

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.69	0.69	0.65	$\pm 10.1 \%$
DCP (mV) ^B	106.9	107.7	105.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	154.0	$\pm 3.5 \%$	$\pm 4.7 \%$
		Y	0.00	0.00	1.00		160.3		
		Z	0.00	0.00	1.00		148.7		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	1.60	60.94	6.36	10.00	60.0	$\pm 2.9 \%$	$\pm 9.6 \%$
		Y	1.62	61.21	6.77		60.0		
		Z	1.63	60.93	6.47		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	0.84	60.00	4.82	6.99	80.0	$\pm 2.6 \%$	$\pm 9.6 \%$
		Y	10.00	72.00	9.00		80.0		
		Z	0.78	60.00	4.77		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	0.48	60.00	3.59	3.98	95.0	$\pm 2.3 \%$	$\pm 9.6 \%$
		Y	8.00	70.00	7.00		95.0		
		Z	0.12	138.94	0.56		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	9.90	158.18	5.42	2.22	120.0	$\pm 1.6 \%$	$\pm 9.6 \%$
		Y	11.35	155.51	7.56		120.0		
		Z	6.16	160.00	17.66		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	0.78	65.29	12.72	1.00	150.0	$\pm 4.6 \%$	$\pm 9.6 \%$
		Y	0.57	62.71	10.79		150.0		
		Z	0.58	63.40	11.91		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	1.49	65.93	14.14	0.00	150.0	$\pm 1.3 \%$	$\pm 9.6 \%$
		Y	1.30	64.46	12.93		150.0		
		Z	1.35	65.38	13.64		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	1.81	65.52	16.23	3.01	150.0	$\pm 0.8 \%$	$\pm 9.6 \%$
		Y	1.81	65.48	16.17		150.0		
		Z	1.71	64.70	16.01		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	2.95	66.28	15.05	0.00	150.0	$\pm 2.4 \%$	$\pm 9.6 \%$
		Y	2.79	65.65	14.57		150.0		
		Z	2.84	66.07	14.93		150.0		
10414-AAA	WLAN CCDF, 64-QAM, 40MHz	X	4.03	65.80	15.24	0.00	150.0	$\pm 4.4 \%$	$\pm 9.6 \%$
		Y	3.85	65.47	14.91		150.0		
		Z	3.84	65.73	15.13		150.0		

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required.

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

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Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	13.4	95.77	32.92	4.43	0.00	4.90	0.68	0.00	1.00
Y	11.6	84.11	33.49	4.96	0.00	4.95	0.70	0.00	1.00
Z	10.6	76.88	33.37	1.03	0.00	4.90	0.47	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-151.1
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3-4 mm for an *Area Scan* job.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

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	10.86	10.86	10.86	0.40	0.85	± 12.0 %
835	41.5	0.90	10.57	10.57	10.57	0.40	0.82	± 12.0 %
900	41.5	0.97	10.29	10.29	10.29	0.37	0.84	± 12.0 %
1750	40.1	1.37	9.22	9.22	9.22	0.25	0.86	± 12.0 %
1900	40.0	1.40	8.80	8.80	8.80	0.20	0.86	± 12.0 %
2000	40.0	1.40	8.64	8.64	8.64	0.24	0.86	± 12.0 %
2300	39.5	1.67	8.47	8.47	8.47	0.24	0.90	± 12.0 %
2450	39.2	1.80	8.29	8.29	8.29	0.23	0.90	± 12.0 %
2600	39.0	1.96	8.02	8.02	8.02	0.19	0.90	± 12.0 %
3300	38.2	2.71	7.63	7.63	7.63	0.30	1.35	± 14.0 %
3500	37.9	2.91	7.55	7.55	7.55	0.30	1.35	± 14.0 %
3700	37.7	3.12	7.50	7.50	7.50	0.30	1.35	± 14.0 %
3900	37.5	3.32	7.20	7.20	7.20	0.40	1.60	± 14.0 %
4100	37.2	3.53	7.13	7.13	7.13	0.40	1.60	± 14.0 %
4200	37.1	3.63	7.07	7.07	7.07	0.40	1.70	± 14.0 %
4400	36.9	3.84	6.86	6.86	6.86	0.40	1.70	± 14.0 %
4600	36.7	4.04	6.70	6.70	6.70	0.40	1.70	± 14.0 %
4800	36.4	4.25	6.45	6.45	6.45	0.40	1.80	± 14.0 %
4950	36.3	4.40	6.19	6.19	6.19	0.40	1.80	± 14.0 %
5250	35.9	4.71	6.07	6.07	6.07	0.40	1.80	± 14.0 %
5600	35.5	5.07	5.30	5.30	5.30	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.49	5.49	5.49	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.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

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	6.05	6.05	6.05	0.20	2.50	± 18.6 %

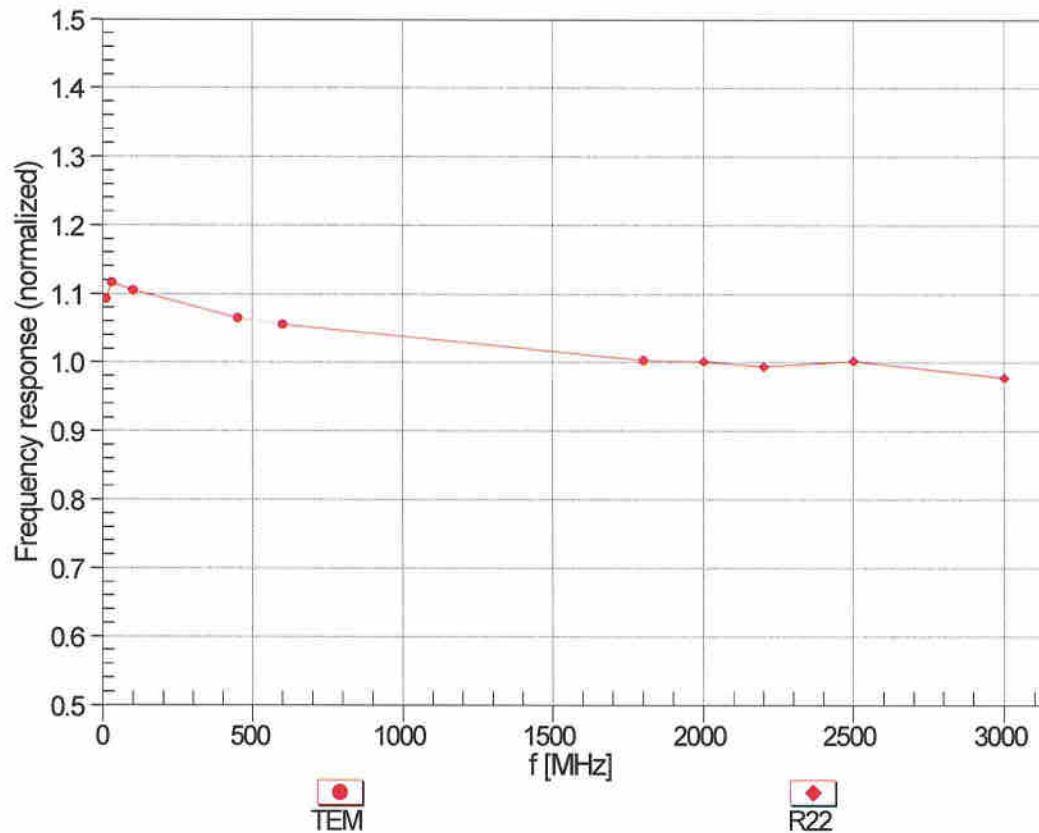
^C Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^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

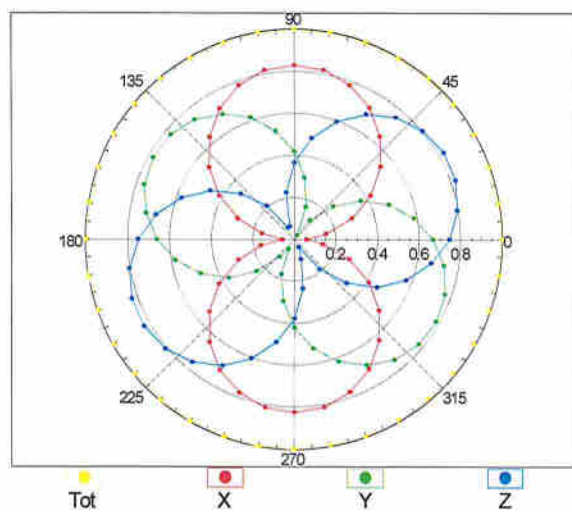
(TEM-Cell:ifi110 EXX, Waveguide: R22)



