		
5	HQAM	1	24	15.27	15.29	15.31				
5	HQAM	12	0	15.27	15.37	15.14				
5	HQAM	12	7	15.47	15.40	15.43				
5	HQAM	12	13	15.20	15.45	15.33	17	0		
5	HQAM	25	0	15.45	15.48	15.12				
5	SSBQAM	1	0	15.48	15.79	15.68				
5	SSBQAM	1	12	15.50	15.54	15.49	17	0		
5	SSBQAM	1	24	15.38	15.60	15.61				
5	SSBQAM	12	0	15.42	15.55	15.58				
5	SSBQAM	12	7	15.52	15.65	15.48	17	0		
5	SSBQAM	12	13	15.39	15.69	15.50				
5	SSBQAM	25	0	15.62	15.61	15.46				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.46	15.72	15.69				
3	QPSK	1	8	15.52	15.55	15.52	17	0		
3	QPSK	1	14	15.35	15.65	15.62				
3	QPSK	8	0	15.46	15.84	15.81				
3	QPSK	8	4	15.45	15.75	15.48	17	0		
3	QPSK	8	7	15.49	15.79	15.62				
3	QPSK	15	0	15.62	15.65	15.61				
3	HQAM	1	0	15.38	15.64	15.61				
3	HQAM	1	8	15.47	15.48	15.62	17	0		
3	HQAM	1	14	15.63	15.51	15.51				
3	HQAM	8	0	15.37	15.45	15.42				
3	HQAM	8	4	15.40	15.55	15.28	17	0		
3	HQAM	8	7	15.17	15.28	15.32				
3	HQAM	15	0	15.34	15.16	15.35				
3	HQAM	1	0	15.15	15.20	15.38				
3	HQAM	1	8	15.38	15.56	15.40	17	0		
3	HQAM	1	14	15.25	15.40	15.28				
3	H									



Band 4 body Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.58	18.62	18.62	20	0		
20	QPSK	1	49	18.46	18.60	18.48	20	0		
20	QPSK	50	0	18.39	18.59	18.45	20	0		
20	QPSK	24	0	18.35	18.43	18.33	20	0		
20	QPSK	50	50	18.35	18.43	18.33	20	0		
20	QPSK	100	0	18.54	18.56	18.40	20	0		
20	QPSK	100	50	18.54	18.56	18.40	20	0		
20	HQAM	1	49	18.54	18.41	18.40	20	0		
20	HQAM	1	99	18.36	18.47	18.40	20	0		
20	HQAM	50	0	18.27	18.48	18.29	20	0		
20	HQAM	50	24	18.27	18.48	18.29	20	0		
20	HQAM	50	50	18.42	18.49	18.31	20	0		
20	HQAM	100	0	18.21	18.50	18.15	20	0		
20	HQAM	100	0	18.40	18.30	18.12	20	0		
20	HQAM	100	49	18.41	18.55	18.37	20	0		
20	HQAM	50	99	18.42	18.54	18.27	20	0		
20	HQAM	50	24	18.38	18.45	18.41	20	0		
20	HQAM	50	50	18.20	18.28	18.27	20	0		
20	HQAM	100	0	18.20	18.45	18.36	20	0		
20	256QAM	1	0	17.67	17.61	17.51	19	1		
20	256QAM	1	49	17.43	17.48	17.41	19	1		
20	256QAM	50	0	17.62	17.63	17.53	19	1		
20	256QAM	50	0	17.38	17.61	17.40	19	1		
20	256QAM	50	24	17.41	17.56	17.27	19	1		
20	256QAM	50	50	17.39	17.52	17.20	19	1		
20	256QAM	100	0	17.80	17.63	17.37	19	1		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.51	18.55	18.39	20	0		
15	QPSK	1	37	18.29	18.30	18.20	20	0		
15	QPSK	1	74	18.47	18.36	18.26	20	0		
15	QPSK	1	111	18.31	18.44	18.29	20	0		
15	QPSK	36	20	18.26	18.36	18.30	20	0		
15	QPSK	36	39	18.32	18.22	18.14	20	0		
15	QPSK	36	58	18.42	18.36	18.28	20	0		
15	HQAM	1	0	18.33	18.22	18.03	20	0		
15	HQAM	1	37	18.51	18.36	18.21	20	0		
15	HQAM	1	74	18.19	18.34	18.41	20	0		
15	HQAM	36	0	18.01	18.39	18.30	20	0		
15	HQAM	36	20	18.07	18.33	18.20	20	0		
15	HQAM	36	39	18.07	18.38	18.29	20	0		
15	HQAM	36	58	18.09	18.45	18.12	20	0		
15	HQAM	1	0	18.28	18.25	18.06	20	0		
15	HQAM	1	37	18.28	18.24	18.04	20	0		
15	HQAM	1	74	18.27	18.41	18.21	20	0		
15	HQAM	36	0	18.12	18.16	18.27	20	0		
15	HQAM	36	20	18.28	18.22	18.04	20	0		
15	HQAM	36	39	18.19	18.22	18.20	20	0		
15	HQAM	36	58	18.10	18.25	18.16	20	0		
15	256QAM	1	0	17.64	17.64	17.57	19	1		
15	256QAM	1	37	17.44	17.41	17.41	19	1		
15	256QAM	1	74	17.50	17.67	17.45	19	1		
15	256QAM	36	20	17.33	17.56	17.37	19	1		
15	256QAM	36	39	17.34	17.45	17.38	19	1		
15	256QAM	36	58	17.46	17.52	17.40	19	1		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.36	18.51	18.40	20	0		
10	QPSK	1	24	18.36	18.51	18.40	20	0		
10	QPSK	1	49	18.33	18.54	18.34	20	0		
10	QPSK	25	0	18.19	18.50	18.30	20	0		
10	QPSK	25	24	18.23	18.47	18.28	20	0		
10	QPSK	25	25	18.35	18.24	18.28	20	0		
10	QPSK	50	0	18.51	18.52	18.25	20	0		
10	QPSK	50	24	18.34	18.48	18.28	20	0		
10	HQAM	1	25	18.34	18.27	18.34	20	0		
10	HQAM	1	49	18.25	18.32	18.31	20	0		
10	HQAM	1	74	18.10	18.28	18.29	20	0		
10	HQAM	25	0	18.24	18.43	18.26	20	0		
10	HQAM	25	24	18.27	18.33	18.20	20	0		
10	HQAM	50	0	18.46	18.38	18.40	20	0		
10	HQAM	50	0	18.23	18.28	18.08	20	0		
10	HQAM	1	25	18.22	18.37	18.38	20	0		
10	HQAM	1	49	18.26	18.40	18.01	20	0		
10	HQAM	1	74	18.05	18.35	18.13	20	0		
10	HQAM	25	12	18.27	18.37	18.32	20	0		
10	HQAM	25	25	18.16	18.13	18.10	20	0		
10	HQAM	50	0	18.19	18.38	18.32	20	0		
10	256QAM	1	0	17.83	17.63	17.49	19	1		
10	256QAM	1	25	17.44	17.51	17.45	19	1		
10	256QAM	1	49	17.68	17.65	17.44	19	1		
10	256QAM	25	0	17.38	17.59	17.50	19	1		
10	256QAM	25	12	17.33	17.54	17.34	19	1		
10	256QAM	25	25	17.41	17.45	17.34	19	1		
10	256QAM	50	0	17.51	17.58	17.48	19	1		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.39	18.48	18.31	20	0		
5	QPSK	1	12	18.35	18.35	18.38	20	0		
5	QPSK	1	24	18.36	18.44	18.29	20	0		
5	QPSK	12	0	18.34	18.36	18.37	20	0		
5	QPSK	12	7	18.36	18.45	18.10	20	0		
5	QPSK	12	13	18.28	18.33	18.17	20	0		
5	QPSK	25	0	18.33	18.53	18.33	20	0		
5	HQAM	1	0	18.28	18.37	18.13	20	0		
5	HQAM	1	12	18.41	18.31	18.31	20	0		
5	HQAM	1	24	18.27	18.42	18.40	20	0		
5	HQAM	12	0	18.12	18.36	18.39	20	0		
5	HQAM	12	7	18.12	18.44	18.11	20	0		
5	HQAM	12	13	18.27	18.20	18.21	20	0		
5	HQAM	25	0	18.04	18.45	18.08	20	0		
5	HQAM	1	0	18.34	18.28	18.08	20	0		
5	HQAM	1	12	18.26	18.35	18.21	20	0		
5	HQAM	1	24	18.25	18.39	18.01	20	0		
5	HQAM	12	0	18.05	18.30	18.26	20	0		
5	HQAM	12	7	18.05	18.40	18.01	20	0		
5	HQAM	12	13	18.01	18.07	18.10	20	0		
5	HQAM	25	0	18.03	18.25	18.25	20	0		
5	256QAM	1	0	17.63	17.60	17.44	19	1		
5	256QAM	1	12	17.37	17.43	17.44	19	1		
5	256QAM	1	24	17.49	17.56	17.43	19	1		
5	256QAM	12	0	17.42	17.46	17.37	19	1		
5	256QAM	12	7	17.37	17.59	17.37	19	1		
5	256QAM	12	13	17.37	17.47	17.32	19	1		
5	256QAM	25	0	17.55	17.57	17.48	19	1		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.51	18.42	18.48	20	0		
3	QPSK	1	14	18.40	18.41	18.47	20	0		
3	QPSK	8	0	18.28	18.50	18.31	20	0		
3	QPSK	8	7	18.34	18.37	18.38	20	0		
3	QPSK	8	7	18.22	18.44	18.18	20	0		
3	QPSK	15	0	18.54	18.40	18.31	20	0		
3	HQAM	1	8	18.33	18.29	18.22	20	0		
3	HQAM	1	8	18.53	18.33	18.25	20	0		
3	HQAM	1	14	18.19	18.41	18.31	20	0		
3	HQAM	8	4	18.14	18.36	18.31	20	0		
3	HQAM	8	7	18.30	18.49	18.26	20	0		
3	HQAM	15	0	18.04	18.47	18.14	20	0		
3	HQAM	1	0	18.26	18.13	18.09	20	0		
3	HQAM	1	8	18.42	18.45	18.33	20	0		
3	HQAM	1	14	18.27	18.32	18.03	20	0		



Band 7 Head Ant4 For ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	15.49	15.63	15.62	16.5	0		
20	QPSK	1	49	15.46	15.61	15.45				
20	QPSK	1	99	15.31	15.33	15.47				
20	QPSK	50	0	15.38	15.47	15.35	16.5	0		
20	QPSK	50	24	15.23	15.41	15.43				
20	QPSK	50	50	15.25	15.28	15.43				
20	QPSK	100	0	15.22	15.31	15.28	16.5	0		
20	16QAM	1	0	15.41	15.35	15.36				
20	16QAM	1	49	15.07	15.49	15.50				
20	16QAM	1	99	15.09	15.11	15.35	16.5	0		
20	16QAM	50	0	15.34	15.30	15.43				
20	16QAM	50	24	15.21	15.37	15.14				
20	16QAM	50	50	15.48	15.16	15.30	16.5	0		
20	16QAM	100	0	15.08	15.38	15.18				
20	64QAM	1	0	15.19	15.27	15.22				
20	64QAM	1	49	15.34	15.28	15.16	16.5	0		
20	64QAM	1	99	15.21	15.09	15.25				
20	64QAM	50	0	15.23	15.39	15.17				
20	64QAM	50	24	15.25	15.37	15.08	16.5	0		
20	64QAM	50	50	15.11	15.46	15.05				
20	64QAM	100	0	15.26	15.20	15.33				
20	256QAM	1	0	15.32	15.43	15.49	16.5	0		
20	256QAM	1	49	15.24	15.41	15.21				
20	256QAM	1	99	15.08	15.10	15.31				
20	256QAM	50	0	15.20	15.32	15.10	16.5	0		
20	256QAM	50	24	15.07	15.25	15.23				
20	256QAM	50	50	15.09	15.04	15.19				
20	256QAM	100	0	15.06	15.14	15.15				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	15.46	15.42	15.35	16.5	0		
15	QPSK	1	37	15.36	15.39	15.37				
15	QPSK	1	74	15.27	15.31	15.41				
15	QPSK	36	0	15.20	15.32	15.34	16.5	0		
15	QPSK	36	20	15.20	15.25	15.08				
15	QPSK	36	39	15.09	15.24	15.19				
15	QPSK	75	0	14.97	15.22	15.04	16.5	0		
15	16QAM	1	0	15.22	15.11	15.15				
15	16QAM	1	37	14.98	15.10	15.18				
15	16QAM	1	74	14.93	15.05	15.00	16.5	0		
15	16QAM	36	0	15.03	15.20	15.22				
15	16QAM	36	20	14.97	15.25	15.07				
15	16QAM	36	39	15.06	15.05	14.95	16.5	0		
15	16QAM	75	0	14.89	15.24	14.91				
15	64QAM	1	0	15.22	15.08	14.98				
15	64QAM	1	37	14.98	15.16	15.08	16.5	0		
15	64QAM	1	74	14.91	15.10	15.09				
15	64QAM	36	0	15.20	15.11	15.00				
15	64QAM	36	20	15.06	14.97	14.86	16.5	0		
15	64QAM	36	39	14.97	15.18	15.06				
15	64QAM	75	0	15.13	15.13	15.03				
15	256QAM	1	0	15.34	15.45	15.38	16.5	0		
15	256QAM	1	37	15.23	15.46	15.30				
15	256QAM	1	74	15.17	15.17	15.25				
15	256QAM	36	0	15.22	15.28	15.22	16.5	0		
15	256QAM	36	20	15.06	15.21	15.20				
15	256QAM	36	39	15.10	15.10	15.25				
15	256QAM	75	0	15.09	15.17	15.04				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	15.48	15.45	15.19	16.5	0		
10	QPSK	1	25	15.20	15.34	15.28				
10	QPSK	1	49	15.47	15.13	15.34				
10	QPSK	25	0	15.29	15.36	15.17	16.5	0		
10	QPSK	25	12	15.09	15.23	15.16				
10	QPSK	25	25	15.18	15.08	15.19				
10	QPSK	50	0	15.18	15.31	15.19	16.5	0		
10	16QAM	1	0	15.26	15.19	15.10				
10	16QAM	1	25	15.08	15.05	15.32				
10	16QAM	1	49	14.98	15.01	15.10	16.5	0		
10	16QAM	25	0	15.05	15.07	15.18				
10	16QAM	25	12	15.01	15.32	15.07				
10	16QAM	25	25	15.06	15.00	14.86	16.5	0		
10	16QAM	50	0	14.90	15.20	14.87				
10	64QAM	1	0	15.19	15.08	15.10				
10	64QAM	1	25	14.97	15.16	14.87	16.5	0		
10	64QAM	1	49	15.00	15.11	15.07				
10	64QAM	25	0	15.03	15.33	15.13				
10	64QAM	25	12	15.00	15.02	15.08	16.5	0		
10	64QAM	25	25	14.88	15.15	14.87				
10	64QAM	50	0	15.14	15.15	15.00				
10	256QAM	1	0	15.28	15.40	15.45	16.5	0		
10	256QAM	1	25	15.22	15.39	15.28				
10	256QAM	1	49	15.12	15.12	15.25				
10	256QAM	25	0	15.17	15.30	15.12	16.5	0		
10	256QAM	25	12	15.08	15.28	15.24				
10	256QAM	25	25	15.07	15.08	15.29				
10	256QAM	50	0	15.05	15.17	15.11				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	15.29	15.43	15.36	16.5	0		
5	QPSK	1	12	15.26	15.41	15.35				
5	QPSK	1	24	15.45	15.20	15.35				
5	QPSK	12	0	15.17	15.38	15.14	16.5	0		
5	QPSK	12	7	15.18	15.35	15.30				
5	QPSK	12	13	14.98	15.24	15.15				
5	QPSK	25	0	15.04	15.15	15.11	16.5	0		
5	16QAM	1	0	15.16	15.11	15.24				
5	16QAM	1	12	15.01	15.09	15.16				
5	16QAM	1	24	15.03	14.98	15.18	16.5	0		
5	16QAM	12	0	15.07	15.25	15.25				
5	16QAM	12	7	15.11	15.17	15.02				
5	16QAM	12	13	15.09	15.14	14.97	16.5	0		
5	16QAM	25	0	14.91	15.12	14.90				
5	64QAM	1	0	15.01	15.16	15.04				
5	64QAM	1	12	15.02	15.14	14.95	16.5	0		
5	64QAM	1	24	14.95	15.09	15.17				
5	64QAM	12	0	15.21	15.10	15.11				
5	64QAM	12	7	15.05	15.16	14.85	16.5	0		
5	64QAM	12	13	14.95	15.20	14.88				
5	64QAM	25	0	15.11	15.08	15.18				
5	256QAM	1	0	15.31	15.41	15.45	16.5	0		
5	256QAM	1	12	15.21	15.45	15.25				
5	256QAM	1	24	15.07	15.16	15.34				
5	256QAM	12	0	15.16	15.29	15.17	16.5	0		
5	256QAM	12	7	15.05	15.17	15.29				
5	256QAM	12	13	15.04	15.04	15.27				
5	256QAM	25	0	15.08	15.12	15.09				

Band 7 body&hotspot&extremity Ant4 For ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	13.06	13.13	13.01	14	0		
20	QPSK	1	49	13.02	13.11	12.99				
20	QPSK	1	99	13.07	12.93	12.99				
20	QPSK	50	0	12.95	12.97	12.94	14	0		
20	QPSK	50	24	12.80	12.93	12.88				
20	QPSK	50	50	12.80	12.84	12.89				
20	QPSK	100	0	12.78	12.88	12.81	14	0		
20	16QAM	1	0	12.85	12.93	12.88				
20	16QAM	1	49	12.68	12.86	12.89				
20	16QAM	1	99	12.70	12.72	12.80	14	0		
20	16QAM	50	0	12.86	12.88	12.86				
20	16QAM	50	24	12.69	12.92	12.68				
20	16QAM	50	50	12.86	12.75	12.67	14	0		
20	16QAM	100	0	12.66	12.85	12.65				
20	64QAM	1	0	12.81	12.76	12.79				
20	64QAM	1	49	12.77	12.89	12.70	14	0		
20	64QAM	1	99	12.64	12.71	12.81				
20	64QAM	50	0	12.83	12.91	12.79				
20	64QAM	50	24	12.83	12.77	12.66	14	0		
20	64QAM	50	50	12.67	12.84	12.67				
20	64QAM	100	0	12.72	12.82	12.79				
20	256QAM	1	0	12.91	12.97	12.83	14	0		
20	256QAM	1	49	12.86	12.87	12.77				
20	256QAM	1	99	12.83	12.68	12.85				
20	256QAM	50	0	12.78	12.78	12.72	14	0		
20	256QAM	50	24	12.61	12.74	12.73				
20	256QAM	50	50	12.57	12.63	12.71				
20	256QAM	100	0	12.55	12.71	12.60				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	12.87	12.94	12.88	14	0		
15	QPSK	1	37	12.80	13.09	12.90				
15	QPSK	1	74	13.01	12.76	12.79				



Band 38 body&hotspot&extremity Ant4 For ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37850	38000	38150		
20	QPSK	1	0	13.94	14.15	13.84		
20	QPSK	1	49	13.79	13.84	13.87	15	0
20	QPSK	1	99	13.79	13.98	13.78		
20	QPSK	50	0	13.99	14.09	13.87		
20	QPSK	50	24	13.70	14.06	13.84		
20	QPSK	50	50	13.80	13.87	13.92	15	0
20	QPSK	100	0	13.90	14.03	13.83		
20	16QAM	1	0	13.65	13.89	13.86		
20	16QAM	1	49	13.65	14.09	13.88	15	0
20	16QAM	1	99	13.93	14.09	13.92		
20	16QAM	50	0	13.76	13.91	13.84		
20	16QAM	50	24	13.79	13.84	13.91		
20	16QAM	50	50	13.91	13.96	14.04	15	0
20	16QAM	100	0	13.61	13.92	13.82		
20	64QAM	1	0	13.71	13.85	13.86		
20	64QAM	1	49	14.09	13.90	13.76	15	0
20	64QAM	1	99	13.80	13.89	13.84		
20	64QAM	50	0	13.68	13.90	13.89		
20	64QAM	50	24	14.01	13.99	13.76		
20	64QAM	50	50	13.98	14.06	13.77	15	0
20	64QAM	100	0	13.72	13.83	14.05		
20	256QAM	1	0	13.70	14.02	13.61		
20	256QAM	1	49	13.54	13.64	13.69	15	0
20	256QAM	1	99	13.58	13.82	13.58		
20	256QAM	50	0	13.76	13.87	13.62		
20	256QAM	50	24	13.49	13.83	13.70	15	0
20	256QAM	50	50	13.62	13.72	13.78		
20	256QAM	100	0	13.71	13.79	13.65		
Channel								
Frequency (MHz)				37825	38000	38175		
15	QPSK	1	0	14.12	14.08	13.85		
15	QPSK	1	37	13.73	13.88	13.95	15	0
15	QPSK	1	74	13.82	13.99	13.76		
15	QPSK	36	0	14.05	14.06	13.96		
15	QPSK	36	20	13.84	13.97	13.91		
15	QPSK	36	39	13.93	13.91	13.95	15	0
15	QPSK	75	0	14.03	14.09	13.79		
15	16QAM	1	0	13.89	13.87	13.82		
15	16QAM	1	37	13.72	14.07	13.93	15	0
15	16QAM	1	74	14.01	14.07	13.94		
15	16QAM	36	0	13.83	13.87	13.62		
15	16QAM	36	20	13.85	14.01	14.03	15	0
15	16QAM	36	39	14.05	14.01	14.11		
15	16QAM	75	0	13.64	13.95	13.93		
15	64QAM	1	0	13.88	13.93	14.02		
15	64QAM	1	37	13.97	13.87	13.77	15	0
15	64QAM	1	74	13.95	13.85	13.68		
15	64QAM	36	0	13.72	13.89	13.99		
15	64QAM	36	20	14.06	14.06	13.72	15	0
15	64QAM	36	39	13.94	14.06	13.91		
15	64QAM	75	0	13.88	13.89	14.12		
15	256QAM	1	0	13.80	13.94	13.68		
15	256QAM	1	37	13.65	13.62	13.67	15	0
15	256QAM	1	74	13.63	13.76	13.61		
15	256QAM	36	0	13.83	13.96	13.62		
15	256QAM	36	20	13.54	13.83	13.69	15	0
15	256QAM	36	39	13.60	13.71	13.76		
15	256QAM	75	0	13.66	13.83	13.69		
Channel								
Frequency (MHz)				37800	38000	38200		
10	QPSK	1	0	13.99	14.03	14.00		
10	QPSK	1	25	13.71	13.93	13.94	15	0
10	QPSK	1	49	13.96	14.13	13.77		
10	QPSK	25	0	14.03	14.10	13.99		
10	QPSK	25	12	13.68	14.08	13.97	15	0
10	QPSK	25	25	13.90	13.91	14.04		
10	QPSK	50	0	13.99	14.01	14.02		
10	16QAM	1	0	13.79	13.99	13.86		
10	16QAM	1	25	13.84	14.08	13.85	15	0
10	16QAM	1	49	14.11	14.07	13.94		
10	16QAM	25	0	13.79	14.00	13.76		
10	16QAM	25	12	13.87	13.83	13.94	15	0
10	16QAM	25	25	14.08	13.97	14.02		
10	64QAM	50	0	13.69	13.89	13.77		
10	64QAM	1	0	13.77	13.94	13.83		
10	64QAM	1	25	14.12	13.96	13.94	15	0
10	64QAM	1	49	13.82	13.86	13.64		
10	64QAM	25	0	13.75	13.89	13.86		
10	64QAM	25	12	14.07	13.95	13.80	15	0
10	64QAM	25	25	14.00	14.12	13.74		
10	64QAM	50	0	13.77	13.94	13.91		
10	256QAM	1	0	13.79	14.02	13.63		
10	256QAM	1	25	13.58	13.66	13.67	15	0
10	256QAM	1	49	13.62	13.79	13.62		
10	256QAM	25	0	13.83	13.95	13.66		
10	256QAM	25	12	13.47	13.91	13.70	15	0
10	256QAM	25	25	13.57	13.73	13.73		
10	256QAM	50	0	13.70	13.86	13.63		
Channel								
Frequency (MHz)				37775	38000	38225		
5	QPSK	1	0	13.90	14.11	13.88		
5	QPSK	1	12	13.76	13.81	13.85	15	0
5	QPSK	1	24	13.75	13.97	13.81		
5	QPSK	12	0	14.03	14.06	13.91		
5	QPSK	12	7	13.82	14.05	13.95	15	0
5	QPSK	12	13	13.89	13.87	14.10		
5	QPSK	25	0	14.08	13.96	13.99		
5	16QAM	1	0	13.76	13.87	14.05		
5	16QAM	1	12	13.79	14.10	13.99	15	0
5	16QAM	1	24	13.95	14.06	14.04		
5	16QAM	12	0	13.94	14.01	13.80		
5	16QAM	12	7	13.87	13.92	13.87		
5	16QAM	12	13	14.07	13.96	14.13	15	0
5	16QAM	25	0	13.64	13.99	13.96		
5	64QAM	1	0	13.71	14.01	14.03		
5	64QAM	1	12	14.08	13.97	13.89	15	0
5	64QAM	1	24	13.80	13.94	13.76		
5	64QAM	12	0	13.72	14.01	13.87		
5	64QAM	12	7	13.97	13.97	13.73	15	0
5	64QAM	12	13	14.13	14.10	13.90		
5	64QAM	25	0	13.79	13.97	13.97		
5	256QAM	1	0	13.79	14.00	13.70		
5	256QAM	1	12	13.63	13.69	13.64	15	0
5	256QAM	1	24	13.55	13.79	13.61		
5	256QAM	12	0	13.83	13.85	13.64		
5	256QAM	12	7	13.52	13.82	13.62	15	0
5	256QAM	12	13	13.66	13.73	13.75		
5	256QAM	25	0	13.66	13.86	13.67		

Band 41 body&hotspot&extremity Ant4 For ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	14.10	13.94	14.20	13.86	13.95		
20	QPSK	1	49	13.95	13.91	14.01	13.92	13.91	15	0
20	QPSK	1	99	13.94	13.95	14.03	13.87	13.89		
20	QPSK	50	0	14.09	14.03	14.15	14.07	14.02		
20	QPSK	50	24	13.96	14.08	14.10	13.95	13.97		
20	QPSK	50	50	13.97	13.98	14.10	13.91	13.97	15	0
20	QPSK	100	0	13.97	13.99	14.12	14.00	13.98		
20	16QAM	1	0	13.96	14.02	14.13	14.07	14.03		
20	16QAM	1	49	13.84	13.84	14.02	13.92	13.94	15	0
20	16QAM	1	99	14.01	14.10	14.13	14.07	14.05		
20	16QAM	50	0	14.02	14.04	14.14	14.05	14.03		
20	16QAM	50	24	14.08	14.01	14.16	14.07	14.07	15	0
20	16QAM	50	50	13.98	14.00	14.08	13.89	13.90		
20	16QAM	100	0	13.98	14.04	14.10	13.92	14.01		
20	64QAM	1	0	13.54	13.80	13.68	13.56	13.54		
20	64QAM	1	49	13.52	13.53	13.58	13.51	13.55	15	0
20	64QAM	1	99	13.51	13.53	13.56	13.55	13.54		
20	64QAM	50	0	14.01	14.06	14.11	13.97	14.04		
20	64QAM	50	24	13.97	14.05	14.15	14.11	13.99	15	0
20	64QAM									



Band 38 head Ant4 For ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.27	15.49	15.18	16.5	0	
20	QPSK	1	49	15.16	15.18	15.22			
20	QPSK	1	99	15.14	15.33	15.15			
20	QPSK	50	0	15.32	15.46	15.20	16.5	0	
20	QPSK	50	24	15.04	15.39	15.20			
20	QPSK	50	50	15.15	15.22	15.27			
20	QPSK	100	0	15.23	15.39	15.19	16.5	0	
20	16QAM	1	0	15.00	15.23	15.22			
20	16QAM	1	49	15.02	15.43	15.25			
20	16QAM	1	99	15.29	15.45	15.27	16.5	0	
20	16QAM	50	0	15.08	15.27	14.98			
20	16QAM	50	24	15.17	15.20	15.29			
20	16QAM	50	50	15.28	15.31	15.37	16.5	0	
20	16QAM	100	0	14.98	15.26	15.19			
20	64QAM	1	0	15.07	15.20	15.19			
20	64QAM	1	49	15.45	15.22	15.12	16.5	0	
20	64QAM	1	99	15.17	15.22	15.02			
20	64QAM	50	0	15.06	15.23	15.23			
20	64QAM	50	24	15.35	15.34	15.09	16.5	0	
20	64QAM	50	50	15.36	15.43	15.13			
20	64QAM	100	0	15.05	15.16	15.38			
20	256QAM	1	0	15.04	15.29	14.97	16.5	0	
20	256QAM	1	49	14.96	15.04	15.08			
20	256QAM	1	99	14.92	15.18	14.93			
20	256QAM	50	0	15.09	15.25	15.04	16.5	0	
20	256QAM	50	24	14.82	15.14	15.06			
20	256QAM	50	50	14.96	15.03	15.05			
20	256QAM	100	0	15.01	15.23	14.94			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.45	15.43	15.19	16.5	0	
15	QPSK	1	37	15.06	15.21	15.29			
15	QPSK	1	74	15.30	15.36	15.11			
15	QPSK	36	0	15.43	15.39	15.30	16.5	0	
15	QPSK	36	20	15.17	15.29	15.29			
15	QPSK	36	39	15.31	15.27	15.29			
15	QPSK	75	0	15.35	15.44	15.15	16.5	0	
15	16QAM	1	0	15.22	15.23	15.19			
15	16QAM	1	37	15.07	15.45	15.26			
15	16QAM	1	74	15.37	15.45	15.27	16.5	0	
15	16QAM	36	0	15.21	15.23	14.98			
15	16QAM	36	20	15.21	15.36	15.40			
15	16QAM	36	39	15.42	15.38	15.48	16.5	0	
15	16QAM	75	0	14.99	15.29	15.29			
15	64QAM	1	0	15.21	15.26	15.37			
15	64QAM	1	37	15.34	15.20	15.11	16.5	0	
15	64QAM	1	74	15.32	15.18	15.03			
15	64QAM	36	0	15.08	15.26	15.35			
15	64QAM	36	20	15.38	15.38	15.09	16.5	0	
15	64QAM	36	39	15.30	15.41	15.27			
15	64QAM	75	0	15.21	15.21	15.48			
15	256QAM	1	0	15.02	15.25	14.97	16.5	0	
15	256QAM	1	37	14.95	15.01	15.03			
15	256QAM	1	74	14.93	15.15	15.00			
15	256QAM	36	0	15.10	15.23	14.99	16.5	0	
15	256QAM	36	20	14.81	15.15	14.98			
15	256QAM	36	39	14.95	15.07	15.06			
15	256QAM	75	0	15.01	15.18	14.99			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.49	15.41	15.21	16.5	0	
10	QPSK	1	25	15.06	15.23	15.28			
10	QPSK	1	49	15.28	15.32	15.10			
10	QPSK	25	0	15.40	15.41	15.33	16.5	0	
10	QPSK	25	12	15.17	15.32	15.29			
10	QPSK	25	25	15.27	15.27	15.33			
10	QPSK	50	0	15.35	15.44	15.14	16.5	0	
10	16QAM	1	0	15.26	15.21	15.16			
10	16QAM	1	25	15.06	15.44	15.28			
10	16QAM	1	49	15.38	15.41	15.28	16.5	0	
10	16QAM	25	0	15.18	15.21	14.99			
10	16QAM	25	12	15.18	15.35	15.35			
10	16QAM	25	25	15.38	15.36	15.48	16.5	0	
10	16QAM	50	0	14.97	15.32	15.30			
10	64QAM	1	0	15.23	15.25	15.40			
10	64QAM	1	25	15.34	15.21	15.13	16.5	0	
10	64QAM	1	49	15.31	15.17	15.05			
10	64QAM	25	0	15.06	15.23	15.36			
10	64QAM	25	12	15.40	15.40	15.06	16.5	0	
10	64QAM	25	25	15.30	15.40	15.26			
10	64QAM	50	0	15.21	15.23	15.47			
10	256QAM	1	0	15.13	15.25	15.05	16.5	0	
10	256QAM	1	25	14.97	14.93	15.03			
10	256QAM	1	49	14.90	15.18	15.01			
10	256QAM	25	0	15.17	15.29	15.04	16.5	0	
10	256QAM	25	12	14.81	15.14	15.02			
10	256QAM	25	25	14.94	15.06	15.06			
10	256QAM	50	0	15.06	15.18	14.99			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.47	15.46	15.22	16.5	0	
5	QPSK	1	12	15.09	15.25	15.28			
5	QPSK	1	24	15.26	15.32	15.13			
5	QPSK	12	0	15.38	15.38	15.34	16.5	0	
5	QPSK	12	7	15.21	15.35	15.23			
5	QPSK	12	13	15.31	15.29	15.32			
5	QPSK	25	0	15.39	15.43	15.17	16.5	0	
5	16QAM	1	0	15.22	15.20	15.16			
5	16QAM	1	12	15.08	15.41	15.28			
5	16QAM	1	24	15.37	15.43	15.30	16.5	0	
5	16QAM	12	0	15.18	15.24	15.00			
5	16QAM	12	7	15.19	15.38	15.41			
5	16QAM	12	13	15.41	15.35	15.44	16.5	0	
5	16QAM	25	0	15.00	15.32	15.26			
5	64QAM	1	0	15.25	15.30	15.35			
5	64QAM	1	12	15.31	15.25	15.11	16.5	0	
5	64QAM	1	24	15.33	15.19	15.02			
5	64QAM	12	0	15.06	15.26	15.32			
5	64QAM	12	7	15.38	15.41	15.07	16.5	0	
5	64QAM	12	13	15.32	15.41	15.29			
5	64QAM	25	0	15.26	15.22	15.47			
5	256QAM	1	0	15.11	15.32	15.01	16.5	0	
5	256QAM	1	12	14.99	14.93	15.02			
5	256QAM	1	24	14.91	15.14	14.95			
5	256QAM	12	0	15.18	15.26	15.06	16.5	0	
5	256QAM	12	7	14.90	15.14	15.02			
5	256QAM	12	13	14.98	15.04	15.10			
5	256QAM	25	0	15.06	15.25	15.02			