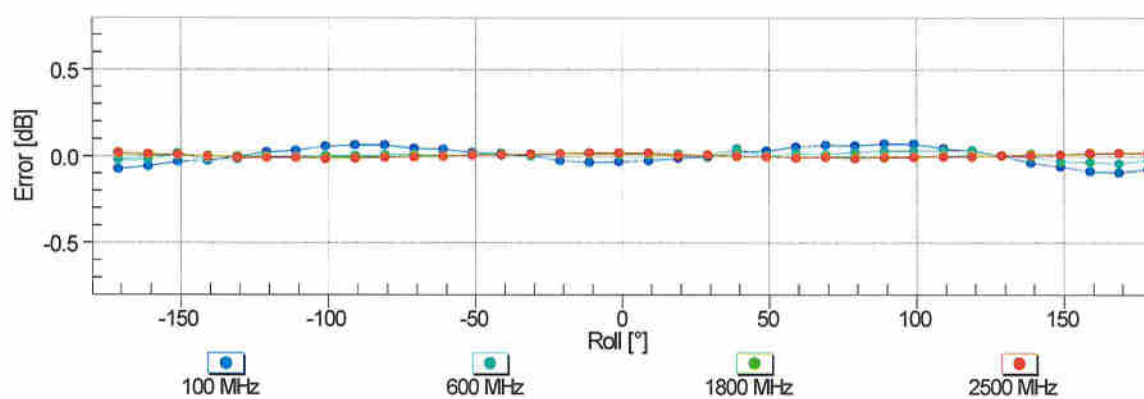
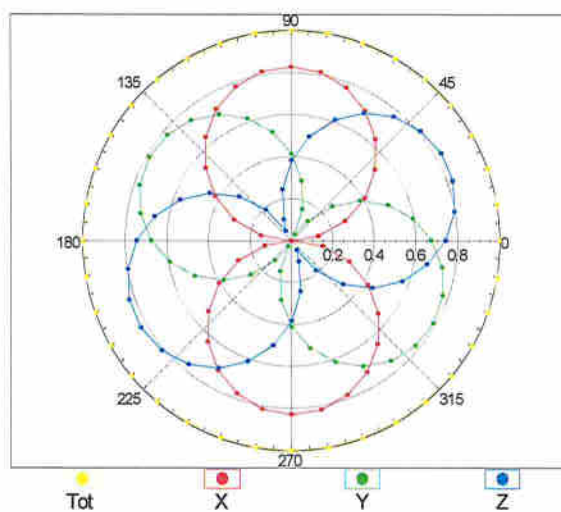
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz, TEM



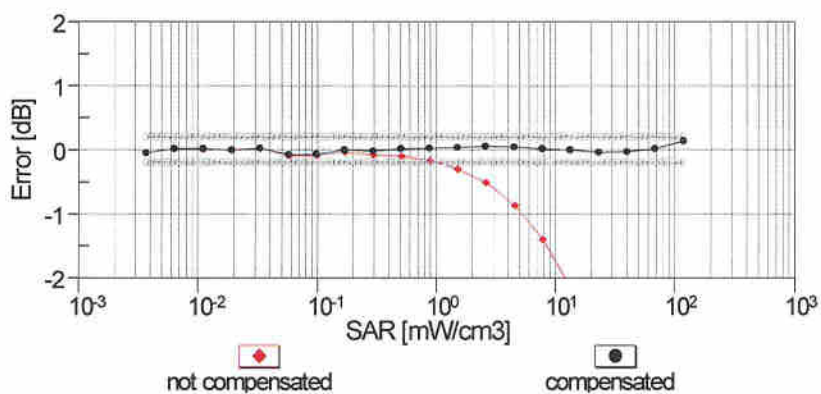
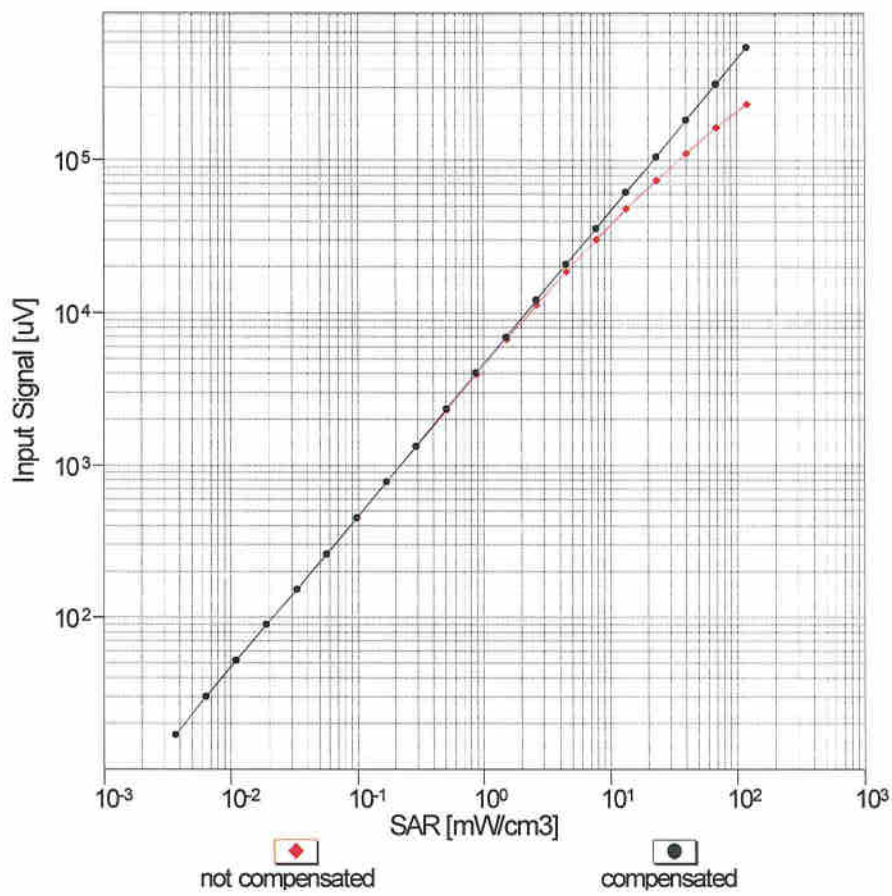
f=1800 MHz, R22



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

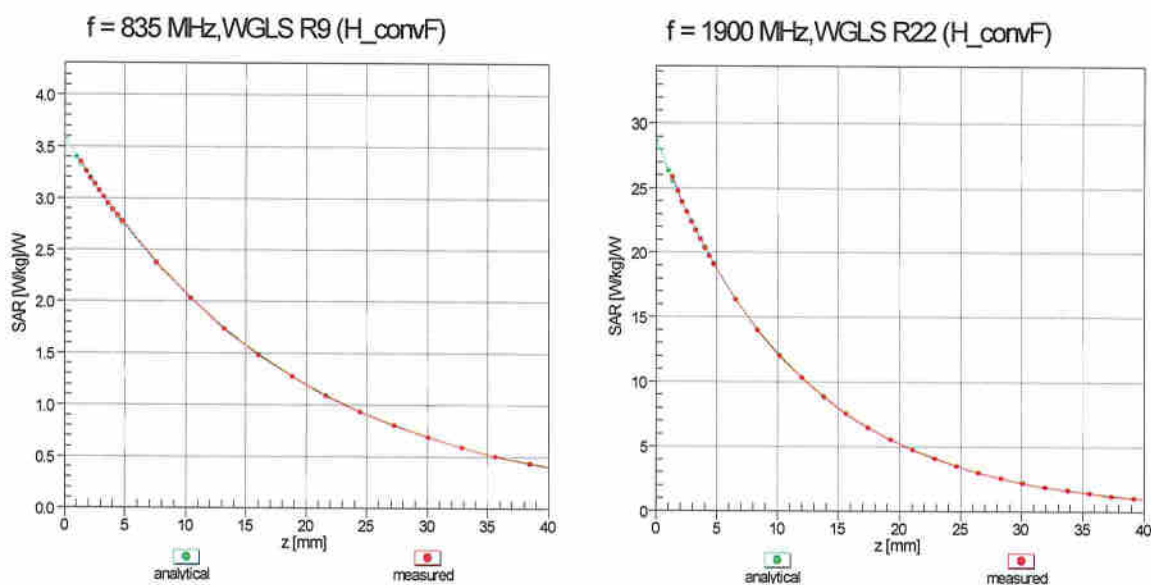
Dynamic Range $f(\text{SAR}_{\text{head}})$

(TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



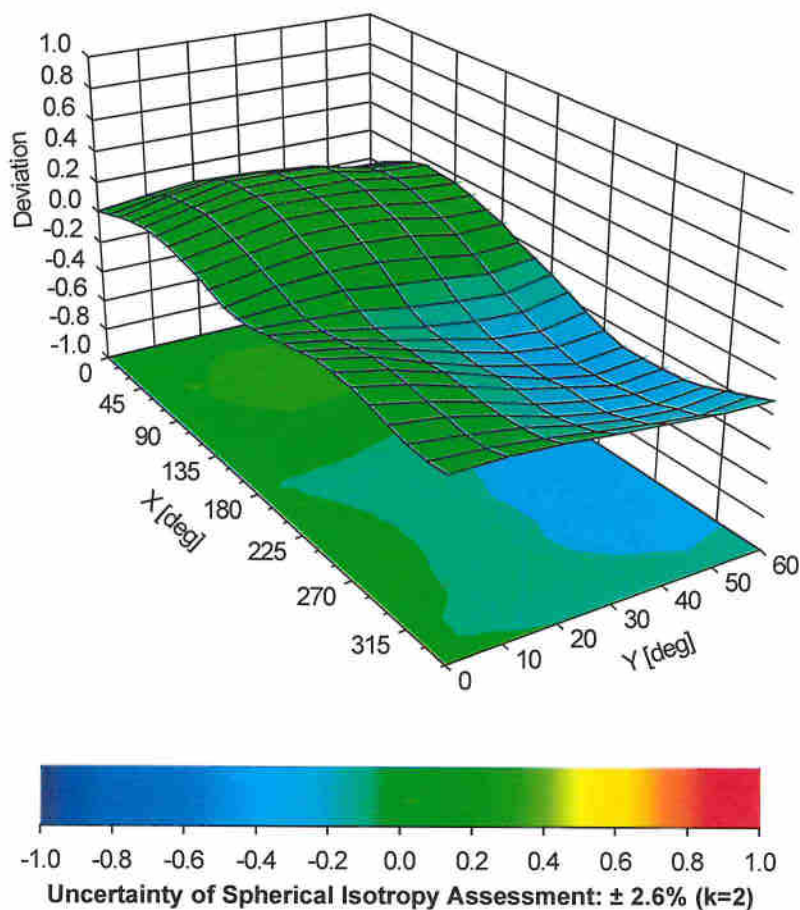
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), $f = 900 \text{ MHz}$



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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	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	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	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	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	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	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	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	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	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	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %

10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	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	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	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	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	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	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	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	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	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	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	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	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	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	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %

10261	CAD	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	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	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	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	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	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	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	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	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	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	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	AAC	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	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	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	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	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	AAC	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	AAD	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	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	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	AAF	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

10489	AAF	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	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	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	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	8.39	± 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	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

10605	AAC	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	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %

10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	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	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	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	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	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	AAE	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	AAD	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	AAD	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	AAD	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	AAD	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	AAD	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	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	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	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	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	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	AAC	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 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 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

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Time-up limit (min)	MPE (dB)	
				Low Ch. Freq.	High Ch. Freq.	High Ch. Freq.			
				Channel					
Frequency (MHz)				26650	21100	23365			
20	QPSK	1	0	22.59	22.78	22.83	24	0	
20	QPSK	1	49	22.71	22.75	22.75			
20	QPSK	1	99	22.83	22.73	22.82			
20	QPSK	50	0	21.73	21.84	21.78			
20	QPSK	50	24	21.75	21.69	21.63	23	1	
20	QPSK	50	50	21.70	21.57	21.62			
20	QPSK	100	0	21.54	21.68	21.58			
20	QPSK	1	0	21.57	21.61	21.48			
20	16QAM	1	49	21.43	21.59	21.51	23	1	
20	16QAM	1	99	21.43	21.59	21.59			
20	16QAM	50	24	20.46	20.57	20.49			
20	16QAM	50	50	20.52	20.49	20.35			
20	16QAM	100	0	20.54	20.56	20.44	22	2	
20	16QAM	1	0	20.44	20.58	20.48			
20	16QAM	1	49	20.42	20.55	20.25			
20	16QAM	50	0	19.50	19.60	19.48			
20	16QAM	50	24	19.43	19.52	19.38	21	3	
20	16QAM	50	50	19.38	19.49	19.39			
20	16QAM	100	0	19.51	19.55	19.45			
20	16QAM	1	0	17.77	18.02	17.71			
20	256QAM	1	49	17.97	17.92	17.57	19	5	
20	256QAM	1	99	17.90	17.82	17.71			
20	256QAM	50	24	17.75	18.03	17.78			
20	256QAM	50	50	17.88	17.94	17.61			
20	256QAM	50	100	17.83	17.80	17.65			
20	256QAM	100	0	17.73	17.80	17.68			
Channel				26655	21100	21375	Time-up limit (min)		
Frequency (MHz)				2507.5	2535	2562.5	MPE (dB)		
15	QPSK	1	0	22.84	22.73	22.44	24	0	
15	QPSK	1	37	22.83	22.68	22.57			
15	QPSK	1	74	22.56	22.60	22.57			
15	QPSK	36	0	21.68	21.76	21.71			
15	QPSK	36	20	21.69	21.60	21.51	23	1	
15	QPSK	36	39	21.66	21.50	21.68			
15	QPSK	75	0	21.40	21.60	21.42			
15	16QAM	1	0	21.48	21.51	21.41			
15	16QAM	1	37	21.35	21.48	21.45	23	1	
15	16QAM	1	74	21.32	21.59	21.51			
15	16QAM	36	0	20.45	20.50	20.40			
15	16QAM	36	20	20.38	20.46	20.40			
15	16QAM	36	39	20.45	20.20	20.27	22	2	
15	16QAM	75	0	20.45	20.52	20.38			
15	16QAM	1	0	20.32	20.43	20.38			
15	16QAM	1	37	20.28	20.51	20.37			
15	16QAM	1	74	20.32	20.36	20.34	22	2	
15	16QAM	36	0	19.45	19.49	19.42			
15	16QAM	36	20	19.31	19.40	19.25			
15	16QAM	36	39	19.35	19.44	19.27			
15	16QAM	75	0	19.38	19.48	19.35	21	3	
15	256QAM	1	0	17.77	18.04	17.84			
15	256QAM	1	37	17.84	17.91	17.86			
15	256QAM	1	74	17.81	17.97	17.79			
15	256QAM	36	0	17.90	18.04	17.84	19	5	
15	256QAM	36	20	17.95	17.94	17.62			
15	256QAM	36	39	17.88	17.88	17.77			
15	256QAM	75	0	17.87	18.05	17.81			
Channel				26660	21100	21480	Time-up limit (min)		
Frequency (MHz)				2565	2535	2595	MPE (dB)		
10	QPSK	1	0	22.82	22.63	22.52	24	0	
10	QPSK	1	26	22.87	22.60	22.59			
10	QPSK	1	49	22.57	22.62	22.53			
10	QPSK	16	0	21.64	21.72	21.73			
10	QPSK	25	12	21.68	21.63	21.54	23	1	
10	QPSK	25	25	21.63	21.52	21.77			
10	QPSK	50	0	21.40	21.57	21.48			
10	16QAM	1	0	21.46	21.50	21.39			
10	16QAM	1	25	21.37	21.53	21.47	23	1	
10	16QAM	1	49	21.36	21.41	21.52			
10	16QAM	25	0	20.49	20.57	20.37			
10	16QAM	25	12	20.34	20.46	20.39			
10	16QAM	25	25	20.48	20.25	20.23	22	2	
10	16QAM	50	0	20.43	20.47	20.33			
10	16QAM	1	0	20.32	20.43	20.35			
10	16QAM	1	25	20.30	20.47	20.43			
10	16QAM	1	49	20.35	20.46	20.39	22	2	
10	16QAM	25	0	19.41	19.52	19.34			
10	16QAM	25	12	19.53	19.43	19.25			
10	16QAM	25	25	19.30	19.38	19.27			
10	16QAM	50	0	19.45	19.50	19.39	21	3	
10	256QAM	1	0	17.90	17.96	17.72			
10	256QAM	1	25	17.87	18.03	17.85			
10	256QAM	1	49	17.78	17.96	17.82			
10	256QAM	25	0	17.86	17.99	17.79	19	5	
10	256QAM	25	12	17.87	18.07	17.89			
10	256QAM	25	25	17.73	17.87	17.76			
10	256QAM	50	0	17.77	17.91	17.75			
Channel				26776	21100	21485	Time-up limit (min)		
Frequency (MHz)				2592.5	2535	2597.5	MPE (dB)		
5	QPSK	1	0	22.44	22.82	22.43	24	0	
5	QPSK	1	12	22.65	22.68	22.68			
5	QPSK	1	24	22.57	22.58	22.50			
5	QPSK	12	0	21.68	21.79	21.67			
5	QPSK	12	7	21.68	21.63	21.48	23	1	
5	QPSK	12	13	21.57	21.44	21.68			
5	QPSK	25	0	21.48	21.55	21.48			
5	16QAM	1	0	21.45	21.56	21.41			
5	16QAM	1	12	21.37	21.46	21.48	23	1	
5	16QAM	1	24	21.31	21.39	21.39			
5	16QAM	12	0	20.41	20.57	20.34			
5	16QAM	12	7	20.33	20.48	20.40			
5	16QAM	12	13	20.43	20.30	20.22	22	2	
5	16QAM	25	0	20.46	20.50	20.35			
5	16QAM	1	0	20.38	20.53	20.29			
5	16QAM	1	12	20.37	20.47	20.46			
5	16QAM	1	24	20.32	20.41	20.38	22	2	
5	16QAM	12	0	19.40	19.51	19.41			
5	16QAM	12	7	19.28	19.38	19.25			
5	16QAM	12	13	19.27	19.33	19.38			
5	16QAM	25	0	19.44	19.43	19.30	21	3	
5	256QAM	1	0	17.79	18.02	17.79			
5	256QAM	1	12	17.79	17.94	17.97			
5	256QAM	1	24	17.88	18.04	17.87			
5	256QAM	12	0	17.81	17.88	17.62	19	5	
5	256QAM	12	7	17.83	17.86	17.86			
5	256QAM	12	13	17.84	17.65	17.84			
5	256QAM	25	0	17.73	18.04	17.75			



Band 38 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
				37650	38050	38150						
20	QPSK	1	0	22.41	22.55	22.53	24	0				
20	QPSK	1	49	22.49	22.53	22.56						
20	QPSK	1	99	22.59	22.56	22.45						
20	QPSK	50	0	21.05	21.05	21.58						
20	QPSK	50	24	21.61	21.48	21.44	23	1				
20	QPSK	50	50	21.54	21.45	21.62						
20	QPSK	100	0	21.33	21.45	21.36						
20	16QAM	1	0	21.39	21.39	21.24						
20	16QAM	1	49	21.23	21.44	21.50	23	1				
20	16QAM	1	99	21.17	21.26	21.21						
20	16QAM	50	0	20.36	20.40	20.33						
20	16QAM	50	24	20.29	20.35	20.29						
20	16QAM	50	50	20.31	20.22	20.18	22	2				
20	16QAM	100	0	20.24	20.45	20.28						
20	16QAM	1	0	20.26	20.35	20.25						
20	16QAM	1	49	20.24	20.38	20.27						
20	16QAM	1	99	20.23	20.35	20.23	22	2				
20	16QAM	50	0	19.36	19.41	19.25						
20	16QAM	50	24	19.22	19.35	19.13						
20	16QAM	50	50	19.13	19.32	19.14						
20	16QAM	100	0	19.28	19.40	19.26	21	3				
20	256QAM	1	0	17.60	17.73	17.56						
20	256QAM	1	49	17.67	17.77	17.63						
20	256QAM	1	99	17.69	17.69	17.69						
20	256QAM	50	0	17.59	17.69	17.62	19	5				
20	256QAM	50	24	17.54	17.84	17.44						
20	256QAM	50	50	17.68	17.72	17.79						
20	256QAM	100	0	17.49	17.86	17.74						
Channel												
				37625	38050	38175						
Frequency (MHz)												
15	QPSK	1	0	22.32	22.45	22.33	24	0				
15	QPSK	1	37	22.39	22.41	22.52						
15	QPSK	1	74	22.29	22.51	22.33						
15	QPSK	36	0	21.48	21.53	21.61						
15	QPSK	36	20	21.51	21.43	21.36	23	1				
15	QPSK	36	56	21.49	21.46	21.51						
15	QPSK	75	0	21.24	21.35	21.21						
15	16QAM	1	0	21.33	21.25	21.08						
15	16QAM	1	37	21.50	21.31	21.15	23	1				
15	16QAM	1	74	21.02	21.14	21.11						
15	16QAM	36	0	20.30	20.31	20.28						
15	16QAM	36	20	20.15	20.30	20.22						
15	16QAM	36	56	20.24	20.18	20.08	22	2				
15	16QAM	75	0	20.18	20.38	20.23						
15	16QAM	36	0	20.19	20.22	20.24						
15	16QAM	1	37	20.16	20.31	20.11						
15	16QAM	1	74	20.14	20.31	20.24	22	2				
15	16QAM	36	0	19.29	19.32	19.29						
15	16QAM	36	20	19.36	19.22	19.03						
15	16QAM	36	56	19.37	19.25	19.25						
15	16QAM	75	0	19.17	19.27	19.15	21	3				
15	256QAM	1	0	17.88	17.90	17.61						
15	256QAM	1	37	17.62	17.76	17.66						
15	256QAM	1	74	17.54	17.72	17.76						
15	256QAM	36	0	17.69	17.79	17.75	19	5				
15	256QAM	36	20	17.67	17.58	17.65						
15	256QAM	36	56	17.62	17.49	17.72						
15	256QAM	75	0	17.50	17.77	17.50						
Channel												
				37600	38050	38100						
Frequency (MHz)												
10	QPSK	1	0	22.33	22.46	22.32	24	0				
10	QPSK	1	25	22.43	22.38	22.46						
10	QPSK	1	49	22.24	22.43	22.35						
10	QPSK	25	0	21.41	21.46	21.51						
10	QPSK	25	12	21.49	21.41	21.31	23	1				
10	QPSK	25	25	21.49	21.27	21.53						
10	QPSK	50	0	21.26	21.40	21.28						
10	16QAM	1	0	21.31	21.24	21.12						
10	16QAM	1	25	21.12	21.33	21.29	23	1				
10	16QAM	1	49	21.08	21.22	21.12						
10	16QAM	25	0	20.23	20.29	20.22						
10	16QAM	25	12	20.22	20.30	20.16						
10	16QAM	25	25	20.21	20.17	20.05	22	2				
10	16QAM	50	0	20.21	20.28	20.15						
10	16QAM	1	0	20.17	20.25	20.23						
10	16QAM	1	25	20.12	20.27	20.15						
10	16QAM	1	49	20.16	20.23	20.24	22	2				
10	16QAM	25	0	19.24	19.29	19.11						
10	16QAM	25	12	19.09	19.21	19.02						
10	16QAM	25	25	19.11	19.26	19.01						
10	16QAM	50	0	19.21	19.29	19.18	21	3				
10	256QAM	1	0	17.56	17.79	17.64						
10	256QAM	1	25	17.59	17.75	17.74						
10	256QAM	1	49	17.67	17.89	17.63						
10	256QAM	25	0	17.78	17.92	17.86	19	5				
10	256QAM	25	12	17.73	17.77	17.68						
10	256QAM	25	25	17.82	17.49	17.57						
10	256QAM	50	0	17.69	17.58	17.48						
Channel												
				37775	38050	38225						
Frequency (MHz)												
5	QPSK	1	0	22.28	22.47	22.28	24	0				
5	QPSK	1	12	22.40	22.47	22.43						
5	QPSK	1	24	22.31	22.46	22.33						
5	QPSK	12	0	21.48	21.59	21.50						
5	QPSK	12	7	21.48	21.43	21.52	23	1				
5	QPSK	12	13	21.49	21.29	21.47						
5	QPSK	25	0	21.24	21.36	21.24						
5	16QAM	1	0	21.34	21.28	21.20						
5	16QAM	1	12	21.11	21.38	21.15	23	1				
5	16QAM	1	24	21.10	21.25	21.05						
5	16QAM	12	0	20.21	20.27	20.20						
5	16QAM	12	7	20.14	20.23	20.17						
5	16QAM	12	13	20.21	20.16	20.03	22	2				
5	16QAM	25	0	20.27	20.29	20.16						
5	16QAM	1	0	20.20	20.23	20.24						
5	16QAM	1	12	20.19	20.25	20.22						
5	16QAM	1	24	20.11	20.24	20.19	21	3				
5	16QAM	12	0	19.23	19.26	19.14						
5	16QAM	12	7	19.11	19.27	19.01						
5	16QAM	12	13	19.22	19.11	19.12						
5	256QAM	1	0	17.54	17.70	17.62	19	5				
5	256QAM	1	12	17.74	17.72	17.76						
5	256QAM	1	24	17.63	17.71	17.69						
5	256QAM	12	0	17.64	17.80	17.79						
5	256QAM	12	7	17.76	17.74	17.80	19	5				
5	256QAM	12	13	17.82	17.53	17.87						
5	256QAM	25	0	17.58	17.52	17.67						
5	256QAM	25	0	17.58	17.52	17.67						