Band 41 head Ant4 For ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.41	15.05	15.51	15.17	15.25	16.5	0
20	QPSK	1	49	15.08	15.19	15.34	15.06	15.10		
20	QPSK	1	99	15.10	15.13	15.15	15.02	15.03		
20	QPSK	50	0	15.35	15.30	15.43	15.40	15.22	16.5	0
20	QPSK	50	24	15.10	15.42	15.28	15.17	15.29		
20	QPSK	50	50	15.18	15.17	15.25	15.06	15.21		
20	QPSK	100	0	15.21	15.19	15.38	15.25	15.28	16.5	0
20	16QAM	1	0	15.20	15.27	15.35	15.39	15.25		
20	16QAM	1	49	14.96	15.16	15.17	15.20	15.10		
20	16QAM	1	99	15.33	15.31	15.29	15.27	15.19	16.5	0
20	16QAM	50	0	15.17	15.25	15.41	15.24	15.14		
20	16QAM	50	24	15.36	15.15	15.41	15.22	15.33		
20	16QAM	50	50	15.14	15.21	15.38	15.06	15.24	16.5	0
20	16QAM	100	0	15.26	15.26	15.36	15.19	15.18		
20	64QAM	1	0	14.85	14.88	14.91	14.69	14.75		
20	64QAM	1	49	14.77	14.70	14.78	14.62	14.74	16.5	0
20	64QAM	1	99	14.66	14.75	14.84	14.87	14.84		
20	64QAM	50	0	15.20	15.40	15.24	15.32	15.22		
20	64QAM	50	24	15.12	15.18	15.35	15.44	15.24	16.5	0
20	64QAM	50	50	15.20	15.10	15.09	15.21			



Band 42 body&hotspot&extremity Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.34	18.41	18.36	19.5	0	
20	QPSK	1	49	18.28	18.21	18.31			
20	QPSK	1	99	18.31	18.21	18.16			
20	QPSK	50	0	18.37	18.39	18.30			
20	QPSK	50	24	18.16	18.22	18.16			
20	QPSK	50	50	18.28	18.32	18.34			
20	QPSK	100	0	18.20	18.37	18.24			
20	16QAM	1	0	18.34	18.35	18.20			
20	16QAM	1	49	18.16	18.23	18.29			
20	16QAM	1	99	18.17	18.19	18.00			
20	16QAM	50	0	18.31	18.31	18.20			
20	16QAM	50	24	18.35	18.33	18.27			
20	16QAM	50	50	18.25	18.32	18.19			
20	16QAM	100	0	18.23	18.22	18.29			
20	64QAM	1	0	18.34	18.34	18.24			
20	64QAM	1	49	18.31	18.20	18.28			
20	64QAM	1	99	18.28	18.30	18.20			
20	64QAM	50	0	18.14	18.32	18.10			
20	64QAM	50	24	18.15	18.27	18.29			
20	64QAM	50	50	18.28	18.22	18.26			
20	64QAM	100	0	18.33	18.23	18.29			
20	256QAM	1	0	17.80	17.94	17.88			
20	256QAM	1	49	17.82	17.77	17.83			
20	256QAM	1	99	17.82	17.76	17.67			
20	256QAM	50	0	17.90	17.91	17.81			
20	256QAM	50	24	17.71	17.74	17.66			
20	256QAM	50	50	17.80	17.85	17.87			
20	256QAM	100	0	17.69	17.87	17.80			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.17	18.33	18.37	19.5	0	
15	QPSK	1	37	18.10	18.02	18.16			
15	QPSK	1	74	18.13	18.18	18.06			
15	QPSK	36	0	18.21	18.37	18.31			
15	QPSK	36	20	18.00	18.16	18.18			
15	QPSK	36	39	18.09	18.26	18.35			
15	QPSK	75	0	18.06	18.23	18.04			
15	16QAM	1	0	18.27	18.32	18.01			
15	16QAM	1	37	18.13	18.20	18.25			
15	16QAM	1	74	18.00	18.09	17.87			
15	16QAM	36	0	18.30	18.21	18.17			
15	16QAM	36	20	18.29	18.35	18.06			
15	16QAM	36	39	18.27	18.29	17.98			
15	16QAM	75	0	18.18	18.16	18.08			
15	64QAM	1	0	18.25	18.24	18.16			
15	64QAM	1	37	18.10	18.10	18.15			
15	64QAM	1	74	18.27	18.27	18.22			
15	64QAM	36	0	17.98	18.20	17.96			
15	64QAM	36	20	18.12	18.20	18.25			
15	64QAM	36	39	18.17	18.01	18.13			
15	64QAM	75	0	18.23	18.21	18.27			
15	256QAM	1	0	17.87	17.97	17.82			
15	256QAM	1	37	17.85	17.68	17.76			
15	256QAM	1	74	17.78	17.75	17.73			
15	256QAM	36	0	17.83	17.85	17.81			
15	256QAM	36	20	17.69	17.67	17.64			
15	256QAM	36	39	17.83	17.78	17.88			
15	256QAM	75	0	17.70	17.82	17.72			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.17	18.21	18.29	19.5	0	
10	QPSK	1	25	18.17	18.17	18.32			
10	QPSK	1	49	18.24	18.08	18.04			
10	QPSK	25	0	18.35	18.39	18.31			
10	QPSK	25	12	18.07	18.21	18.09			
10	QPSK	25	25	18.07	18.23	18.21			
10	QPSK	50	0	18.16	18.27	18.16			
10	16QAM	1	0	18.16	18.37	18.04			
10	16QAM	1	25	17.94	18.19	18.15			
10	16QAM	1	49	18.02	18.21	17.95			
10	16QAM	25	0	18.15	18.23	18.20			
10	16QAM	25	12	18.31	18.25	18.20			
10	16QAM	25	25	18.17	18.14	18.13			
10	16QAM	50	0	18.15	18.18	18.08			
10	64QAM	1	0	18.29	18.34	18.07			
10	64QAM	1	25	18.23	18.11	18.16			
10	64QAM	1	49	18.11	18.29	18.21			
10	64QAM	25	0	18.00	18.18	17.98			
10	64QAM	25	12	17.94	18.18	18.21			
10	64QAM	25	25	18.09	18.05	18.10			
10	64QAM	50	0	18.27	18.24	18.24			
10	256QAM	1	0	17.86	17.93	17.93			
10	256QAM	1	25	17.84	17.68	17.87			
10	256QAM	1	49	17.85	17.72	17.63			
10	256QAM	25	0	17.92	17.95	17.82			
10	256QAM	25	12	17.66	17.70	17.71			
10	256QAM	25	25	17.84	17.89	17.82			
10	256QAM	50	0	17.71	17.84	17.74			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.18	18.29	18.38	19.5	0	
5	QPSK	1	12	18.22	18.01	18.12			
5	QPSK	1	24	18.25	18.10	18.03			
5	QPSK	12	0	18.29	18.34	18.13			
5	QPSK	12	7	18.07	18.14	18.08			
5	QPSK	12	13	18.07	18.23	18.28			
5	QPSK	25	0	18.16	18.23	18.25			
5	16QAM	1	0	18.29	18.31	18.18			
5	16QAM	1	12	18.02	18.05	18.28			
5	16QAM	1	24	18.15	18.20	18.02			
5	16QAM	12	0	18.20	18.24	18.14			
5	16QAM	12	7	18.16	18.21	18.09			
5	16QAM	12	13	18.19	18.12	18.17			
5	16QAM	25	0	18.18	18.15	18.26			
5	64QAM	1	0	18.29	18.17	18.25			
5	64QAM	1	12	18.21	18.08	18.20			
5	64QAM	1	24	18.12	18.15	18.01			
5	64QAM	12	0	18.08	18.23	17.89			
5	64QAM	12	7	18.00	18.16	18.17			
5	64QAM	12	13	18.24	18.11	18.13			
5	64QAM	25	0	18.34	18.05	18.16			
5	256QAM	1	0	17.81	17.97	17.82			
5	256QAM	1	12	17.81	17.72	17.81			
5	256QAM	1	24	17.84	17.66	17.65			
5	256QAM	12	0	17.88	17.96	17.83			
5	256QAM	12	7	17.67	17.71	17.71			
5	256QAM	12	13	17.75	17.83	17.83			
5	256QAM	25	0	17.72	17.92	17.74			

Band 42 Ant5 head									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.78	19.86	19.81	21	0	
20	QPSK	1	49	19.80	19.78	19.78			
20	QPSK	1	99	19.78	19.84	19.67			
20	QPSK	50	0	19.74	19.84	19.80			
20	QPSK	50	24	19.63	19.73	19.83			
20	QPSK	50	50	19.59	19.76	19.61			
20	QPSK	100	0	19.73	19.81	19.75			
20	16QAM	1	0	19.66	19.80	19.80			
20	16QAM	1	49	19.75	19.74	19.64			
20	16QAM	1	99	19.62	19.66	19.79			
20	16QAM	50	0	19.35	19.52	19.54			
20	16QAM	50	24	19.73	19.56	19.71			
20	16QAM	50	50	19.51	19.54	19.61			
20	16QAM	100	0	19.54	19.74	19.52			
20	64QAM	1	0	19.60	19.68	19.45			
20	64QAM	1	49	19.72	19.69	19.58			
20	64QAM	1	99	19.42					



Band 7 hotspot&body&extremity for ENDC Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.81	13.83	13.58	15	0	
20	QPSK	1	49	13.63	13.62	13.57			
20	QPSK	1	99	13.59	13.75	13.55			
20	QPSK	50	0	13.66	13.82	13.69	15	0	
20	QPSK	50	24	13.75	13.81	13.63			
20	QPSK	50	50	13.59	13.79	13.64			
20	QPSK	100	0	13.53	13.73	13.58	15	0	
20	16QAM	1	0	13.72	13.77	13.75			
20	16QAM	1	49	13.79	13.82	13.75			
20	16QAM	1	99	13.77	13.69	13.81	15	0	
20	16QAM	50	0	13.60	13.81	13.72			
20	16QAM	50	24	13.74	13.64	13.64			
20	16QAM	50	50	13.52	13.77	13.69	15	0	
20	16QAM	100	0	13.76	13.77	13.78			
20	64QAM	1	0	13.75	13.71	13.57			
20	64QAM	1	49	13.59	13.63	13.70	15	0	
20	64QAM	1	99	13.71	13.73	13.81			
20	64QAM	50	0	13.50	13.72	13.49			
20	64QAM	50	24	13.67	13.69	13.47	15	0	
20	64QAM	50	50	13.54	13.60	13.59			
20	64QAM	100	0	13.72	13.70	13.74			
20	256QAM	1	0	13.55	13.55	13.35	15	0	
20	256QAM	1	49	13.43	13.43	13.35			
20	256QAM	1	99	13.49	13.64	13.23			
20	256QAM	50	0	13.35	13.67	13.48	15	0	
20	256QAM	50	24	13.43	13.67	13.49			
20	256QAM	50	50	13.33	13.67	13.48			
20	256QAM	100	0	13.39	13.64	13.33			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.88	13.70	13.81	15	0	
15	QPSK	1	37	13.76	13.75	13.44			
15	QPSK	1	74	13.57	13.59	13.69			
15	QPSK	36	0	13.43	13.72	13.43	15	0	
15	QPSK	36	20	13.54	13.48	13.43			
15	QPSK	36	39	13.31	13.52	13.54			
15	QPSK	75	0	13.48	13.62	13.37	15	0	
15	16QAM	1	0	13.51	13.48	13.46			
15	16QAM	1	37	13.26	13.48	13.48			
15	16QAM	1	74	13.40	13.34	13.22	15	0	
15	16QAM	36	0	13.37	13.40	13.59			
15	16QAM	36	20	13.45	13.60	13.27			
15	16QAM	36	39	13.26	13.59	13.33	15	0	
15	16QAM	75	0	13.18	13.34	13.25			
15	64QAM	1	0	13.41	13.46	13.41			
15	64QAM	1	37	13.34	13.50	13.37	15	0	
15	64QAM	1	74	13.45	13.45	13.61			
15	64QAM	36	0	13.43	13.37	13.22			
15	64QAM	36	20	13.48	13.33	13.34	15	0	
15	64QAM	36	39	13.43	13.41	13.42			
15	64QAM	75	0	13.56	13.56	13.52			
15	256QAM	1	0	13.61	13.60	13.34	15	0	
15	256QAM	1	37	13.53	13.43	13.43			
15	256QAM	1	74	13.42	13.51	13.27			
15	256QAM	36	0	13.54	13.53	13.55	15	0	
15	256QAM	36	20	13.64	13.58	13.48			
15	256QAM	36	39	13.36	13.48	13.37			
15	256QAM	75	0	13.46	13.51	13.47			
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.69	13.77	13.57	15	0	
10	QPSK	1	25	13.78	13.76	13.45			
10	QPSK	1	49	13.56	13.52	13.70			
10	QPSK	25	0	13.42	13.67	13.42	15	0	
10	QPSK	25	12	13.57	13.49	13.51			
10	QPSK	25	25	13.37	13.51	13.54			
10	16QAM	1	0	13.48	13.66	13.35	15	0	
10	16QAM	1	25	13.50	13.41	13.47			
10	16QAM	1	49	13.27	13.48	13.46			
10	16QAM	25	0	13.40	13.33	13.22	15	0	
10	16QAM	25	12	13.46	13.47	13.54			
10	16QAM	25	25	13.25	13.63	13.27			
10	16QAM	50	0	13.22	13.36	13.28	15	0	
10	64QAM	1	0	13.49	13.46	13.42			
10	64QAM	1	25	13.29	13.41	13.41			
10	64QAM	1	49	13.43	13.42	13.64	15	0	
10	64QAM	25	0	13.36	13.36	13.18			
10	64QAM	25	12	13.40	13.33	13.37			
10	64QAM	25	25	13.43	13.32	13.47	15	0	
10	64QAM	50	0	13.52	13.53	13.52			
10	256QAM	1	0	13.48	13.73	13.47			
10	256QAM	1	25	13.51	13.40	13.44	15	0	
10	256QAM	1	49	13.41	13.55	13.34			
10	256QAM	25	0	13.38	13.58	13.42			
10	256QAM	25	12	13.60	13.70	13.36	15	0	
10	256QAM	25	25	13.36	13.48	13.37			
10	256QAM	50	0	13.51	13.63	13.39			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.70	13.72	13.62	15	0	
5	QPSK	1	12	13.70	13.75	13.45			
5	QPSK	1	24	13.61	13.57	13.62			
5	QPSK	12	0	13.35	13.64	13.47	15	0	
5	QPSK	12	7	13.52	13.43	13.47			
5	QPSK	12	13	13.37	13.55	13.58			
5	QPSK	25	0	13.45	13.64	13.38	15	0	
5	16QAM	1	0	13.48	13.47	13.42			
5	16QAM	1	12	13.31	13.46	13.44			
5	16QAM	1	24	13.38	13.36	13.28	15	0	
5	16QAM	12	0	13.40	13.45	13.62			
5	16QAM	12	7	13.44	13.57	13.32			
5	16QAM	12	13	13.30	13.67	13.31	15	0	
5	16QAM	25	0	13.21	13.31	13.29			
5	64QAM	1	0	13.42	13.51	13.46			
5	64QAM	1	12	13.26	13.50	13.38	15	0	
5	64QAM	1	24	13.39	13.52	13.63			
5	64QAM	12	0	13.43	13.35	13.24			
5	64QAM	12	7	13.46	13.30	13.34	15	0	
5	64QAM	12	13	13.44	13.31	13.45			
5	64QAM	25	0	13.49	13.50	13.55			
5	256QAM	1	0	13.67	13.64	13.39	15	0	
5	256QAM	1	12	13.45	13.33	13.42			
5	256QAM	1	24	13.46	13.51	13.44			
5	256QAM	12	0	13.41	13.54	13.49	15	0	
5	256QAM	12	7	13.52	13.61	13.35			
5	256QAM	12	13	13.45	13.54	13.42			
5	256QAM	25	0	13.45	13.64	13.28			



Band 5 body&hotspot&extremity for ENDC Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	19.88	19.85	19.76	21	0	
10	QPSK	1	25	19.75	19.69	19.72			
10	QPSK	1	49	19.67	19.69	19.72			
10	QPSK	25	0	19.77	19.82	19.66	21	0	
10	QPSK	25	12	19.76	19.70	19.77			
10	QPSK	25	25	19.68	19.78	19.70			
10	QPSK	50	0	19.73	19.74	19.73	21	0	
10	16QAM	1	0	19.77	19.67	19.76			
10	16QAM	1	25	19.76	19.71	19.73			
10	16QAM	1	49	19.73	19.70	19.74	21	0	
10	16QAM	25	0	19.71	19.69	19.66			
10	16QAM	25	12	19.69	19.67	19.70			
10	16QAM	25	25	19.77	19.76	19.75	21	0	
10	16QAM	50	0	19.76	19.66	19.66			
10	64QAM	1	0	19.77	19.77	19.71			
10	64QAM	1	25	19.66	19.73	19.69	21	0	
10	64QAM	1	49	19.74	19.67	19.77			
10	64QAM	25	0	19.71	19.83	19.65			
10	64QAM	25	12	19.55	19.61	19.51	21	0	
10	64QAM	25	25	19.66	19.65	19.65			
10	64QAM	50	0	19.61	19.78	19.67			
10	256QAM	1	0	17.62	17.92	17.80	19	2	
10	256QAM	1	25	17.77	17.81	17.77			
10	256QAM	1	49	17.67	17.71	17.59			
10	256QAM	25	0	17.84	17.82	17.66	19	2	
10	256QAM	25	12	17.85	17.61	17.65			
10	256QAM	25	25	17.69	17.86	17.76			
10	256QAM	50	0	17.68	17.84	17.78			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	19.59	19.73	19.68	21	0	
5	QPSK	1	12	19.62	19.60	19.63			
5	QPSK	1	24	19.57	19.58	19.63			
5	QPSK	12	0	19.68	19.73	19.57	21	0	
5	QPSK	12	7	19.65	19.61	19.67			
5	QPSK	12	13	19.60	19.70	19.59			
5	QPSK	25	0	19.64	19.66	19.60	21	0	
5	16QAM	1	0	19.70	19.58	19.65			
5	16QAM	1	12	19.68	19.63	19.65			
5	16QAM	1	24	19.65	19.57	19.66	21	0	
5	16QAM	12	0	19.58	19.58	19.58			
5	16QAM	12	7	19.61	19.55	19.58			
5	16QAM	12	13	19.65	19.65	19.67	21	0	
5	16QAM	25	0	19.66	19.58	19.54			
5	64QAM	1	0	19.66	19.65	19.58			
5	64QAM	1	12	19.59	19.61	19.57	21	0	
5	64QAM	1	24	19.65	19.59	19.69			
5	64QAM	12	0	19.62	19.73	19.52			
5	64QAM	12	7	19.45	19.51	19.38	21	0	
5	64QAM	12	13	19.54	19.53	19.56			
5	64QAM	25	0	19.53	19.67	19.56			
5	256QAM	1	0	17.70	17.94	17.67	19	2	
5	256QAM	1	12	17.80	17.74	17.61			
5	256QAM	1	24	17.56	17.70	17.84			
5	256QAM	12	0	17.85	17.77	17.63	19	2	
5	256QAM	12	7	17.83	17.70	17.73			
5	256QAM	12	13	17.55	17.73	17.71			
5	256QAM	25	0	17.67	17.70	17.65			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	19.57	19.76	19.65	21	0	
3	QPSK	1	8	19.68	19.60	19.60			
3	QPSK	1	14	19.54	19.56	19.64			
3	QPSK	6	0	19.64	19.71	19.58	21	0	
3	QPSK	6	4	19.69	19.57	19.67			
3	QPSK	6	7	19.56	19.69	19.58			
3	QPSK	15	0	19.65	19.65	19.65	21	0	
3	16QAM	1	0	19.66	19.58	19.65			
3	16QAM	1	8	19.66	19.59	19.62			
3	16QAM	1	14	19.63	19.59	19.64	21	0	
3	16QAM	6	0	19.60	19.59	19.62			
3	16QAM	6	4	19.58	19.59	19.62			
3	16QAM	6	7	19.70	19.65	19.63	21	0	
3	16QAM	15	0	19.68	19.55	19.57			
3	64QAM	1	0	19.70	19.70	19.62			
3	64QAM	1	8	19.56	19.62	19.59	21	0	
3	64QAM	1	14	19.66	19.57	19.65			
3	64QAM	6	0	19.60	19.70	19.56			
3	64QAM	6	4	19.44	19.53	19.41	21	0	
3	64QAM	6	7	19.56	19.54	19.58			
3	64QAM	15	0	19.51	19.70	19.56			
3	256QAM	1	0	17.79	17.79	17.85	19	2	
3	256QAM	1	8	17.74	17.75	17.69			
3	256QAM	1	14	17.75	17.72	17.76			
3	256QAM	6	0	17.65	17.86	17.64	19	2	
3	256QAM	6	4	17.73	17.78	17.72			
3	256QAM	6	7	17.66	17.81	17.67			
3	256QAM	15	0	17.86	17.82	17.71			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	19.61	19.78	19.64	21	0	
1.4	QPSK	1	3	19.63	19.62	19.64			
1.4	QPSK	1	5	19.60	19.58	19.64			
1.4	QPSK	3	0	19.69	19.71	19.54	21	0	
1.4	QPSK	3	1	19.63	19.59	19.66			
1.4	QPSK	3	3	19.56	19.71	19.59			
1.4	QPSK	6	0	19.64	19.65	19.66	21	0	
1.4	16QAM	1	0	19.65	19.57	19.69			
1.4	16QAM	1	3	19.67	19.64	19.63			
1.4	16QAM	1	5	19.63	19.59	19.66	21	0	
1.4	16QAM	3	0	19.59	19.60	19.57			
1.4	16QAM	3	1	19.57	19.54	19.58			
1.4	16QAM	3	3	19.65	19.64	19.67	21	0	
1.4	16QAM	6	0	19.65	19.55	19.58			
1.4	64QAM	1	0	19.67	19.70	19.61			
1.4	64QAM	1	3	19.57	19.65	19.60	21	0	
1.4	64QAM	1	5	19.63	19.59	19.68			
1.4	64QAM	3	0	19.61	19.76	19.54			
1.4	64QAM	3	1	19.45	19.50	19.41	21	0	
1.4	64QAM	3	3	19.53	19.54	19.57			
1.4	64QAM	6	0	19.54	19.67	19.57			
1.4	256QAM	1	0	17.64	17.93	17.85	19	2	
1.4	256QAM	1	3	17.80	17.64	17.83			
1.4	256QAM	1	5	17.70	17.62	17.80			
1.4	256QAM	3	0	17.72	17.77	17.79	19	2	
1.4	256QAM	3	1	17.77	17.82	17.90			
1.4	256QAM	3	3	17.72	17.75	17.71			
1.4	256QAM	6	0	17.70	17.73	17.78	19	2	



UL CA Power

Ant 0 Full Power

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	22.97	24.00
21100	21298	QPSK	1	99	1	0	2	0	22.98	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.95	24.00

Ant 0 Full Power

CA_41c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.10	24.00
40620	40818	QPSK	1	99	1	0	2	0	23.24	24.00
41490	41292	QPSK	1	0	1	99	2	0	23.19	24.00

Ant 5 Full Power

CA_42c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	22.53	24.00
42590	42788	QPSK	1	99	1	0	2	0	22.65	24.00
42990	42792	QPSK	1	0	1	99	2	0	22.69	24.00

Ant 5 Head

CA_42c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	19.51	21.00
42590	42788	QPSK	1	99	1	0	2	0	19.55	21.00
42990	42792	QPSK	1	0	1	99	2	0	19.57	21.00

Ant 0 body&hotspot&extremity

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	17.38	18.50
21100	21298	QPSK	1	99	1	0	2	0	17.39	18.50
21350	21152	QPSK	1	0	1	99	2	0	17.35	18.50

Ant 0 body&hotspot&extremity

CA_41c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.10	20.00
40620	40818	QPSK	1	99	1	0	2	0	19.24	20.00
41490	41292	QPSK	1	0	1	99	2	0	19.19	20.00

Ant 5 body&hotspot&extremity

CA_42c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	18.03	19.50
42590	42788	QPSK	1	99	1	0	2	0	18.15	19.50
42990	42792	QPSK	1	0	1	99	2	0	18.19	19.50



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_5A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100		22.59	22.82
	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 5	10M	881.5	2525		22.98	23.15
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0		Band 7	5M	2664	3193		22.94	23.15
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 7	20M	2555	3298		22.93	23.15
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 7	5M	2688	3425		22.90	23.15
CA_38C	Band 38	Ant0	15M	2595	38000	QPSK	1	0		Band 38	15M	2610	38150		22.99	23.24
CA_41A-42A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 42	20M	3500	42590		23.31	23.49
	Band 42	Ant5	20M	3500	42590	QPSK	1	0		Band 41	20M	2593	40620		22.68	22.89



3CA DL

3CA List	PCC									SCC1					SCC2				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	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
	CA_41A_41A_41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		Band 41	20M	2506	39750		23.38
CA_42D	Band 42	Ant5	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		Band 42	20M	3539.6	42986		23.10	22.89
CA_41C-42A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 42	20M	3500	42590		23.32	23.49
	Band 42	Ant5	20M	3500	42590	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		22.68	22.89
CA_41A-42C	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		23.28	23.49
	Band 42	Ant5	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		Band 41	20M	2612.8	40818		22.69	22.89



4CA DL

Configure	PCC									SCC1					SCC2					SCC3					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Tx. Power (dBm)	Tx. Power (dBm)
CA_41C-41C	Band 41	Ant0	20M	2506	39750	QPSK	1	0		Band 41	10M	2520.4	39894		Band 41	20M	2636.5	41055		Band 41	10M	2650.9	41199		23.26	23.49
CA_41E	Band 41	Ant0	20M	2506	39750	QPSK	1	0		Band 41	20M	2525.8	39948		Band 41	20M	2545.6	40146		Band 41	20M	2565.4	40344		23.34	23.49
CA_41A-41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	20M	2545.6	40146		Band 41	20M	2525.8	39948		Band 41	20M	2506	39750		23.31	23.49
CA_41A-41A-41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	5M	2887.5	41565		Band 41	20M	2506	39750		Band 41	20M	2525.8	39948		23.26	23.49
CA_41C-42C	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		23.37	23.49
	Band 42	Ant5	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		22.71	22.89



Full Power Mode

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	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.99	23.13	23.05	24.0	0.0
40	PI/2 BPSK	1	108	22.90	23.03	22.92		
40	PI/2 BPSK	1	214	22.84	22.95	22.80		
40	PI/2 BPSK	108	0	22.34	22.48	22.43	23.5	0.5
40	PI/2 BPSK	108	54	22.82	22.97	22.82	24.0	0.0
40	PI/2 BPSK	108	108	22.47	22.54	22.49	23.5	0.5
40	PI/2 BPSK	216	0	22.37	22.51	22.36		
40	QPSK	1	1	23.10	23.25	23.14	24.0	0.0
40	QPSK	1	108	23.00	23.08	22.99		
40	QPSK	1	214	22.98	23.05	22.92		
40	QPSK	108	0	21.87	22.02	21.95	23.0	1.0
40	QPSK	108	54	22.93	22.98	22.86	24.0	0.0
40	QPSK	108	108	21.90	22.04	21.98	23.0	1.0
40	QPSK	216	0	21.95	22.00	21.94		
40	16QAM	1	1	22.25	22.33	22.26	23.0	1.0
40	64QAM	1	1	20.70	20.77	20.68	21.5	2.5
40	256QAM	1	1	18.80	18.85	18.76	19.5	4.5
Channel				503000	507000	511000	24.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.02	23.21	23.08	24.0	0.0
Channel				502500	507000	511500	24.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.96	23.18	23.04	24.0	0.0
Channel				502000	507000	512000	24.0	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.01	23.14	22.99	24.0	0.0
Channel				501500	507000	512500	24.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.04	23.20	23.06	24.0	0.0
Channel				501000	507000	513000	24.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.98	23.11	23.00	24.0	0.0
Channel				500500	507000	513500	24.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.03	23.19	23.09	24.0	0.0

n5 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.83	22.88	22.81	24.0	0.0
20	PI/2 BPSK	1	53	22.86	22.90	22.80		
20	PI/2 BPSK	1	104	22.80	22.85	22.77		
20	PI/2 BPSK	50	0	22.35	22.40	22.38	23.5	0.5
20	PI/2 BPSK	50	28	22.72	22.85	22.71	24.0	0.0
20	PI/2 BPSK	50	56	22.25	22.40	22.24	23.5	0.5
20	PI/2 BPSK	100	0	22.45	22.51	22.41		
20	QPSK	1	1	22.98	23.06	23.01		
20	QPSK	1	53	22.84	22.95	22.89	24.0	0.0
20	QPSK	1	104	22.71	22.84	22.79		
20	QPSK	50	0	21.86	21.90	21.75		
20	QPSK	50	28	22.86	22.98	22.90	24.0	0.0
20	QPSK	50	56	21.86	21.93	21.78	23.0	1.0
20	QPSK	100	0	21.90	22.02	21.89		
20	16QAM	1	1	22.11	22.27	22.13		
20	64QAM	1	1	20.29	20.37	20.27	21.5	2.5
20	256QAM	1	1	18.44	18.51	18.37	19.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.89	22.98	22.91	24.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.87	22.95	22.90	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.90	22.92	24.0	0.0



Par270 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	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.91	23.05	22.97	24.0	0.0
100	PI/2 BPSK	1	137	22.80	22.99	22.86		
100	PI/2 BPSK	1	271	22.86	22.91	22.87		
100	PI/2 BPSK	135	0	22.23	22.34	22.27	23.5	0.5
100	PI/2 BPSK	135	69	22.71	22.81	22.74	24.0	0.0
100	PI/2 BPSK	135	138	22.20	22.19	22.13	23.5	0.5
100	PI/2 BPSK	135	198	22.15	22.26	22.18		
100	PI/2 BPSK	270	0	23.09	23.18	23.12		
100	QPSK	1	1	22.91	23.06	23.02	24.0	0.0
100	QPSK	1	137	22.89	23.01	22.89		
100	QPSK	1	271	22.89	23.01	22.89		
100	QPSK	135	0	21.93	22.04	21.95	23.0	1.0
100	QPSK	135	69	22.65	22.78	22.69	24.0	0.0
100	QPSK	135	138	21.69	21.79	21.68	23.0	1.0
100	QPSK	270	0	21.72	21.80	21.73		
100	16QAM	1	1	21.86	21.98	21.92		
100	64QAM	1	1	20.20	20.35	20.27	21.5	2.5
100	256QAM	1	1	18.52	18.66	18.57	19.5	4.5
Channel				648688	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	24.0	0.0
90	QPSK	1	1	22.98	23.04	23.01	24.0	0.0
Channel				648334	650000	662688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	24.0	0.0
80	QPSK	1	1	23.04	23.07	22.99	24.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	24.0	0.0
70	QPSK	1	1	22.97	23.05	23.06	24.0	0.0
Channel				648688	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	24.0	0.0
60	QPSK	1	1	22.94	23.10	22.97	24.0	0.0
Channel				648334	650000	663688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	24.0	0.0
50	QPSK	1	1	22.97	23.05	22.98	24.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	24.0	0.0
40	QPSK	1	1	23.02	23.08	23.05	24.0	0.0
Channel				647688	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	24.0	0.0
30	QPSK	1	1	22.96	23.05	23.08	24.0	0.0
Channel				647334	650000	664688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0
20	QPSK	1	1	23.05	23.14	22.99	24.0	0.0