Band 41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up inst (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
				39750	40185	40200	41058	41490	
20	QPSK	1	0	22.52	22.48	22.57	22.43	22.41	22.41
20	QPSK	1	49	22.61	22.49	22.65	22.43	22.35	24
20	QPSK	1	99	22.63	22.42	22.61	22.41	22.42	0
20	QPSK	5	24	21.90	21.98	21.92	21.80	21.80	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91	21.80	21.80	21.44	23
20	QPSK	5	24	21.90	21.91				



Frequency (MHz)	Band			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	TX Channel	824.2	861.4		898.6	129.8	166.9	
GRM 1 Tx Ant								
OPRS 1 Tx Ant	32.83	32.88	32.84	33.50	23.73	23.88	23.94	24.50
OPRS 2 Tx Ant	32.81	32.82	32.81	33.50	23.81	23.90	23.81	24.50
OPRS 3 Tx Ant	31.50	31.57	31.36	32.00	25.50	25.27	25.36	26.00
OPRS 3 Tx Ant	27.75	27.77	27.85	30.00	24.46	24.51	25.19	25.74
OPRS 4 Tx Ant	27.48	27.59	27.72	28.50	24.48	24.59	24.72	25.50
EDGE 1 Tx Ant	26.40	26.75	26.03	27.00	17.40	17.16	17.03	18.00
EDGE 2 Tx Ant	26.04	25.86	25.79	26.50	20.04	19.86	19.79	20.50
EDGE 3 Tx Ant	25.49	25.25	25.09	26.50	21.14	20.59	20.79	21.24
EDGE 4 Tx Ant	25.19	25.09	24.95	24.00	20.19	20.05	19.95	21.00

Frequency (MHz)	Band				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
	812 - 861					810 - 860				
	812	861	810	860		812	861	810	860	
GRM 1 Tx Ant	29.24	29.27	29.18	30.00	20.34	20.27	20.18	21.00		
OPRS 1 Tx Ant	29.29	29.29	29.08	30.00	20.29	20.29	20.08	21.00		
OPRS 2 Tx Ant	25.80	26.04	26.42	26.00	22.80	22.64	22.42	23.00		
OPRS 3 Tx Ant	26.72	26.78	26.83	27.00	22.46	22.52	22.57	22.74		
OPRS 4 Tx Ant	24.68	24.76	24.79	25.50	21.68	21.76	21.79	22.50		
EDGE 1 Tx Ant	24.81	24.86	24.85	25.00	15.81	15.86	15.85	16.00		
EDGE 2 Tx Ant	24.60	24.49	24.52	25.00	15.80	15.45	15.52	16.00		
EDGE 3 Tx Ant	23.31	23.49	23.74	23.50	19.05	18.83	18.88	19.24		
EDGE 4 Tx Ant	21.30	21.00	21.15	21.00	16.30	16.00	16.15	16.50		

Band	Tx Channel	WCMA II_Ant1			Tune-up Limit	WCMA IV_Ant1			Tune-up Limit	WCMA V_Ant1		
		824.2	861.4	898.6		1312	1613	1919		4134	4165	4203
Frequency (MHz)												
SCPP Rel 95	AMR 12.2kops	22.30	22.35	22.24	24.00	22.03	22.36	22.05	24.00	22.16	22.21	
SCPP Rel 95	AMR 12.2kops	22.39	22.42	22.33	24.00	22.19	22.41	22.24	24.00	22.21	22.26	
SCPP Rel 95	HSPA Subnet-1	21.29	21.46	21.08	23.00	21.17	21.27	21.05	23.00	21.09	21.16	
SCPP Rel 95	HSPA Subnet-2	21.07	21.33	21.30	23.00	21.02	21.19	21.14	23.00	21.03	21.09	
SCPP Rel 95	HSPA Subnet-3	20.64	20.71	20.69	22.50	20.60	20.65	20.62	22.50	20.51	20.53	
SCPP Rel 95	HSPA Subnet-4	20.81	20.89	20.84	22.50	20.74	20.78	20.63	22.50	20.62	20.67	
SCPP Rel 95	DC-HSPA Subnet-1	21.39	21.44	21.27	23.00	21.33	21.46	21.11	23.00	21.09	21.14	
SCPP Rel 95	DC-HSPA Subnet-2	21.11	21.30	21.11	23.00	21.00	21.15	21.00	23.00	21.00	21.05	
SCPP Rel 95	DC-HSPA Subnet-3	20.84	20.89	20.86	22.50	20.89	20.74	20.54	22.50	20.54	20.66	
SCPP Rel 95	DC-HSPA Subnet-4	20.64	21.00	20.60	22.50	20.54	20.56	20.50	20.67	20.69	20.80	
SCPP Rel 95	HSPA Subnet-1	21.32	21.39	21.17	23.00	21.21	21.29	21.04	23.00	21.00	21.12	
SCPP Rel 95	HSPA Subnet-2	20.67	20.63	20.44	21.00	20.40	20.38	20.32	21.00	18.40	18.32	
SCPP Rel 95	HSPA Subnet-3	20.34	20.31	20.18	22.00	20.22	20.17	20.10	22.00	20.14	20.11	
SCPP Rel 95	HSPA Subnet-4	19.30	19.18	19.38	21.00	19.24	19.06	19.30	21.00	19.12	19.19	
SCPP Rel 95	HSPA Subnet-5	21.29	21.23	21.21	23.00	21.23	21.19	21.16	23.00	21.19	21.09	
SCPP Rel 7	HSPA V (HSPA) Subnet-1	18.78	18.99	18.62	20.50	18.73	18.87	18.52	20.50	18.60	18.80	



Band 2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power High Ch./Fires	Power High Ch./Fires	Turn-up time (sec)	MPE (dB)	
Channel									
1800 1800 1800									
20	QPSK	1	0	22.21	22.30	22.16			
20	QPSK	12	0	22.12	22.12	22.17	24	0	
20	QPSK	1	99	22.08	22.15	22.05			
20	QPSK	50	0	21.21	21.33	21.22			
20	QPSK	50	24	21.22	21.29	21.18			
20	QPSK	50	50	21.23	21.31	21.15			
20	QPSK	100	0	21.07	21.19	21.09			
20	QPSK	100	0	21.07	21.17	21.09			
20	16QAM	1	49	21.06	21.12	21.01	23	1	
20	16QAM	1	99	21.01	21.14	21.06			
20	16QAM	50	0	20.21	20.36	20.29			
20	16QAM	50	24	20.22	20.32	20.29			
20	16QAM	50	50	20.20	20.36	20.26			
20	16QAM	100	0	20.25	20.37	20.29			
20	64QAM	1	0	20.24	20.34	20.18			
20	64QAM	1	49	20.26	20.39	20.29			
20	64QAM	1	99	20.37	20.45	20.38			
20	64QAM	50	0	19.29	19.40	19.35			
20	64QAM	50	24	19.26	19.33	19.26			
20	64QAM	50	50	19.25	19.38	19.30			
20	64QAM	100	0	19.28	19.38	19.31			
20	256QAM	1	49	17.38	17.46	17.31	19	5	
20	256QAM	1	99	17.16	17.23	17.15			
20	256QAM	50	0	17.25	17.42	17.33			
20	256QAM	50	24	17.32	17.33	17.38			
20	256QAM	50	50	17.40	17.40	17.33			
20	256QAM	100	0	17.19	17.31	17.21			
Channel									
1807.5 1800 1915.5									
15	QPSK	1	0	18.27	18.08	18.02	24	0	
15	QPSK	1	37	22.07	22.10	22.06			
15	QPSK	1	74	22.07	22.10	22.06			
15	QPSK	36	0	21.14	21.19	21.14			
15	QPSK	36	24	21.13	21.19	21.19			
15	QPSK	36	36	21.09	21.24	21.19			
15	QPSK	75	0	21.19	21.07	21.03			
15	QPSK	75	0	21.18	21.13	21.01			
15	16QAM	1	37	21.06	21.04	21.13	23	1	
15	16QAM	1	74	21.06	21.04	21.13			
15	16QAM	36	0	20.13	20.24	20.14			
15	16QAM	36	20	20.17	20.21	20.15			
15	16QAM	36	36	20.16	20.26	20.22			
15	16QAM	75	0	20.13	20.24	20.19			
15	64QAM	1	0	20.14	20.30	20.05			
15	64QAM	1	37	20.11	20.24	20.08			
15	64QAM	1	74	20.25	20.31	20.27			
15	64QAM	36	0	19.17	19.35	19.21			
15	64QAM	36	20	19.16	19.39	19.33			
15	64QAM	36	36	19.11	19.25	19.15			
15	64QAM	75	0	19.14	19.28	19.17			
15	256QAM	1	37	17.17	17.34	17.25	19	5	
15	256QAM	1	74	17.22	17.30	17.22			
15	256QAM	36	0	17.12	17.44	17.31			
15	256QAM	36	20	17.32	17.47	17.23			
15	256QAM	36	39	17.54	17.54	17.37			
15	256QAM	75	0	17.27	17.51	17.36			
Channel									
1805 1800 1915									
10	QPSK	1	0	22.04	22.04	22.04	24	0	
10	QPSK	1	25	22.02	22.10	22.05			
10	QPSK	1	49	22.00	22.01	22.21			
10	QPSK	12	0	21.07	21.07	21.07			
10	QPSK	25	12	21.13	21.17	21.03			
10	QPSK	25	25	21.17	21.21	21.05			
10	QPSK	50	0	21.05	21.05	21.05			
10	QPSK	50	24	21.09	21.08	21.04			
10	16QAM	1	25	21.08	21.08	21.08			
10	16QAM	1	49	21.03	21.03	21.03			
10	16QAM	25	0	20.15	20.20	20.20			
10	16QAM	25	12	20.14	20.20	20.18			
10	16QAM	25	25	20.23	20.28	20.17			
10	16QAM	50	0	20.13	20.33	20.28			
10	16QAM	1	0	20.09	20.25	20.02			
10	64QAM	1	49	20.30	20.37	20.25			
10	64QAM	25	0	19.23	19.35	19.21			
10	64QAM	25	12	19.16	19.16	19.21			
10	64QAM	25	25	19.11	19.34	19.25			
10	64QAM	50	0	19.18	19.21	19.19			
10	256QAM	1	0	17.53	17.55	17.51	19	5	
10	256QAM	1	25	17.27	17.48	17.28			
10	256QAM	1	49	17.31	17.38	17.36			
10	256QAM	1	74	17.46	17.58	17.53			
10	256QAM	25	12	17.32	17.41	17.46			
10	256QAM	25	25	17.36	17.50	17.45			
10	256QAM	50	0	17.37	17.40	17.39			
Channel									
1802.5 1800 1917.5									
5	QPSK	1	0	22.14	22.14	22.14	24	0	
5	QPSK	1	12	22.04	22.07	22.02			
5	QPSK	1	24	22.00	22.06	22.04			
5	QPSK	12	0	21.07	21.07	21.07			
5	QPSK	12	7	21.14	21.23	21.10			
5	QPSK	12	13	21.08	21.19	21.02			
5	QPSK	25	0	21.12	21.06	21.05			
5	QPSK	25	0	21.02	21.05	21.04			
5	16QAM	1	12	21.11	21.17	21.20	23	1	
5	16QAM	1	15	21.08	21.08	21.09			
5	16QAM	12	0	20.07	20.27	20.17			
5	16QAM	12	7	20.26	20.19	20.11			
5	16QAM	25	0	20.25	20.23	20.13			
5	16QAM	25	0	20.17	20.29	20.24			
5	16QAM	1	0	20.14	20.25	20.12			
5	64QAM	1	0	20.29	20.38	20.18			
5	64QAM	1	24	20.23	20.31	20.29			
5	64QAM	12	0	19.14	19.26	19.19			
5	64QAM	12	7	19.17	19.26	19.19			
5	64QAM	12	13	19.18	19.32	19.21			
5	64QAM	25	0	19.13	19.32	19.19			
5	256QAM	1	0	17.29	17.48	17.27	19	5	
5	256QAM	1	12	17.47	17.37	17.24			
5	256QAM	1	24	17.17	17.38	17.26			
5	256QAM	12	0	17.50	17.50	17.50			
5	256QAM	12	7	17.49	17.37	17.30			
5	256QAM	12	13	17.36	17.37	17.24			
5	256QAM	25	0	17.28	17.46	17.33			
Channel									
1801.5 1800 1916.5									
3	QPSK	1	0	22.13	22.19	22.01	24	0	
3	QPSK	1	8	22.17	22.13	22.08			
3	QPSK	1	14	22.01	22.08	22.14			
3	QPSK	8	4	21.11	21.15	21.12			
3	QPSK	8	7	21.07	21.20	21.01			
3	QPSK	12	0	21.10	21.15	21.09			
3	16QAM	1	0	21.01	21.08	21.04			
3	16QAM	1	8	21.09	21.01	21.08			
3	16QAM	1	14	21.18	21.15	21.13			
3	16QAM	8	0	20.08	20.23	20.19			
3	16QAM	8	4	20.06	20.26	20.17			
3	16QAM	8	7	20.25	20.36	20.19			
3	16QAM	15	0	20.15	20.30	20.26			
3	64QAM	1	0	20.10	20.24	20.11			
3	64QAM	1	8	20.14	20.26	20.14			
3	64QAM	1	14	20.29	20.36	20.30			
3	64QAM	8	0	19.24	19.25	19.28			
3	64QAM	8	18	19.18	19.18	19.12			
3	64QAM	8	7	19.15	19.26	19.24			
3	64QAM	15	0	19.14	19.25	19.21			
3	256QAM	1	0	17.28	17.53	17.42			
3	256QAM	1	8	17.41	17.35	17.38			
3	256QAM	8	4	17.40	17.36	17.34			
3	256QAM	8	7	17.45	17.60	17.40			
3	256QAM	8	14	17.33	17.51	17.44			
3	256QAM	15	0	17.38	17.48	17.23			
Channel									
1800.7 1800 1915.3									
1.4	QPSK	1	0	22.06	22.17	22.09	24	0	
1.4	QPSK	1	3	22.18	22.07	22.03			
1.4	QPSK	1	5	22.14	22.10	22.06			
1.4	QPSK	3	0	22.17	22.08	22.01			
1.4	QPSK	3	1	22.02	22.09	22.07			
1.4	QPSK	3	3	22.02	22.08	22.06			
1.4	QPSK	12	0	21.15	21.08	21.14			
1.4	16QAM	1	0	21.03	21.09	21.04			
1.4	16QAM	1	3	21.23	21.08	21.04			
1.4	16QAM	1	5	21.14	21.05	21.11			
1.4	16QAM	3	0	21.03	21.18	21.11			
1.4	16QAM	3	1	21.11	21.01	21.20			
1.4	16QAM	3	3	21.03	21.15	21.04			
1.4	16QAM	12	0	20.15	20.27	20.20			
1.4	16QAM	12	3	20.16	20.28	20.14			
1.4	16QAM	12	5	20.25	20.34	20.21			
1.4	16QAM	3	0	19.20	19.24	19.25			
1.4	16QAM	3	1	19.20	19.26	19.27			
1.4	16QAM	3	3	19.23	19.32	19.21			
1.4	256QAM	1	0	17.27	17.56	17.41			
1.4	256QAM	1	3	17.37	17.38	17.38			