Part27Q 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				633000	633334	633668		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.30			24.0	0.0
100	PI/2 BPSK	1	137	23.16				
100	PI/2 BPSK	1	271	23.33				
100	PI/2 BPSK	135	0	23.74			23.5	0.5
100	PI/2 BPSK	135	69	23.36			24.0	0.0
100	PI/2 BPSK	135	138	22.73			23.5	0.5
100	PI/2 BPSK	270	0	22.78				
100	QPSK	1	1	23.41				
100	QPSK	1	137	23.26			24.0	0.0
100	QPSK	1	271	23.31				
100	QPSK	135	0	22.19				
100	QPSK	135	69	23.01			24.0	0.0
100	QPSK	135	138	22.11			23.0	1.0
100	QPSK	270	0	22.19				
100	16QAM	1	1	21.81				
100	64QAM	1	1	20.61			21.5	2.5
100	256QAM	1	1	19.08			19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	23.11	23.25	23.19	24.0	0.0
Channel				632688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0
80	QPSK	1	1	23.19	23.36	23.13	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0
70	QPSK	1	1	23.15	23.29	23.14	24.0	0.0
Channel				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0
60	QPSK	1	1	23.11	23.33	23.21	24.0	0.0
Channel				631688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0
50	QPSK	1	1	23.10	23.31	23.12	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0
40	QPSK	1	1	23.18	23.34	23.12	24.0	0.0
Channel				631000	633334	635688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0
30	QPSK	1	1	23.09	23.27	23.10	24.0	0.0
Channel				630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	23.10	23.30	23.13	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			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	23.33			24.0	0.0	
100	PI/2 BPSK	1	137	23.31					
100	PI/2 BPSK	1	271	23.20					
100	PI/2 BPSK	135	0	23.37			24.0	0.0	
100	PI/2 BPSK	135	69	23.25			24.0	0.0	
100	PI/2 BPSK	135	138	23.25					
100	PI/2 BPSK	270	0	23.31			24.0	0.0	
100	QPSK	1	1	23.44					
100	QPSK	1	137	23.35			24.0	0.0	
100	QPSK	1	271	23.23					
100	QPSK	135	0	23.42			24.0	0.0	
100	QPSK	135	69	23.28			24.0	0.0	
100	QPSK	135	138	23.30					
100	QPSK	270	0	23.26			24.0	0.0	
100	16QAM	1	1	23.40			24.0	0.0	
100	64QAM	1	1	23.26			24.0	0.0	
100	256QAM	1	1	21.74			22.5	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	23.22	23.32	23.28	24.0	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	23.22	23.35	23.33	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	23.22	23.38	23.32	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	23.28	23.28	23.30	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	23.19	23.34	23.28	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	23.25	23.29	23.23	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	23.27	23.35	23.25	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	23.26	23.32	23.30	24.0	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	26.51			27.0	0.0	
100	PI/2 BPSK	1	137	26.47					
100	PI/2 BPSK	1	271	26.43					
100	PI/2 BPSK	135	0	26.81			26.5	0.5	
100	PI/2 BPSK	135	69	26.46			27.0	0.0	
100	PI/2 BPSK	135	138	26.78					
100	PI/2 BPSK	270	0	26.83			26.5	0.5	
100	QPSK	1	1	26.53					
100	QPSK	1	137	26.39			27.0	0.0	
100	QPSK	1	271	26.30					
100	QPSK	135	0	26.25			26.0	1.0	
100	QPSK	135	69	26.37			27.0	0.0	
100	QPSK	135	138	24.92					
100	QPSK	270	0	24.99			26.0	1.0	
100	16QAM	1	1	25.17			26.0	1.0	
100	64QAM	1	1	23.82			24.5	2.5	
100	256QAM	1	1	21.89			22.5	4.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	26.29	26.28	26.33	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	26.19	26.32	26.40	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	26.30	26.29	26.42	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	26.27	26.36	26.43	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	26.25	26.40	26.34	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	26.29	26.39	26.37	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	26.19	26.36	26.34	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	26.21	26.30	26.35	27.0	0.0	



Part27Q 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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	23.22			24.0	0.0	
100	PI/2 BPSK	1	137	23.34					
100	PI/2 BPSK	1	271	23.40					
100	PI/2 BPSK	135	0	23.33			24.0	0.0	
100	PI/2 BPSK	135	69	23.30			24.0	0.0	
100	PI/2 BPSK	135	138	23.20					
100	PI/2 BPSK	270	0	23.24			24.0	0.0	
100	QPSK	1	1	23.48					
100	QPSK	1	137	23.33			24.0	0.0	
100	QPSK	1	271	23.34					
100	QPSK	135	0	23.15			24.0	0.0	
100	QPSK	135	69	23.33			24.0	0.0	
100	QPSK	135	138	23.31					
100	QPSK	270	0	23.36			24.0	0.0	
100	16QAM	1	1	22.78			23.0	1.0	
100	64QAM	1	1	21.35			22.0	2.0	
100	256QAM	1	1	19.69			20.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0	
90	QPSK	1	1	23.16	23.29	23.28	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	1	23.23	23.36	23.32	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0	
70	QPSK	1	1	23.16	23.32	23.27	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	1	23.13	23.37	23.28	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	1	23.18	23.30	23.26	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	1	23.23	23.33	23.25	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0	
30	QPSK	1	1	23.16	23.36	23.24	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	1	23.14	23.34	23.33	24.0	0.0	

Part27Q 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				633000	633334	633668				
Frequency (MHz)				3500.01						
100	PI/2 BPSK	1	1	26.30						
100	PI/2 BPSK	1	137	26.32						
100	PI/2 BPSK	1	271	26.34						
100	PI/2 BPSK	135	0	25.89			27.0	0.0		
100	PI/2 BPSK	135	69	26.32			26.5	0.5		
100	PI/2 BPSK	135	138	25.76			27.0	0.0		
100	PI/2 BPSK	270	0	25.82			26.5	0.5		
100	QPSK	1	1	26.36						
100	QPSK	1	137	26.29			27.0	0.0		
100	QPSK	1	271	26.28						
100	QPSK	135	0	25.32			26.0	1.0		
100	QPSK	135	69	26.28			27.0	0.0		
100	QPSK	135	138	25.29			26.0	1.0		
100	QPSK	270	0	25.35						
100	16QAM	1	1	25.35			26.0	1.0		
100	64QAM	1	1	22.81			24.5	2.5		
100	256QAM	1	1	21.44			22.5	4.5		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02	26.18	26.22	26.18	27.0
90	QPSK	1	1	26.14	26.23	26.19	27.0	0.0		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510	26.19	26.23	26.16	27.0
80	QPSK	1	1	26.19	26.23	26.16	27.0	0.0		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01	26.24	26.24	26.19	27.0
70	QPSK	1	1	26.24	26.24	26.19	27.0	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02	26.17	26.17	26.21	27.0
60	QPSK	1	1	26.17	26.17	26.21	27.0	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525	26.19	26.15	26.21	27.0
50	QPSK	1	1	26.19	26.15	26.21	27.0	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01	26.16	26.17	26.22	27.0
40	QPSK	1	1	26.16	26.17	26.22	27.0	0.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02	26.15	26.15	26.22	27.0
30	QPSK	1	1	26.15	26.15	26.22	27.0	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540	26.18	26.22	26.18	27.0
20	QPSK	1	1	26.18	26.22	26.18	27.0	0.0		



Part27O n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.64		23.0	0.0
100	PI/2 BPSK	1	137		21.73			
100	PI/2 BPSK	1	271		21.90			
100	PI/2 BPSK	135	0		21.83		23.0	0.0
100	PI/2 BPSK	135	69		21.77		23.0	0.0
100	PI/2 BPSK	135	138		21.80		23.0	0.0
100	PI/2 BPSK	270	0		21.87			
100	QPSK	1	1		21.80		23.0	0.0
100	QPSK	1	137		21.92			
100	QPSK	1	271		21.64			
100	QPSK	135	0		20.99		22.0	1.0
100	QPSK	135	69		21.86		23.0	0.0
100	QPSK	135	138		20.91		22.0	1.0
100	QPSK	270	0		20.95			
100	16QAM	1	1		21.91		23.0	0.0
100	64QAM	1	1		20.43		21.5	1.5
100	256QAM	1	1		18.48		19.5	3.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		21.85	21.82	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		21.81	21.84	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		21.78	21.84	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		21.76	21.86	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		21.83	21.87	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		21.83	21.88	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		21.78	21.82	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		21.81	21.82	23.0	0.0

Part27Q n78 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.50		23.0	0.0
100	PI/2 BPSK	1	137		21.61			
100	PI/2 BPSK	1	271		21.53			
100	PI/2 BPSK	135	0		21.58		23.0	0.0
100	PI/2 BPSK	135	69		21.51		23.0	0.0
100	PI/2 BPSK	135	138		21.53		23.0	0.0
100	PI/2 BPSK	270	0		21.60			
100	QPSK	1	1		21.66		23.0	0.0
100	QPSK	1	137		21.43			
100	QPSK	1	271		21.17			
100	QPSK	135	0		20.57		22.0	1.0
100	QPSK	135	69		21.57		23.0	0.0
100	QPSK	135	138		20.47		22.0	1.0
100	QPSK	270	0		20.43			
100	16QAM	1	1		21.43		23.0	0.0
100	64QAM	1	1		20.03		21.5	1.5
100	256QAM	1	1		17.99		19.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		21.54	21.58	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		21.49	21.52	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		21.46	21.51	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		21.53	21.62	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		21.51	21.56	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		21.55	21.60	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		21.54	21.57	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		21.56	21.59	23.0	0.0



Part270 n78 Ant3

BW [MHz]	Modulation	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	22.74				
100	PI/2 BPSK	1	137	22.84			24.0	0.0
100	PI/2 BPSK	1	271	22.82				
100	PI/2 BPSK	135	0	22.83			24.0	0.0
100	PI/2 BPSK	135	69	22.81			24.0	0.0
100	PI/2 BPSK	135	138	22.85			24.0	0.0
100	PI/2 BPSK	270	0	22.83				
100	QPSK	1	1	22.88				
100	QPSK	1	137	22.78			24.0	0.0
100	QPSK	1	271	22.80				
100	QPSK	135	0	22.79			24.0	0.0
100	QPSK	135	69	22.86			24.0	0.0
100	QPSK	135	138	22.82			24.0	0.0
100	QPSK	270	0	22.80				
100	16QAM	1	1	22.75			24.0	0.0
100	64QAM	1	1	22.70			24.0	0.0
100	256QAM	1	1	21.32			22.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.69	22.81	22.81	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	22.71	22.78	22.84	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.76	22.86	22.81	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	22.69	22.82	22.82	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	22.76	22.83	22.82	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.69	22.79	22.74	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	22.78	22.85	22.85	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	22.70	22.84	22.77	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	26.24				
100	PI/2 BPSK	1	137	26.32			27.0	0.0
100	PI/2 BPSK	1	271	26.25				
100	PI/2 BPSK	135	0	25.16			26.5	0.5
100	PI/2 BPSK	135	69	26.26			27.0	0.0
100	PI/2 BPSK	135	138	25.11			26.5	0.5
100	PI/2 BPSK	270	0	25.09				
100	QPSK	1	1	26.34				
100	QPSK	1	137	26.18			27.0	0.0
100	QPSK	1	271	26.21				
100	QPSK	135	0	24.83			26.0	1.0
100	QPSK	135	69	26.25			27.0	0.0
100	QPSK	135	138	24.48			26.0	1.0
100	QPSK	270	0	24.71				
100	16QAM	1	1	24.76			26.0	1.0
100	64QAM	1	1	23.02			24.5	2.5
100	256QAM	1	1	21.43			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	26.16	26.23	26.12	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	26.21	26.17	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.16	26.28	26.13	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	26.24	26.32	26.19	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	26.19	26.25	26.11	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.21	26.20	26.12	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	26.19	26.26	26.16	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	26.21	26.24	26.11	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.95			24.0	0.0
100	PI/2 BPSK	1	137	23.11				
100	PI/2 BPSK	1	271	23.05				
100	PI/2 BPSK	135	0	23.03			24.0	0.0
100	PI/2 BPSK	135	69	23.12			24.0	0.0
100	PI/2 BPSK	135	138	23.08			24.0	0.0
100	PI/2 BPSK	270	0	23.13				
100	QPSK	1	1	23.14			24.0	0.0
100	QPSK	1	137	23.08				
100	QPSK	1	271	23.10				
100	QPSK	135	0	22.84			24.0	0.0
100	QPSK	135	69	23.10			24.0	0.0
100	QPSK	135	138	22.45			24.0	0.0
100	QPSK	270	0	22.51				
100	16QAM	1	1	22.68			24.0	0.0
100	64QAM	1	1	22.43			24.0	0.0
100	256QAM	1	1	21.02			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.91	23.06	23.01	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.92	22.96	23.02	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.87	23.07	23.05	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.94	23.03	23.02	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.93	22.96	23.05	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.93	22.97	23.06	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.85	23.05	23.04	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.89	23.04	23.07	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	25.91			27.0	0.0
100	PI/2 BPSK	1	137	25.86				
100	PI/2 BPSK	1	271	25.83				
100	PI/2 BPSK	135	0	25.44			26.5	0.5
100	PI/2 BPSK	135	69	25.85			27.0	0.0
100	PI/2 BPSK	135	138	25.43			26.5	0.5
100	PI/2 BPSK	270	0	25.41				
100	QPSK	1	1	25.96			27.0	0.0
100	QPSK	1	137	25.90				
100	QPSK	1	271	25.85				
100	QPSK	135	0	24.99			26.0	1.0
100	QPSK	135	69	25.88			27.0	0.0
100	QPSK	135	138	24.93			26.0	1.0
100	QPSK	270	0	24.97				
100	16QAM	1	1	24.98			26.0	1.0
100	64QAM	1	1	24.43			24.5	2.5
100	256QAM	1	1	21.21			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.86	25.85	25.90	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.81	25.86	25.83	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.82	25.89	25.85	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.83	25.88	25.89	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.87	25.87	25.91	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.80	25.82	25.88	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.86	25.84	25.88	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.85	25.82	25.91	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	24.45	24.45		25.0	0.0
100	PI/2 BPSK	1	137	24.37				
100	PI/2 BPSK	1	271	24.36				
100	PI/2 BPSK	135	0	24.42				
100	PI/2 BPSK	135	69	24.38				
100	PI/2 BPSK	135	138	24.41				
100	PI/2 BPSK	270	0	24.43				
100	QPSK	1	1	24.58				
100	QPSK	1	137	24.53				
100	QPSK	1	271	24.50				
100	QPSK	135	0	24.39			25.0	0.0
100	QPSK	135	69	24.40			25.0	0.0
100	QPSK	135	138	24.35			25.0	0.0
100	QPSK	270	0	24.47			25.0	0.0
100	16QAM	1	1	24.42			25.0	0.0
100	64QAM	1	1	23.56			24.5	0.5
100	256QAM	1	1	22.10			22.5	2.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	25.0	0.0
90	QPSK	1	1	24.47	24.51	24.45	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	25.0	0.0
80	QPSK	1	1	24.47	24.47	24.44	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	25.0	0.0
70	QPSK	1	1	24.44	24.55	24.43	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	25.0	0.0
60	QPSK	1	1	24.49	24.54	24.46	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	25.0	0.0
50	QPSK	1	1	24.49	24.46	24.40	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	25.0	0.0
40	QPSK	1	1	24.40	24.49	24.39	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	25.0	0.0
30	QPSK	1	1	24.44	24.52	24.44	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	25.0	0.0
20	QPSK	1	1	24.47	24.48	24.44	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.65		25.0	0.0
100	PI/2 BPSK	1	137		24.58			
100	PI/2 BPSK	1	271		24.56			
100	PI/2 BPSK	135	0		24.57			
100	PI/2 BPSK	135	69		24.60			
100	PI/2 BPSK	135	138		24.44			
100	PI/2 BPSK	270	0		24.47			
100	QPSK	1	1		24.29			
100	QPSK	1	137		24.19			
100	QPSK	1	271		24.16			
100	QPSK	135	0		23.34		24.0	1.0
100	QPSK	135	69		24.11		25.0	0.0
100	QPSK	135	138		23.23		24.0	1.0
100	QPSK	270	0		23.28		24.0	1.0
100	16QAM	1	1		23.11		25.0	0.0
100	64QAM	1	1		22.53		24.5	0.5
100	256QAM	1	1		21.18		22.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	25.0	0.0
90	QPSK	1	1	24.37	24.56	24.46	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	25.0	0.0
80	QPSK	1	1	24.45	24.50	24.53	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	25.0	0.0
70	QPSK	1	1	24.42	24.58	24.47	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	25.0	0.0
60	QPSK	1	1	24.44	24.52	24.50	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0
50	QPSK	1	1	24.46	24.61	24.47	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.0	0.0
40	QPSK	1	1	24.46	24.60	24.46	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	25.0	0.0
30	QPSK	1	1	24.38	24.59	24.48	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0
20	QPSK	1	1	24.45	24.62	24.45	25.0	0.0



Reduced Power Mode

n7 hotspot&body&extremity Ant0								
BW [MHz]	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	PI/2 BPSK	1	1	18.82	18.70	18.62	19.5	0.0
40	PI/2 BPSK	1	108	18.64	18.69	18.71		
40	PI/2 BPSK	1	214	18.72	18.65	18.72		
40	PI/2 BPSK	108	0	18.75	18.77	18.71	19.5	0.0
40	PI/2 BPSK	108	54	18.71	18.75	18.57	19.5	0.0
40	PI/2 BPSK	108	108	18.79	18.62	18.53	19.5	0.0
40	PI/2 BPSK	216	0	18.72	18.63	18.54		
40	QPSK	1	1	18.83	18.90	18.76	19.5	0.0
40	QPSK	1	108	18.84	18.81	18.61		
40	QPSK	1	214	18.67	18.73	18.73		
40	QPSK	108	0	18.67	18.84	18.72	19.5	0.0
40	QPSK	108	54	18.73	18.86	18.74	19.5	0.0
40	QPSK	108	108	18.78	18.79	18.64	19.5	0.0
40	QPSK	216	0	18.67	18.81	18.80		
40	16QAM	1	1	18.64	18.70	18.73	19.5	0.0
40	64QAM	1	1	18.84	18.81	18.72	19.5	0.0
40	256QAM	1	1	18.74	18.77	18.67	19.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.83	18.83	18.64	19.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.64	18.90	18.74	19.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.77	18.70	18.62	19.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.73	18.71	18.63	19.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.84	18.88	18.75	19.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.61	18.79	18.64	19.5	0.0