Band 13 Ant1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.67	22.67	22.67	24	0	
10	QPSK	1	25	22.61	22.61	22.61			
10	QPSK	1	49	22.52	22.52	22.52			
10	QPSK	25	0	21.65	21.65	21.65	23	1	
10	QPSK	25	12	21.64	21.64	21.64			
10	QPSK	25	25	21.59	21.59	21.59			
10	QPSK	50	0	21.55	21.55	21.55	23	1	
10	16QAM	1	25	21.42	21.42	21.42			
10	16QAM	1	25	21.30	21.30	21.30			
10	16QAM	49	0	21.20	21.20	21.20	22	2	
10	16QAM	25	0	20.93	20.93	20.93			
10	16QAM	25	12	20.85	20.85	20.85			
10	16QAM	25	25	20.80	20.80	20.80	21	3	
10	16QAM	50	0	20.75	20.75	20.75			
10	16QAM	1	0	20.64	20.64	20.64			
10	256QAM	1	49	20.55	20.55	20.55	19	5	
10	256QAM	25	0	19.74	19.74	19.74			
10	256QAM	25	12	19.63	19.63	19.63			
10	256QAM	25	25	19.55	19.55	19.55	19	5	
10	256QAM	50	0	19.45	19.45	19.45			
10	256QAM	50	0	19.37	19.37	19.37			
10	256QAM	50	0	19.29	19.29	19.29	19	5	
10	256QAM	50	0	19.20	19.20	19.20			
10	256QAM	50	0	19.12	19.12	19.12			

Band 17 Ant1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.69	22.71	22.52	24	0	
10	QPSK	1	25	22.63	22.71	22.52			
10	QPSK	1	49	22.53	22.68	22.42			
10	QPSK	25	0	21.77	21.78	21.69	23	1	
10	QPSK	25	12	21.49	21.67	21.53			
10	QPSK	25	25	21.62	21.70	21.64			
10	QPSK	50	0	21.35	21.67	21.41	23	1	
10	16QAM	1	25	21.48	21.67	21.48			
10	16QAM	1	25	21.50	21.42	21.46			
10	16QAM	1	49	21.53	21.36	21.52	22	2	
10	16QAM	25	0	20.92	20.74	20.90			
10	16QAM	25	12	20.75	20.58	20.59			
10	16QAM	25	25	20.51	20.62	20.74	21	3	
10	16QAM	50	0	20.73	20.79	20.87			
10	16QAM	1	0	20.59	20.59	20.76			
10	16QAM	1	25	20.70	20.63	20.76	22	2	
10	16QAM	1	49	20.68	20.97	21.04			
10	16QAM	25	0	19.73	19.50	19.66			
10	16QAM	25	12	19.63	19.77	19.85	21	3	
10	16QAM	25	25	19.58	19.65	19.62			
10	16QAM	50	0	19.87	19.82	19.76			
10	256QAM	1	25	17.76	17.67	17.73	19	5	
10	256QAM	1	49	17.70	17.80	17.67			
10	256QAM	25	0	17.56	17.69	17.52			
10	256QAM	25	12	17.78	17.74	17.66	19	5	
10	256QAM	25	25	17.66	17.84	17.61			
10	256QAM	50	0	17.40	17.67	17.22			

Band 26 Ant1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.44	22.51	22.34	24	0	
15	QPSK	1	37	22.31	22.31	22.31			
15	QPSK	1	74	22.37	22.43	22.42			
15	QPSK	36	0	21.43	21.44	21.31	23	1	
15	QPSK	36	20	21.28	21.33	21.30			
15	QPSK	36	39	21.24	21.25	21.26			
15	QPSK	75	0	21.17	21.31	21.54	23	1	
15	16QAM	1	0	21.38	21.41	21.29			
15	16QAM	1	37	21.32	21.26	21.26			
15	16QAM	1	74	21.30	21.29	21.32	22	2	
15	16QAM	36	0	20.98	20.92	20.94			
15	16QAM	36	20	20.58	20.67	20.58			
15	16QAM	36	59	20.62	20.67	20.66	21	3	
15	16QAM	75	0	20.51	20.65	20.62			
15	16QAM	1	0	20.44	20.54	20.51			
15	16QAM	1	27	20.45	20.33	20.38	22	2	
15	16QAM	1	74	20.43	20.40	20.31			
15	16QAM	36	0	19.35	19.56	19.50			
15	16QAM	36	20	19.29	19.41	19.46	21	3	
15	16QAM	36	59	19.35	19.55	19.55			
15	16QAM	75	0	19.52	19.52	19.47			
15	256QAM	1	0	17.68	17.74	17.67	19	5	
15	256QAM	1	37	17.64	17.48	17.64			
15	256QAM	1	74	17.65	17.62	17.74			
15	256QAM	36	0	17.55	17.55	17.58	19	5	
15	256QAM	36	20	17.44	17.43	17.64			
15	256QAM	36	59	17.49	17.54	17.52			
15	256QAM	75	0	17.40	17.47	17.32	19	5	
15	256QAM	1	0	17.37	17.42	17.38			
15	256QAM	1	25	17.34	17.42	17.13			

Channel									
Frequency (MHz)									
15	QPSK	1	0	22.40	22.42	22.28	24	0	
10	QPSK	1	25	22.31	22.22	22.30			
10	QPSK	1	49	22.28	22.30	22.27			
10	QPSK	25	0	21.31	21.33	21.24	23	1	
10	QPSK	25	12	21.11	21.21	21.20			
10	QPSK	25	25	21.11	21.17	21.14			
10	QPSK	50	0	21.07	21.06	21.16	23	1	
10	16QAM	1	25	21.08	21.36	21.08			
10	16QAM	1	25	21.08	21.36	21.08			
10	16QAM	1	25	21.11	21.17	21.13	23	1	
10	16QAM	1	25	20.84	20.38	20.32			
10	16QAM	25	12	20.47	20.55	20.49	22	2	
10	16QAM	25	25	20.31	20.40	20.35			
10	16QAM	50	0	20.43	20.55	20.58			
10	16QAM	1	0	20.37	20.50	20.35	22	2	
10	16QAM	1	25	20.31	20.51	20.31			
10	16QAM	1	49	20.31	20.31	20.15			
10	16QAM	25	0	19.19	19.46	19.38	21	3	
10	16QAM	25	12	19.14	19.38	19.38			
10	16QAM	25	25	19.27	19.45	19.21			
10	16QAM	50	0	19.48	19.42	19.38	19	5	
10	256QAM	1	25	17.54	17.52	17.42			
10	256QAM	1	49	17.59	17.66	17.58			
10	256QAM	1	0	17.65	17.77	17.65	19	5	
10	256QAM	25	12	17.52	17.59	17.52			
10	256QAM	25	25	17.49	17.55	17.52			
10	256QAM	50	0	17.27	17.42	17.35	19	5	
10	256QAM	1	0	17.27	17.42	17.35			
10	256QAM	1	25	17.27	17.42	17.35			