Part270 N78 PC2&PC3 head Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.03				
100	PI/2 BPSK	1	137		18.84		19.5	0.0	
100	PI/2 BPSK	1	271		18.88				
100	PI/2 BPSK	135	0		19.02		19.5	0.0	
100	PI/2 BPSK	135	69		18.82		19.5	0.0	
100	PI/2 BPSK	135	138		18.98		19.5	0.0	
100	PI/2 BPSK	270	0		18.93				
100	QPSK	1	1		19.08				
100	QPSK	1	137		19.00		19.5	0.0	
100	QPSK	1	271		18.97				
100	QPSK	135	0		18.94		19.5	0.0	
100	QPSK	135	69		19.08		19.5	0.0	
100	QPSK	135	138		18.94		19.5	0.0	
100	QPSK	270	0		19.02				
100	16QAM	1	1		18.94		19.5	0.0	
100	64QAM	1	1		18.89		19.5	0.0	
100	256QAM	1	1		19.00		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.57	18.60	18.57	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.53	18.59	18.54	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.54	18.61	18.59	19.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.52	18.58	18.50	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.52	18.55	18.57	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.51	18.52	18.53	19.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.51	18.60	18.57	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.48	18.56	18.58	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.66				
100	PI/2 BPSK	1	137		15.41		16.0	0.0	
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	135	0		15.50		16.0	0.0	
100	PI/2 BPSK	135	69		15.38		16.0	0.0	
100	PI/2 BPSK	135	138		15.45		16.0	0.0	
100	PI/2 BPSK	270	0		15.44				
100	QPSK	1	1		15.64				
100	QPSK	1	137		15.50		16.0	0.0	
100	QPSK	1	271		15.45				
100	QPSK	135	0		15.52		16.0	0.0	
100	QPSK	135	69		15.52		16.0	0.0	
100	QPSK	135	138		15.46		16.0	0.0	
100	QPSK	270	0		15.46				
100	16QAM	1	1		15.48		16.0	0.0	
100	64QAM	1	1		15.39		16.0	0.0	
100	256QAM	1	1		15.46		16.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.01	15.05	15.11	16.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.09	15.14	15.06	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.12	15.11	15.08	16.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.07	15.16	15.08	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.03	15.07	15.03	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.09	15.08	15.05	16.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.04	15.15	15.11	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.02	15.04	15.14	16.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	22.42			23.0	0.0
100	PI/2 BPSK	1	137	22.34				
100	PI/2 BPSK	1	271	22.44				
100	PI/2 BPSK	135	0	22.43			23.0	0.0
100	PI/2 BPSK	135	69	22.33			23.0	0.0
100	PI/2 BPSK	135	138	22.44			23.0	0.0
100	PI/2 BPSK	270	0	22.45				
100	QPSK	1	1	22.51			23.0	0.0
100	QPSK	1	137	22.41				
100	QPSK	1	271	22.48				
100	QPSK	135	0	22.33			23.0	0.0
100	QPSK	135	69	22.44			23.0	0.0
100	QPSK	135	138	22.41			23.0	0.0
100	QPSK	270	0	22.33				
100	16QAM	1	1	22.48			23.0	0.0
100	64QAM	1	1	22.21			21.5	1.5
100	256QAM	1	1	21.89			19.5	3.5
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	22.28	22.24	22.23	23.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.15	22.15	22.18	23.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	22.19	22.23	22.18	23.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	22.18	22.15	22.25	23.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.17	22.25	22.22	23.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.25	22.15	22.25	23.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	22.21	22.14	22.22	23.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	22.22	22.21	22.23	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.11		19.5	0.0
100	PI/2 BPSK	1	137		18.94			
100	PI/2 BPSK	1	271		18.95			
100	PI/2 BPSK	135	0		19.14		19.5	0.0
100	PI/2 BPSK	135	69		18.92		19.5	0.0
100	PI/2 BPSK	135	138		19.03		19.5	0.0
100	PI/2 BPSK	270	0		18.99			
100	QPSK	1	1		19.18		19.5	0.0
100	QPSK	1	137		19.07			
100	QPSK	1	271		18.99			
100	QPSK	135	0		19.03		19.5	0.0
100	QPSK	135	69		19.15		19.5	0.0
100	QPSK	135	138		19.04		19.5	0.0
100	QPSK	270	0		19.12			
100	16QAM	1	1		18.99		19.5	0.0
100	64QAM	1	1		18.99		19.5	0.0
100	256QAM	1	1		19.11		19.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.47	18.53	18.52	19.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	18.52	18.54	18.56	19.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	18.53	18.51	18.56	19.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.55	18.62	18.51	19.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.49	18.57	18.55	19.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.49	18.52	18.53	19.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.47	18.55	18.51	19.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.51	18.61	18.58	19.5	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
100	PI/2 BPSK	1	1	14.94	14.98	15.09	16.0	0.0	
100	PI/2 BPSK	1	137						
100	PI/2 BPSK	1	271						
100	PI/2 BPSK	135	0	15.65			16.0	0.0	
100	PI/2 BPSK	135	69	15.38			16.0	0.0	
100	PI/2 BPSK	135	138	15.58			16.0	0.0	
100	PI/2 BPSK	270	0	15.48			16.0	0.0	
100	QPSK	1	1	15.71			16.0	0.0	
100	QPSK	1	137	15.59					
100	QPSK	1	271	15.50					
100	QPSK	135	0	15.54			16.0	0.0	
100	QPSK	135	69	15.68			16.0	0.0	
100	QPSK	135	138	15.54			16.0	0.0	
100	QPSK	270	0	15.62			16.0	0.0	
100	16QAM	1	1	15.51			16.0	0.0	
100	64QAM	1	1	15.50			16.0	0.0	
100	256QAM	1	1	15.59			16.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
90	QPSK	1	1	14.91	15.02	14.96	16.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
80	QPSK	1	1	15.02	14.98	15.01	16.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
70	QPSK	1	1	14.97	14.97	15.06	16.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
60	QPSK	1	1	14.99	15.04	15.03	16.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
50	QPSK	1	1	14.93	15.08	15.09	16.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
40	QPSK	1	1	14.94	15.08	14.97	16.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
30	QPSK	1	1	14.99	15.10	15.07	16.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
100	PI/2 BPSK	1	1	22.27			23.0	0.0	
100	PI/2 BPSK	1	137	22.24					
100	PI/2 BPSK	1	271	22.33					
100	PI/2 BPSK	135	0	22.31			23.0	0.0	
100	PI/2 BPSK	135	69	22.22			23.0	0.0	
100	PI/2 BPSK	135	138	22.28			23.0	0.0	
100	PI/2 BPSK	270	0	22.30			23.0	0.0	
100	QPSK	1	1	22.40			23.0	0.0	
100	QPSK	1	137	22.34					
100	QPSK	1	271	22.36					
100	QPSK	135	0	22.29			23.0	0.0	
100	QPSK	135	69	22.33			23.0	0.0	
100	QPSK	135	138	22.23			23.0	0.0	
100	QPSK	270	0	22.31			23.0	0.0	
100	16QAM	1	1	22.33			23.0	0.0	
100	64QAM	1	1	22.21			21.5	1.5	
100	256QAM	1	1	21.44			19.5	3.5	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
90	QPSK	1	1	22.19	22.20	22.23	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
80	QPSK	1	1	22.12	22.13	22.17	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
70	QPSK	1	1	22.25	22.15	22.20	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
60	QPSK	1	1	22.20	22.16	22.27	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
50	QPSK	1	1	22.18	22.18	22.13	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
40	QPSK	1	1	22.16	22.20	22.18	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
30	QPSK	1	1	22.15	22.25	22.16	23.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545	(dBm)	(dB)	
20	QPSK	1	1	22.15	22.23	22.19	23.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.74		22.5	0.0	
100	PI/2 BPSK	1	137		21.80				
100	PI/2 BPSK	1	271		21.76				
100	PI/2 BPSK	135	0		21.73		22.5	0.0	
100	PI/2 BPSK	135	69		21.75		22.5	0.0	
100	PI/2 BPSK	135	138		21.73		22.5	0.0	
100	PI/2 BPSK	270	0		21.80				
100	QPSK	1	1		21.82		22.5	0.0	
100	QPSK	1	137		21.68				
100	QPSK	1	271		21.71				
100	QPSK	135	0		21.68		22.5	0.0	
100	QPSK	135	69		21.71		22.5	0.0	
100	QPSK	135	138		21.60		22.5	0.0	
100	QPSK	270	0		21.68				
100	16QAM	1	1		21.68		22.5	0.0	
100	64QAM	1	1		21.65		22.5	0.0	
100	256QAM	1	1		21.61		22.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.43	21.53	21.30	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.50	21.55	21.35	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.41	21.52	21.37	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		21.42	21.49	21.30	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		21.43	21.54	21.31	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.40	21.53	21.32	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.43	21.52	21.34	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.41	21.55	21.34	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.27		22.0	0.0	
100	PI/2 BPSK	1	137		21.32				
100	PI/2 BPSK	1	271		21.24				
100	PI/2 BPSK	135	0		21.23		22.0	0.0	
100	PI/2 BPSK	135	69		21.30		22.0	0.0	
100	PI/2 BPSK	135	138		21.22		22.0	0.0	
100	PI/2 BPSK	270	0		21.34				
100	QPSK	1	1		21.39		22.0	0.0	
100	QPSK	1	137		21.24				
100	QPSK	1	271		21.22				
100	QPSK	135	0		21.24		22.0	0.0	
100	QPSK	135	69		21.25		22.0	0.0	
100	QPSK	135	138		21.08		22.0	0.0	
100	QPSK	270	0		21.17				
100	16QAM	1	1		21.17		22.0	0.0	
100	64QAM	1	1		21.21		22.0	0.0	
100	256QAM	1	1		21.10		22.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.95	21.05	20.84	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.94	21.07	20.87	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		20.93	21.04	20.80	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.92	21.08	20.81	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.99	21.03	20.87	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.94	21.08	20.86	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		20.95	21.04	20.85	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.93	21.09	20.83	22.0	0.0



Part27Q n78 PC2&PC3 head Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.97			22.5	0.0
100	PI/2 BPSK	1	137	22.04				
100	PI/2 BPSK	1	271	21.94				
100	PI/2 BPSK	135	0	21.92			22.5	0.0
100	PI/2 BPSK	135	69	21.98			22.5	0.0
100	PI/2 BPSK	135	138	21.93			22.5	0.0
100	PI/2 BPSK	270	0	22.04				
100	QPSK	1	1	22.05				
100	QPSK	1	137	21.85			22.5	0.0
100	QPSK	1	271	21.89				
100	QPSK	135	0	21.89			22.5	0.0
100	QPSK	135	69	21.91			22.5	0.0
100	QPSK	135	138	21.83			22.5	0.0
100	QPSK	270	0	21.88				
100	16QAM	1	1	21.92			22.5	0.0
100	64QAM	1	1	21.86			22.5	0.0
100	256QAM	1	1	21.80			22.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.91	21.85	21.96	22.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.87	21.79	21.91	22.5	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.91	21.88	21.89	22.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.88	21.78	21.90	22.5	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.85	21.83	21.97	22.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.79	21.86	21.90	22.5	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.81	21.80	21.87	22.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.85	21.91	21.88	22.5	0.0

Part27O n78 PC2&PC3 body&hotspot Ant3

BW [MHz]	Modulation	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	19.37			20.0	0.0
100	PI/2 BPSK	1	137	19.32				
100	PI/2 BPSK	1	271	19.38				
100	PI/2 BPSK	135	0	19.40			20.0	0.0
100	PI/2 BPSK	135	69	19.40			20.0	0.0
100	PI/2 BPSK	135	138	19.33			20.0	0.0
100	PI/2 BPSK	270	0	19.35				
100	QPSK	1	1	19.42				
100	QPSK	1	137	19.40			20.0	0.0
100	QPSK	1	271	19.40				
100	QPSK	135	0	19.32			20.0	0.0
100	QPSK	135	69	19.38			20.0	0.0
100	QPSK	135	138	19.36			20.0	0.0
100	QPSK	270	0	19.35				
100	16QAM	1	1	19.21			20.0	0.0
100	64QAM	1	1	19.19			20.0	0.0
100	256QAM	1	1	19.11			20.0	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.12	19.17	19.14	20.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.18	19.14	19.11	20.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.18	19.15	19.16	20.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.13	19.14	19.14	20.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.12	19.16	19.18	20.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.16	19.19	19.11	20.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.15	19.17	19.12	20.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.17	19.19	19.16	20.0	0.0



Part27Q n78 PC2&PC3 extremity Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.48			22.0	0.0
100	PI/2 BPSK	1	137	21.54				
100	PI/2 BPSK	1	271	21.47				
100	PI/2 BPSK	135	0	21.41			22.0	0.0
100	PI/2 BPSK	135	69	21.46			22.0	0.0
100	PI/2 BPSK	135	138	21.42			22.0	0.0
100	PI/2 BPSK	270	0	21.58				
100	QPSK	1	1	21.52				
100	QPSK	1	137	21.40			22.0	0.0
100	QPSK	1	271	21.39				
100	QPSK	135	0	21.39			22.0	0.0
100	QPSK	135	69	21.42			22.0	0.0
100	QPSK	135	138	21.33			22.0	0.0
100	QPSK	270	0	21.35				
100	16QAM	1	1	21.44			22.0	0.0
100	64QAM	1	1	21.40			22.0	0.0
100	256QAM	1	1	21.32			22.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.40	21.35	21.52	22.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.46	21.40	21.44	22.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.45	21.41	21.49	22.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	21.38	21.38	21.47	22.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	21.47	21.40	21.47	22.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.45	21.39	21.47	22.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	21.46	21.34	21.49	22.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.45	21.41	21.43	22.0	0.0

Part27O n78 PC2&PC3 body&hotspot Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.15			20.0	0.0
100	PI/2 BPSK	1	137	19.17				
100	PI/2 BPSK	1	271	19.22				
100	PI/2 BPSK	135	0	19.19			20.0	0.0
100	PI/2 BPSK	135	69	19.22			20.0	0.0
100	PI/2 BPSK	135	138	19.15			20.0	0.0
100	PI/2 BPSK	270	0	19.16				
100	QPSK	1	1	19.38				
100	QPSK	1	137	19.20			20.0	0.0
100	QPSK	1	271	19.19				
100	QPSK	135	0	19.15			20.0	0.0
100	QPSK	135	69	19.26			20.0	0.0
100	QPSK	135	138	19.12			20.0	0.0
100	QPSK	270	0	19.21				
100	16QAM	1	1	19.05			20.0	0.0
100	64QAM	1	1	19.07			20.0	0.0
100	256QAM	1	1	18.99			20.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.74	18.74	18.71	20.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	18.66	18.75	18.70	20.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	18.65	18.72	18.73	20.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.72	18.70	18.74	20.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.75	18.70	18.74	20.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.70	18.67	18.74	20.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.70	18.72	18.71	20.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.67	18.67	18.66	20.0	0.0



Part270 n78 body&hotspot Ant8									
BW [MHz]	Modulation	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	Pl/2 BPSK	1	1		17.58				
100	Pl/2 BPSK	1	137		17.61		18.0	0.0	
100	Pl/2 BPSK	1	271		17.60				
100	Pl/2 BPSK	135	0		17.51		18.0	0.0	
100	Pl/2 BPSK	135	69		17.52		18.0	0.0	
100	Pl/2 BPSK	135	138		17.63				
100	Pl/2 BPSK	270	0		17.61		18.0	0.0	
100	QPSK	1	1		17.66				
100	QPSK	1	137		17.61		18.0	0.0	
100	QPSK	1	271		17.52				
100	QPSK	135	0		17.57		18.0	0.0	
100	QPSK	135	69		17.59		18.0	0.0	
100	QPSK	135	138		17.53		18.0	0.0	
100	QPSK	270	0		17.57				
100	16QAM	1	1		17.52		18.0	0.0	
100	64QAM	1	1		17.47		18.0	0.0	
100	256QAM	1	1		17.47		18.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		17.46	17.38	17.47	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		17.44	17.42	17.42	19.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		17.50	17.46	17.51	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		17.43	17.44	17.48	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		17.49	17.44	17.50	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.49	17.49	17.49	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		17.44	17.45	17.45	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		17.37	17.47	17.44	19.0	0.0

Part270 n78 extremity Ant8									
BW [MHz]	Modulation	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	Pl/2 BPSK	1	1		21.87				
100	Pl/2 BPSK	1	137		21.73		22.5	0.0	
100	Pl/2 BPSK	1	271		21.74				
100	Pl/2 BPSK	135	0		21.79		22.5	0.0	
100	Pl/2 BPSK	135	69		21.78		22.5	0.0	
100	Pl/2 BPSK	135	138		21.78				
100	Pl/2 BPSK	270	0		21.81		22.5	0.0	
100	QPSK	1	1		21.95				
100	QPSK	1	137		21.94		22.5	0.0	
100	QPSK	1	271		21.94				
100	QPSK	135	0		21.79		22.5	0.0	
100	QPSK	135	69		21.84		22.5	0.0	
100	QPSK	135	138		21.73		22.5	0.0	
100	QPSK	270	0		21.81				
100	16QAM	1	1		21.75		22.5	0.0	
100	64QAM	1	1		21.81		22.5	0.0	
100	256QAM	1	1		21.79		22.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		21.87	21.82	21.41	22.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		21.38	21.30	21.40	22.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		21.87	21.82	21.38	22.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		21.32	21.31	21.35	22.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		21.39	21.32	21.38	22.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		21.38	21.24	21.33	22.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		21.35	21.31	21.35	22.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		21.40	21.24	21.41	22.5	0.0



Part27Q n78 body&hotspot Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	17.68			18.0	0.0	
100	PI/2 BPSK	1	137	17.59					
100	PI/2 BPSK	1	271	17.55					
100	PI/2 BPSK	135	0	17.50			18.0	0.0	
100	PI/2 BPSK	135	69	17.64			18.0	0.0	
100	PI/2 BPSK	135	138	17.39			18.0	0.0	
100	PI/2 BPSK	270	0	17.52					
100	QPSK	1	1	17.42					
100	QPSK	1	137	17.40			18.0	0.0	
100	QPSK	1	271	17.38					
100	QPSK	135	0	17.41			18.0	0.0	
100	QPSK	135	69	17.44			18.0	0.0	
100	QPSK	135	138	17.48			18.0	0.0	
100	QPSK	270	0	17.35					
100	16QAM	1	1	17.32			18.0	0.0	
100	64QAM	1	1	17.22			18.0	0.0	
100	256QAM	1	1	17.20			18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0	
90	QPSK	1	1	17.35	17.35	17.23	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0	
80	QPSK	1	1	17.33	17.35	17.39	18.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0	
70	QPSK	1	1	17.33	17.33	17.38	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0	
60	QPSK	1	1	17.37	17.30	17.29	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	QPSK	1	1	17.32	17.40	17.32	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0	
40	QPSK	1	1	17.25	17.41	17.31	18.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0	
30	QPSK	1	1	17.30	17.30	17.37	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	QPSK	1	1	17.32	17.37	17.42	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.02			22.5	0.0	
100	PI/2 BPSK	1	137	21.94					
100	PI/2 BPSK	1	271	21.97					
100	PI/2 BPSK	135	0	21.92			22.5	0.0	
100	PI/2 BPSK	135	69	22.01			22.5	0.0	
100	PI/2 BPSK	135	138	21.80			22.5	0.0	
100	PI/2 BPSK	270	0	21.89					
100	QPSK	1	1	21.68					
100	QPSK	1	137	21.62			22.5	0.0	
100	QPSK	1	271	21.59					
100	QPSK	135	0	21.55			22.5	0.0	
100	QPSK	135	69	21.47			22.5	0.0	
100	QPSK	135	138	21.87			22.5	0.0	
100	QPSK	270	0	21.81					
100	16QAM	1	1	21.79			22.5	0.0	
100	64QAM	1	1	21.87			22.5	0.0	
100	256QAM	1	1	21.18			22.0	0.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0	
90	QPSK	1	1	21.40	21.44	21.33	22.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0	
80	QPSK	1	1	21.30	21.31	21.30	22.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0	
70	QPSK	1	1	21.27	21.40	21.27	22.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0	
60	QPSK	1	1	21.40	21.32	21.28	22.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	QPSK	1	1	21.30	21.41	21.30	22.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0	
40	QPSK	1	1	21.32	21.33	21.35	22.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0	
30	QPSK	1	1	21.39	21.34	21.24	22.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	QPSK	1	1	21.34	21.41	21.22	22.5	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	12.40	12.34	12.45	13.5	0.0		
100	PI/2 BPSK	1	137	12.17	12.58	12.43				
100	PI/2 BPSK	1	271	12.14	12.42	12.35				
100	PI/2 BPSK	135	0	12.18	12.35	12.60	13.5	0.0		
100	PI/2 BPSK	135	69	12.35	12.38	12.46	13.5	0.0		
100	PI/2 BPSK	135	138	12.54	12.64	12.43	13.5	0.0		
100	PI/2 BPSK	270	0	12.43	12.38	12.48				
100	QPSK	1	1	12.43	12.66	12.41				
100	QPSK	1	137	12.43	12.55	12.29	13.5	0.0		
100	QPSK	1	271	12.61	12.53	12.57				
100	QPSK	135	0	12.40	12.60	12.23				
100	QPSK	135	69	12.62	12.63	12.55	13.5	0.0		
100	QPSK	135	138	12.53	12.61	12.54	13.5	0.0		
100	QPSK	270	0	12.57	12.60	12.52				
100	16QAM	1	1	12.14	12.55	12.42				
100	64QAM	1	1	12.22	12.44	12.47	13.5	0.0		
100	256QAM	1	1	12.32	12.36	12.45	13.5	0.0		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01	13.5	0.0		
90	QPSK	1	1	12.30	12.32	12.40	13.5	0.0		
Channel				649334	656000	662668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02			13.5	0.0
80	QPSK	1	1	12.27	12.37	12.45	13.5	0.0		
Channel				649000	656000	663000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945			13.5	0.0
70	QPSK	1	1	12.30	12.37	12.45	13.5	0.0		
Channel				648668	656000	663334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01			13.5	0.0
60	QPSK	1	1	12.27	12.35	12.45	13.5	0.0		
Channel				648334	656000	663668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02			13.5	0.0
50	QPSK	1	1	12.30	12.33	12.40	13.5	0.0		
Channel				648000	656000	664000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960			13.5	0.0
40	QPSK	1	1	12.34	12.39	12.41	13.5	0.0		
Channel				647668	656000	664334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01			13.5	0.0
30	QPSK	1	1	12.32	12.40	12.49	13.5	0.0		
Channel				647334	656000	664668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02			13.5	0.0
20	QPSK	1	1	12.27	12.40	12.48	13.5	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				650000	656000	662000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	19.60	19.75	19.69	20.5	0.0		
100	PI/2 BPSK	1	137	19.66	19.75	19.70				
100	PI/2 BPSK	1	271	19.66	19.75	19.61				
100	PI/2 BPSK	135	0	19.60	19.76	19.69	20.5	0.0		
100	PI/2 BPSK	135	69	19.60	19.69	19.67	20.5	0.0		
100	PI/2 BPSK	135	138	19.58	19.76	19.68	20.5	0.0		
100	PI/2 BPSK	270	0	19.65	19.71	19.67				
100	QPSK	1	1	19.63	19.79	19.71				
100	QPSK	1	137	19.64	19.73	19.62	20.5	0.0		
100	QPSK	1	271	19.61	19.68	19.61				
100	QPSK	135	0	19.66	19.67	19.66				
100	QPSK	135	69	19.66	19.70	19.65	20.5	0.0		
100	QPSK	135	138	19.65	19.69	19.62	20.5	0.0		
100	QPSK	270	0	19.63	19.69	19.67				
100	16QAM	1	1	19.66	19.67	19.67				
100	64QAM	1	1	19.62	19.59	19.63	20.5	0.0		
100	256QAM	1	1	19.52	19.56	19.57	19.5	1.0		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01	20.5	0.0		
90	QPSK	1	1	19.69	19.66	19.69	20.5	0.0		
Channel				649334	656000	662668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02			20.5	0.0
80	QPSK	1	1	19.68	19.58	19.62	20.5	0.0		
Channel				649000	656000	663000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945			20.5	0.0
70	QPSK	1	1	19.70	19.63	19.62	20.5	0.0		
Channel				648668	656000	663334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01			20.5	0.0
60	QPSK	1	1	19.69	19.67	19.66	20.5	0.0		
Channel				648334	656000	663668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02			20.5	0.0
50	QPSK	1	1	19.71	19.66	19.65	20.5	0.0		
Channel				648000	656000	664000			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960			20.5	0.0
40	QPSK	1	1	19.71	19.58	19.62	20.5	0.0		
Channel				647668	656000	664334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01			20.5	0.0
30	QPSK	1	1	19.65	19.66	19.62	20.5	0.0		
Channel				647334	656000	664668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02			20.5	0.0
20	QPSK	1	1	19.71	19.67	19.60	20.5	0.0		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.03	16.16	16.08	17.0	0.0
100	PI/2 BPSK	1	137	16.02	16.14	16.00		
100	PI/2 BPSK	1	271	16.04	16.05	15.97		
100	PI/2 BPSK	135	0	16.01	16.17	16.11		
100	PI/2 BPSK	135	69	16.06	16.10	15.96		
100	PI/2 BPSK	135	138	15.99	15.99	15.98		
100	PI/2 BPSK	270	0	16.05	16.03	16.00		
100	QPSK	1	1	16.21	16.35	16.32		
100	QPSK	1	137	16.06	16.19	16.08		
100	QPSK	1	271	16.03	16.11	15.96		
100	QPSK	135	0	16.10	16.15	16.11	17.0	0.0
100	QPSK	135	69	15.96	16.19	16.01	17.0	0.0
100	QPSK	135	138	15.96	15.99	15.99	17.0	0.0
100	QPSK	270	0	16.04	16.16	16.14	17.0	0.0
100	16QAM	1	1	15.97	16.17	15.96	17.0	0.0
100	64QAM	1	1	15.95	16.00	16.04	17.0	0.0
100	256QAM	1	1	16.00	16.19	16.12	17.0	0.0
Channel				648868	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	17.0	0.0
90	QPSK	1	1	15.97	16.03	16.04	17.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	17.0	0.0
80	QPSK	1	1	15.98	16.06	15.99	17.0	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	17.0	0.0
70	QPSK	1	1	16.00	16.00	15.99	17.0	0.0
Channel				648868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	17.0	0.0
60	QPSK	1	1	15.93	16.08	15.99	17.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	17.0	0.0
50	QPSK	1	1	15.98	16.04	16.03	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	17.0	0.0
40	QPSK	1	1	15.93	16.02	16.05	17.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	17.0	0.0
30	QPSK	1	1	15.95	15.99	16.01	17.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	17.0	0.0
20	QPSK	1	1	15.97	16.01	16.05	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	12.79	12.79	12.79	13.5	0.0
100	PI/2 BPSK	1	137	12.90	12.90	12.90		
100	PI/2 BPSK	1	271	12.90	12.90	12.90		
100	PI/2 BPSK	135	0	12.85	12.85	12.85		
100	PI/2 BPSK	135	69	12.95	12.95	12.95		
100	PI/2 BPSK	135	138	12.96	12.96	12.96		
100	PI/2 BPSK	270	0	12.96	12.96	12.96		
100	QPSK	1	1	12.76	12.76	12.76		
100	QPSK	1	137	12.95	12.95	12.95		
100	QPSK	1	271	12.84	12.84	12.84		
100	QPSK	135	0	12.77	12.77	12.77	13.5	0.0
100	QPSK	135	69	12.97	12.97	12.97	13.5	0.0
100	QPSK	135	138	12.91	12.91	12.91	13.5	0.0
100	QPSK	270	0	12.96	12.96	12.96	13.5	0.0
100	16QAM	1	1	12.72	12.72	12.72	13.5	0.0
100	64QAM	1	1	12.93	12.93	12.93	13.5	0.0
100	256QAM	1	1	12.76	12.76	12.76	13.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	13.5	0.0
90	QPSK	1	1	13.00	12.84	12.83	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	13.5	0.0
80	QPSK	1	1	12.98	12.83	12.85	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	13.5	0.0
70	QPSK	1	1	12.99	12.86	12.80	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	13.5	0.0
60	QPSK	1	1	12.94	12.83	12.79	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	13.5	0.0
50	QPSK	1	1	12.99	12.92	12.86	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	13.5	0.0
40	QPSK	1	1	12.93	12.85	12.83	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	13.5	0.0
30	QPSK	1	1	13.00	12.92	12.83	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	13.5	0.0
20	QPSK	1	1	12.92	12.92	12.86	13.5	0.0



Part27Q n77 extremity ENDC Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	19.89	633334	3500.01		
100	PI/2 BPSK	1	137	19.90			20.5	0.0
100	PI/2 BPSK	1	271	19.84				
100	PI/2 BPSK	135	0	19.90			20.5	0.0
100	PI/2 BPSK	135	69	19.88			20.5	0.0
100	PI/2 BPSK	135	138	19.91			20.5	0.0
100	PI/2 BPSK	270	0	19.88				
100	QPSK	1	1	19.93				
100	QPSK	1	137	19.91			20.5	0.0
100	QPSK	1	271	19.89				
100	QPSK	135	0	19.70			20.5	0.0
100	QPSK	135	69	19.77			20.5	0.0
100	QPSK	135	138	19.67			20.5	0.0
100	QPSK	270	0	19.76				
100	16QAM	1	1				20.5	0.0
100	64QAM	1	1				20.5	0.0
100	256QAM	1	1				19.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.85	633000	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.59	632668	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.82	632334	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.84	632000	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.60	631668	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.59	631334	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.57	631000	3500.01	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.63	630668	3500.01	20.5	0.0

Part27Q n77 head ENDC Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	16.46	633334	3500.01		
100	PI/2 BPSK	1	137	16.23			17.0	0.0
100	PI/2 BPSK	1	271	16.23				
100	PI/2 BPSK	135	0	16.47			17.0	0.0
100	PI/2 BPSK	135	69	16.25			17.0	0.0
100	PI/2 BPSK	135	138	16.30			17.0	0.0
100	PI/2 BPSK	270	0	16.29				
100	QPSK	1	1	16.57				
100	QPSK	1	137	16.39			17.0	0.0
100	QPSK	1	271	16.32				
100	QPSK	135	0	16.24			17.0	0.0
100	QPSK	135	69	16.40			17.0	0.0
100	QPSK	135	138	16.28			17.0	0.0
100	QPSK	270	0	16.37				
100	16QAM	1	1				17.0	0.0
100	64QAM	1	1				17.0	0.0
100	256QAM	1	1				17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.04	633000	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.98	632668	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.02	632334	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.01	632000	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.03	631668	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.99	631334	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.07	631000	3500.01	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.00	630668	3500.01	17.0	0.0



Part270 N78 PC2&PC3 head ENDC Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.60	16.60	16.60	17.0	0.0
100	PI/2 BPSK	1	137	16.33	16.33	16.33		
100	PI/2 BPSK	1	271	16.37	16.37	16.37		
100	PI/2 BPSK	135	0	16.53	16.53	16.53	17.0	0.0
100	PI/2 BPSK	135	69	16.30	16.30	16.30	17.0	0.0
100	PI/2 BPSK	135	138	16.55	16.55	16.55		
100	PI/2 BPSK	270	0	16.42	16.42	16.42	17.0	0.0
100	QPSK	1	1	16.61	16.61	16.61		
100	QPSK	1	137	16.52	16.52	16.52	17.0	0.0
100	QPSK	1	271	16.47	16.47	16.47		
100	QPSK	135	0	16.42	16.42	16.42	17.0	0.0
100	QPSK	135	69	16.60	16.60	16.60	17.0	0.0
100	QPSK	135	138	16.44	16.44	16.44	17.0	0.0
100	QPSK	270	0	16.59	16.59	16.59		
100	16QAM	1	1	16.44	16.44	16.44	17.0	0.0
100	64QAM	1	1	16.46	16.46	16.46	17.0	0.0
100	256QAM	1	1	16.35	16.35	16.35	17.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	17.0	0.0
90	QPSK	1	1	13.15	13.13	13.03	17.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	17.0	0.0
80	QPSK	1	1	13.08	13.12	13.11	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	17.0	0.0
70	QPSK	1	1	13.12	13.18	13.07	17.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	17.0	0.0
60	QPSK	1	1	13.10	13.14	13.12	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	17.0	0.0
50	QPSK	1	1	13.07	13.15	13.07	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	17.0	0.0
40	QPSK	1	1	13.14	13.10	13.09	17.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	17.0	0.0
30	QPSK	1	1	13.10	13.14	13.12	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	17.0	0.0
20	QPSK	1	1	13.05	13.10	13.14	17.0	0.0

Part270 N78 PC2&PC3 body&hotspot ENDC Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	13.09	13.09	13.09	13.5	0.0
100	PI/2 BPSK	1	137	12.93	12.93	12.93		
100	PI/2 BPSK	1	271	12.95	12.95	12.95		
100	PI/2 BPSK	135	0	12.99	12.99	12.99	13.5	0.0
100	PI/2 BPSK	135	69	12.94	12.94	12.94	13.5	0.0
100	PI/2 BPSK	135	138	12.93	12.93	12.93		
100	PI/2 BPSK	270	0	12.98	12.98	12.98	13.5	0.0
100	QPSK	1	1	13.13	13.13	13.13		
100	QPSK	1	137	13.01	13.01	13.01	13.5	0.0
100	QPSK	1	271	13.01	13.01	13.01		
100	QPSK	135	0	12.95	12.95	12.95	13.5	0.0
100	QPSK	135	69	13.04	13.04	13.04	13.5	0.0
100	QPSK	135	138	13.03	13.03	13.03	13.5	0.0
100	QPSK	270	0	13.02	13.02	13.02		
100	16QAM	1	1	13.03	13.03	13.03	13.5	0.0
100	64QAM	1	1	12.96	12.96	12.96	13.5	0.0
100	256QAM	1	1	12.96	12.96	12.96	13.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	13.5	0.0
90	QPSK	1	1	12.50	12.55	12.66	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	13.5	0.0
80	QPSK	1	1	12.49	12.56	12.82	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	13.5	0.0
70	QPSK	1	1	12.57	12.57	12.90	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	13.5	0.0
60	QPSK	1	1	12.59	12.62	12.68	13.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	13.5	0.0
50	QPSK	1	1	12.58	12.54	12.65	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	13.5	0.0
40	QPSK	1	1	12.59	12.60	12.69	13.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	13.5	0.0
30	QPSK	1	1	12.57	12.55	12.64	13.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	13.5	0.0
20	QPSK	1	1	12.55	12.57	12.60	13.5	0.0



Part27O N78 PC2&PC3 extremity ENDC Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
				3750	3750	3750		
100	PI/2 BPSK	1	1	19.90	19.90	19.90		
100	PI/2 BPSK	1	137	19.92	19.92	19.92	20.5	0.0
100	PI/2 BPSK	1	271	20.01	20.01	20.01		
100	PI/2 BPSK	135	0	19.99	19.99	19.99	20.5	0.0
100	PI/2 BPSK	135	69	19.82	19.82	19.82	20.5	0.0
100	PI/2 BPSK	135	138	19.94	19.94	19.94		
100	PI/2 BPSK	270	0	19.99	19.99	19.99	20.5	0.0
100	QPSK	1	1	20.07	20.07	20.07		
100	QPSK	1	137	19.97	19.97	19.97	20.5	0.0
100	QPSK	1	271	20.05	20.05	20.05		
100	QPSK	135	0	19.82	19.82	19.82	20.5	0.0
100	QPSK	135	69	19.93	19.93	19.93	20.5	0.0
100	QPSK	135	138	19.89	19.89	19.89		
100	QPSK	270	0	19.87	19.87	19.87	20.5	0.0
100	16QAM	1	1	19.77	19.77	19.77	20.5	0.0
100	64QAM	1	1	19.72	19.72	19.72	20.5	0.0
100	256QAM	1	1	19.70	19.70	19.70	20.5	0.0
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
90	QPSK	1	1	19.82	19.72	19.70	20.5	0.0
Channel								
Frequency (MHz)				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3740.01	3750	3760.02		
80	QPSK	1	1	19.80	19.80	19.74	20.5	0.0
Channel								
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
70	QPSK	1	1	19.85	19.74	19.81	20.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
60	QPSK	1	1	19.85	19.81	19.74	20.5	0.0
Channel								
Frequency (MHz)				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3775.02		
50	QPSK	1	1	19.79	19.80	19.75	20.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
40	QPSK	1	1	19.83	19.81	19.74	20.5	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
30	QPSK	1	1	19.77	19.80	19.72	20.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
20	QPSK	1	1	19.82	19.81	19.75	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334	633334	633334		
				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	16.64	16.64	16.64		
100	PI/2 BPSK	1	137	16.47	16.47	16.47	17.0	0.0
100	PI/2 BPSK	1	271	16.49	16.49	16.49		
100	PI/2 BPSK	135	0	16.70	16.70	16.70	17.0	0.0
100	PI/2 BPSK	135	69	16.41	16.41	16.41	17.0	0.0
100	PI/2 BPSK	135	138	16.59	16.59	16.59		
100	PI/2 BPSK	270	0	16.55	16.55	16.55	17.0	0.0
100	QPSK	1	1	16.75	16.75	16.75		
100	QPSK	1	137	16.63	16.63	16.63	17.0	0.0
100	QPSK	1	271	16.51	16.51	16.51		
100	QPSK	135	0	16.56	16.56	16.56	17.0	0.0
100	QPSK	135	69	16.64	16.64	16.64	17.0	0.0
100	QPSK	135	138	16.58	16.58	16.58		
100	QPSK	270	0	16.62	16.62	16.62	17.0	0.0
100	16QAM	1	1	16.52	16.52	16.52	17.0	0.0
100	64QAM	1	1	16.50	16.50	16.50	17.0	0.0
100	256QAM	1	1	16.86	16.86	16.86	17.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	15.99	16.11	16.09	17.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3490.02	3500.01	3510		
80	QPSK	1	1	16.04	16.11	16.03	17.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.02	16.05	16.03	17.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	15.99	16.06	16.01	17.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	16.03	16.08	16.07	17.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.95	16.08	16.04	17.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	16.01	16.11	16.01	17.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	15.96	16.07	16.01	17.0	0.0



Part27Q n78 PC2&PC3 body&hotspot ENDC Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633334	633334	633334			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	13.15	13.15	13.15	13.5	0.0	
100	PI/2 BPSK	1	137	12.99	12.99	12.99	13.5	0.0	
100	PI/2 BPSK	1	271	13.03	13.03	13.03	13.5	0.0	
100	PI/2 BPSK	135	0	13.14	13.14	13.14	13.5	0.0	
100	PI/2 BPSK	135	69	12.93	12.93	12.93	13.5	0.0	
100	PI/2 BPSK	135	138	13.10	13.10	13.10	13.5	0.0	
100	PI/2 BPSK	270	0	13.05	13.05	13.05	13.5	0.0	
100	QPSK	1	1	13.23	13.23	13.23	13.5	0.0	
100	QPSK	1	137	13.17	13.17	13.17	13.5	0.0	
100	QPSK	1	271	12.98	12.98	12.98	13.5	0.0	
100	QPSK	135	0	13.08	13.08	13.08	13.5	0.0	
100	QPSK	135	69	13.18	13.18	13.18	13.5	0.0	
100	QPSK	135	138	13.07	13.07	13.07	13.5	0.0	
100	QPSK	270	0	13.11	13.11	13.11	13.5	0.0	
100	16QAM	1	1	13.03	13.03	13.03	13.5	0.0	
100	64QAM	1	1	13.00	13.00	13.00	13.5	0.0	
100	256QAM	1	1	13.12	13.12	13.12	13.5	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	13.5	0.0	
90	QPSK	1	1	12.45	12.51	12.55	13.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	13.5	0.0	
80	QPSK	1	1	12.44	12.49	12.51	13.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	13.5	0.0	
70	QPSK	1	1	12.49	12.55	12.61	13.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	13.5	0.0	
60	QPSK	1	1	12.52	12.54	12.61	13.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	13.5	0.0	
50	QPSK	1	1	12.44	12.49	12.55	13.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	13.5	0.0	
40	QPSK	1	1	12.49	12.55	12.59	13.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	13.5	0.0	
30	QPSK	1	1	12.49	12.54	12.60	13.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	13.5	0.0	
20	QPSK	1	1	12.49	12.49	12.63	13.5	0.0	

Part27Q n78 PC2&PC3 extremity ENDC Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633334	633334	633334			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	19.80	19.80	19.80	20.5	0.0	
100	PI/2 BPSK	1	137	19.80	19.80	19.80	20.5	0.0	
100	PI/2 BPSK	1	271	19.82	19.82	19.82	20.5	0.0	
100	PI/2 BPSK	135	0	19.88	19.88	19.88	20.5	0.0	
100	PI/2 BPSK	135	69	19.73	19.73	19.73	20.5	0.0	
100	PI/2 BPSK	135	138	19.76	19.76	19.76	20.5	0.0	
100	PI/2 BPSK	270	0	19.85	19.85	19.85	20.5	0.0	
100	QPSK	1	1	19.93	19.93	19.93	20.5	0.0	
100	QPSK	1	137	19.88	19.88	19.88	20.5	0.0	
100	QPSK	1	271	19.86	19.86	19.86	20.5	0.0	
100	QPSK	135	0	19.86	19.86	19.86	20.5	0.0	
100	QPSK	135	69	19.89	19.89	19.89	20.5	0.0	
100	QPSK	135	138	19.79	19.79	19.79	20.5	0.0	
100	QPSK	270	0	19.87	19.87	19.87	20.5	0.0	
100	16QAM	1	1	19.84	19.84	19.84	20.5	0.0	
100	64QAM	1	1	19.78	19.78	19.78	20.5	0.0	
100	256QAM	1	1	19.91	19.91	19.91	20.5	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	13.5	0.0	
90	QPSK	1	1	19.77	19.78	19.78	20.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	13.5	0.0	
80	QPSK	1	1	19.67	19.69	19.79	20.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	13.5	0.0	
70	QPSK	1	1	19.73	19.74	19.76	20.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	13.5	0.0	
60	QPSK	1	1	19.69	19.77	19.81	20.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	13.5	0.0	
50	QPSK	1	1	19.71	19.72	19.79	20.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	13.5	0.0	
40	QPSK	1	1	19.67	19.72	19.73	20.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	13.5	0.0	
30	QPSK	1	1	19.73	19.69	19.72	20.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	13.5	0.0	
20	QPSK	1	1	19.75	19.77	19.72	20.5	0.0	



Conducted Power

Art 6 Full Power Head (Standalone) Body Worn (Standalone) Handheld (Standalone) Handheld (Simultaneous)						Head (Simultaneous)		Body Worn (Simultaneous) Hotspot		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.89	19.50	11.77	13.50	11.39	13.00	99.31
		6	2437	18.97	20.50	11.86	13.50	11.43	13.00	
		11	2462	18.99	20.50	11.85	13.50	11.47	13.00	
	802.11g 6Mbps	1	2412	15.73	17.50	Not Required	13.50	Not Required	13.00	98.27
		6	2437	16.82	20.50	Not Required	13.50	Not Required	13.00	
		11	2462	15.15	16.50	Not Required	13.50	Not Required	13.00	
	802.11n-HT20 MCSO	1	2412	13.10	14.50	Not Required	13.50	Not Required	13.00	97.42
		6	2437	18.67	20.00	Not Required	13.50	Not Required	13.00	
	802.11n-VHT40 MCSO	3	2422	12.09	13.50	Not Required	13.50	Not Required	13.00	94.92
6		2437	15.08	16.50	Not Required	13.50	Not Required	13.00		
9		2452	12.45	14.00	Not Required	13.50	Not Required	13.00		

Art 6 Full Power Head (Standalone) Body Worn (Standalone) Handheld (Standalone) Handheld (Simultaneous)						Head (Simultaneous)		Body Worn (Simultaneous)		Hotspot	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.07	16.50	Not Required	16.50	13.50	12.00	98.96	
		40	5200	17.99	19.50	Not Required	17.00	13.50	12.00		
		44	5220	18.02	19.50	Not Required	17.00	13.50	12.00		
		48	5240	17.90	19.50	Not Required	17.00	13.50	12.00		
		38	5180	14.80	16.00	Not Required	16.00	13.50	12.00		
	802.11n-HT20 MCSO	40	5200	17.80	19.50	Not Required	17.00	13.50	12.00	97.42	
		44	5220	17.99	19.00	Not Required	17.00	13.50	12.00		
		48	5240	17.86	19.50	Not Required	17.00	13.50	12.00		
		38	5180	13.97	15.50	13.97	15.50	Not Required	Not Required		12.00
		46	5230	16.83	18.00	15.77	17.00	Not Required	Not Required		12.00
	802.11ac-VHT20 MCSO	36	5180	14.28	16.00	Not Required	16.00	13.50	12.00	97.42	
		40	5200	16.90	18.50	Not Required	17.00	13.50	12.00		
		44	5220	16.94	18.50	Not Required	17.00	13.50	12.00		
		48	5240	16.96	18.50	Not Required	17.00	13.50	12.00		
	802.11ac-VHT40 MCSO	38	5190	13.75	15.00	Not Required	15.00	13.50	12.00	96.32	
46		5230	16.30	17.50	Not Required	17.00	13.50	12.00			
802.11ac-VHT80 MCSO	42	5210	13.77	15.00	Not Required	15.00	12.12	13.50	10.69	12.00	92.75

Art 6 Full Power Head (Standalone) Body Worn (Standalone) Handheld (Standalone) Handheld (Simultaneous)						Head (Simultaneous)		Body Worn (Simultaneous)			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	52	5280	17.99	19.50	Not Required	17.00	13.50	98.96		
		56	5280	18.07	19.50	Not Required	17.00	13.50			
		60	5300	18.13	19.50	Not Required	17.00	13.50			
		64	5320	18.10	19.50	Not Required	17.00	13.50			
		52	5280	18.00	19.50	Not Required	17.00	13.50			
	802.11n-HT20 MCSO	56	5280	16.05	16.50	Not Required	17.00	13.50	97.42		
		60	5300	18.10	19.50	Not Required	17.00	13.50			
		64	5320	18.03	19.50	Not Required	17.00	13.50			
		54	5270	16.91	18.00	15.89	17.00	Not Required		13.50	
		62	5310	14.47	16.00	14.47	16.00	Not Required		13.50	
	802.11ac-VHT20 MCSO	52	5280	17.00	18.50	Not Required	17.00	13.50	97.42		
		56	5280	17.17	18.50	Not Required	17.00	13.50			
	802.11ac-VHT40 MCSO	60	5300	17.15	18.50	Not Required	17.00	13.50	96.32		
		64	5320	17.35	18.50	Not Required	17.00	13.50			
		54	5270	16.41	17.50	Not Required	17.00	13.50			
62		5310	14.45	16.00	Not Required	16.00	13.50				
802.11ac-VHT80 MCSO	58	5290	13.44	15.00	Not Required	15.00	12.34	13.50	10.69	12.00	92.75

Art 6 Full Power Head (Standalone) Handheld (Standalone) Body Worn (Standalone)						Head (Simultaneous)		Body Worn (Simultaneous)		Handheld (Simultaneous)	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5900	18.17	19.50	Not Required	15.00	12.00	17.64	19.00	98.96
		116	5980	18.21	19.50	Not Required	15.00	12.00	17.72	19.00	
		132	5960	17.94	19.50	Not Required	15.00	12.00	17.58	19.00	
		140	5700	17.51	19.50	Not Required	15.00	12.00	17.02	19.00	
		100	5900	18.13	19.50	Not Required	15.00	12.00	17.00	19.00	
	802.11n-HT20 MCSO	116	5980	18.22	19.50	Not Required	15.00	12.00	17.00	19.00	97.42
		132	5960	17.83	19.50	Not Required	15.00	12.00	17.00	19.00	
		140	5700	17.56	19.50	Not Required	15.00	12.00	17.00	19.00	
		102	5510	17.04	18.00	Not Required	15.00	12.00	17.00	19.00	
		110	5550	17.09	18.00	Not Required	15.00	12.00	17.00	19.00	
	802.11ac-VHT20 MCSO	134	5670	16.74	18.00	Not Required	15.00	12.00	17.00	19.00	97.42
		100	5900	17.33	18.50	Not Required	15.00	12.00	17.00	19.00	
		116	5980	17.36	18.50	Not Required	15.00	12.00	17.00	19.00	
		132	5960	16.89	18.50	Not Required	15.00	12.00	17.00	19.00	
	802.11ac-VHT40 MCSO	140	5700	16.58	18.50	Not Required	15.00	12.00	17.00	19.00	96.32
102		5510	16.65	17.50	Not Required	15.00	12.00	17.00	19.00		
110		5550	16.62	17.50	Not Required	15.00	12.00	17.00	19.00		
134		5670	16.23	17.50	Not Required	15.00	12.00	17.00	19.00		
802.11ac-VHT80 MCSO	106	5530	16.02	17.00	13.62	15.00	10.65	12.00	17.00	19.00	92.75

Art 6 Full Power						Head (Standalone)		Head (Simultaneous)		Body Worn (Standalone) Handheld (Standalone)&(Simultaneous)		Body Worn (Simultaneous) Hotspot	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.93	19.50	Not Required	18.00	12.50	14.00	7.00	98.96		
		157	5785	18.19	19.50	Not Required	18.00	12.50	14.00	7.00			
		165	5825	18.32	19.50	Not Required	18.00	12.50	14.00	7.00			
		149	5745	17.97	19.50	Not Required	18.00	12.50	14.00	7.00			
		157	5785	18.19	19.50	Not Required	18.00	12.50	14.00	7.00			
	802.11n-HT20 MCSO	165	5825	18.22	19.50	Not Required	18.00	12.50	14.00	7.00	97.42		
		157	5785	18.19	19.50	Not Required	18.00	12.50	14.00	7.00			
		149	5745	17.97	19.50	Not Required	18.00	12.50	14.00	7.00			
		151	5755	16.89	18.00	16.86	18.00	Not Required	Not Required	14.00		7.00	
		159	5795	17.14	18.00	16.76	18.00	Not Required	Not Required	14.00		7.00	
	802.11ac-VHT20 MCSO	149	5745	16.97	18.50	Not Required	18.00	12.50	14.00	7.00	97.42		
		157	5785	17.32	18.50	Not Required	18.00	12.50	14.00	7.00			
		165	5825	17.39	18.50	Not Required	18.00	12.50	14.00	7.00			
		151	5755	16.42	17.50	Not Required	17.50	12.50	14.00	7.00			
	802.11ac-VHT40 MCSO	159	5795	16.79	17.50	Not Required	17.50	12.50	14.00	7.00	96.32		
155		5775	16.03	17.00	Not Required	17.00	11.14	12.50	12.77	14.00		5.65	7.00

**BR / EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.49	8.25	8.26
	CH 39	2441	10.13	7.14	6.90
	CH 78	2480	10.20	7.92	7.93
Tune-up Limit			11.5	9	8.5

BT LE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.00
	CH 19	2440	4.08
	CH 39	2480	4.69
Tune-up Limit			5.5

BT LE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.25
	CH 19	2440	4.18
	CH 39	2480	4.71
Tune-up Limit			5.50