Channel									
Frequency (MHz)									
				26697	26695	27033	Turnover	MFR	
1	QPSK	1	0	22.34	22.26	22.26	24	0	
1	QPSK	1	8	22.38	22.26	22.16			
1	QPSK	1	16	22.13	22.30	22.30			
1	QPSK	1	24	22.13	22.30	22.16			
1	QPSK	3	0	22.05	22.38	22.16			
1	QPSK	3	8	22.00	22.37	22.17			
1	QPSK	3	16	21.13	21.42	21.10			
1	QPSK	3	24	21.13	21.42	21.10			
1	QPSK	3	32	21.13	21.42	21.10			
1	QPSK	3	40	21.13	21.42	21.10			
1	QPSK	3	48	21.13	21.42	21.10			
1	QPSK	3	56	21.13	21.42	21.10			
1	QPSK	3	64	21.13	21.42	21.10			
1	QPSK	3	72	21.13	21.42	21.10			
1	QPSK	3	80	21.13	21.42	21.10			
1	QPSK	3	88	21.13	21.42	21.10			
1	QPSK	3	96	21.13	21.42	21.10			
1	QPSK	3	104	21.13	21.42	21.10			
1	QPSK	3	112	21.13	21.42	21.10			
1	QPSK	3	120	21.13	21.42	21.10			
1	QPSK	3	128	21.13	21.42	21.10			
1	QPSK	3	136	21.13	21.42	21.10			
1	QPSK	3	144	21.13	21.42	21.10			
1	QPSK	3	152	21.13	21.42	21.10			
1	QPSK	3	160	21.13	21.42	21.10			
1	QPSK	3	168	21.13	21.42	21.10			
1	QPSK	3	176	21.13	21.42	21.10			
1	QPSK	3	184	21.13	21.42	21.10			
1	QPSK	3	192	21.13	21.42	21.10			
1	QPSK	3	200	21.13	21.42	21.10			
1	QPSK	3	208	21.13	21.42	21.10			
1	QPSK	3	216	21.13	21.42	21.10			
1	QPSK	3	224	21.13	21.42	21.10			
1	QPSK	3	232	21.13	21.42	21.10			
1	QPSK	3	240	21.13	21.42	21.10			
1	QPSK	3	248	21.13	21.42	21.10			
1	QPSK	3	256	21.13	21.42	21.10			
1	QPSK	3	264	21.13	21.42	21.10			
1	QPSK	3	272	21.13	21.42	21.10			
1	QPSK	3	280	21.13	21.42	21.10			
1	QPSK	3	288	21.13	21.42	21.10			
1	QPSK	3	296	21.13	21.42	21.10			
1	QPSK	3	304	21.13	21.42	21.10			
1	QPSK	3	312	21.13	21.42	21.10			
1	QPSK	3	320	21.13	21.42	21.10			
1	QPSK	3	328	21.13	21.42	21.10			
1	QPSK	3	336	21.13	21.42	21.10			
1	QPSK	3	344	21.13	21.42	21.10			
1	QPSK	3	352	21.13	21.42	21.10			
1	QPSK	3	360	21.13	21.42	21.10			
1	QPSK	3	368	21.13	21.42	21.10			
1	QPSK	3	376	21.13	21.42	21.10			
1	QPSK	3	384	21.13	21.42	21.10			
1	QPSK	3	392	21.13	21.42	21.10			
1	QPSK	3	400	21.13	21.42	21.10			
1	QPSK	3	408	21.13	21.42	21.10			
1	QPSK	3	416	21.13	21.42	21.10			
1	QPSK	3	424	21.13	21.42	21.10			
1	QPSK	3	432	21.13	21.42	21.10			
1	QPSK	3	440	21.13	21.42	21.10			
1	QPSK	3	448	21.13	21.42	21.10			
1	QPSK	3	456	21.13	21.42	21.10			
1	QPSK	3	464	21.13	21.42	21.10			
1	QPSK	3	472	21.13	21.42	21.10			
1	QPSK	3	480	21.13	21.42	21.10			
1	QPSK	3	488	21.13	21.42	21.10			
1	QPSK	3	496	21.13	21.42	21.10			
1	QPSK	3	504	21.13	21.42	21.10			
1	QPSK	3	512	21.13	21.42	21.10			
1	QPSK	3	520	21.13	21.42	21.10			
1	QPSK	3	528	21.13	21.42	21.10			
1	QPSK	3	536	21.13	21.42	21.10			
1	QPSK	3	544	21.13	21.42	21.10			
1	QPSK	3	552	21.13	21.42	21.10			
1	QPSK	3	560	21.13	21.42	21.10			
1	QPSK	3	568	21.13	21.42	21.10			
1	QPSK	3	576	21.13	21.42	21.10			
1	QPSK	3	584	21.13	21.42	21.10			
1	QPSK	3	592	21.13	21.42	21.10			
1	QPSK	3	600	21.13	21.42	21.10			
1	QPSK	3	608	21.13	21.42	21.10			
1	QPSK	3	616	21.13	21.42	21.10			
1	QPSK	3	624	21.13	21.42	21.10			
1	QPSK	3	632	21.13	21.42	21.10			
1	QPSK	3	640	21.13	21.42	21.10			
1	QPSK	3	648	21.13	21.42	21.10			
1	QPSK	3	656	21.13	21.42	21.10			
1	QPSK	3	664	21.13	21.42	21.10			
1	QPSK	3	672	21.13	21.42	21.10			
1	QPSK	3	680	21.13	21.42	21.10			
1	QPSK	3	688	21.13	21.42	21.10			
1	QPSK	3	696	21.13	21.42	21.10			
1	QPSK	3	704	21.13	21.42	21.10			
1	QPSK	3	712	21.13	21.42	21.10			
1	QPSK	3	720	21.13	21.42	21.10			
1	QPSK	3	728	21.13	21.42	21.10			
1	QPSK	3	736	21.13	21.42	21.10			
1	QPSK	3	744	21.13	21.42	21.10			
1	QPSK	3	752	21.13	21.42	21.10			
1	QPSK	3	760	21.13	21.42	21.10			
1	QPSK	3	768	21.13	21.42	21.10			
1	QPSK	3	776	21.13	21.42	21.10			
1	QPSK	3	784	21.13	21.42	21.10			
1	QPSK	3	792	21.13	21.42	21.10			
1	QPSK	3	800	21.13	21.42	21.10			
1	QPSK	3	808	21.13	21.42	21.10			
1	QPSK	3	816	21.13	21.42	21.10			
1	QPSK	3	824	21.13	21.42	21.10			
1	QPSK	3	832	21.13	21.42	21.10			
1	QPSK	3	840	21.13	21.42	21.10			
1	QPSK	3	848	21.13	21.42	21.10			
1	QPSK	3	856	21.13	21.42	21.10			
1	QPSK	3	864	21.13	21.42	21.10			
1	QPSK	3	872	21.13	21.42	21.10			
1	QPSK	3	880	21.13	21.42	21.10			
1	QPSK	3	888	21.13	21.42	21.10			
1	QPSK	3	896	21.13	21.42	21.10			
1	QPSK	3	904	21.13	21.42	21.10			
1	QPSK	3	912	21.13	21.42	21.10			
1	QPSK	3	920	21.13	21.42	21.10			
1	QPSK	3	928	21.13	21.42	21.10			
1	QPSK	3	936	21.13	21.42	21.10			
1	QPSK	3	944	21.13	21.42	21.10			
1	QPSK	3	952	21.13	21.42	21.10			
1	QPSK	3	960	21.13	21.42	21.10			
1	QPSK	3	968	21.13	21.42	21.10			
1	QPSK	3	976	21.13	21.42	21.10			
1	QPSK	3	984	21.13	21.42	21.10			
1	QPSK	3	992	21.13	21.42	21.10			
1	QPSK	3	1000	21.13	21.42	21.10			
1	QPSK	3	1008	21.13	21.42	21.10			
1	QPSK	3	1016	21.13	21.42	21.10			
1	QPSK	3	1024	21.13	21.42	21.10			
1	QPSK	3	1032	21.13	21.42	21.10			
1	QPSK	3	1040	21.13	21.42	21.10			
1	QPSK	3	1048	21.13	21.42	21.10			
1	QPSK	3	1056	21.13	21.42	21.10			
1	QPSK	3	1064	21.13	21.42	21.10			
1	QPSK	3	1072	21.13	21.42	21.10			
1	QPSK	3	1080	21.13	21.42	21.10			
1	QPSK	3	1088	21.13	21.42	21.10			
1	QPSK	3	1096	21.13	21.42	21.10			
1	QPSK	3	1104	21.13	21.42	21.10			
1	QPSK	3	1112	21.13	21.42	21.10			
1	QPSK	3	1120	21.13	21.42	21.10			
1	QPSK	3	1128	21.13	21.42	21.10			
1	QPSK	3	1136	21.13	21.42	21.10			
1	QPSK	3	1144	21.13	21.42	21.10			
1	QPSK	3	1152	21.13	21.42	21.10			
1	QPSK	3	1160	21.13	21.42	21.10			
1	QPSK	3	1168	21.13	21.42	21.10			
1	QPSK	3	1176	21.13	21.42	21.10			
1	QPSK	3	1184	21.13	21.42	21.10			
1	QPSK	3	1192	21.13	21.42	21.10			
1	QPSK	3	1200	21.13	21.42	21.10			
1	QPSK	3	1208	21.13	21.42	21.10			
1	QPSK	3	1216	21.13	21.42	21.10			
1	QPSK	3	1224	21.13	21.42	21.10			
1	QPSK	3	1232	21.13	21.42	21.10			
1	QPSK	3	1240	21.13	21.42	21.10			
1	QPSK	3	1248	21.13	21.42	21.10			
1	QPSK	3	1256	21.13	21.42	21.10			
1	QPSK	3	1264	21.13	21.42	21.10			
1	QPSK	3	1272	21.13	21.42	21.10			
1	QPSK	3	1280	21.13	21.42	21.10			
1	QPSK	3	1288	21.13	21.42	21.10			
1	QPSK	3	1296	21.13	21.42	21.10			
1	QPSK	3	1304	21.13	21.42	21.10			
1	QPSK	3	1312	21.13	21.42	21.10			
1	QPSK	3	1320	21.13	21.42	21.10			
1	QPSK	3	1328	21.13	21.42	21.10			
1	QPSK	3	1336	21.13	21.42	21.10			
1	QPSK	3	1344	21.13	21.42	21.10			
1	QPSK	3	1352	21.13	21.42	21.10			
1	QPSK	3	1360	21.13	21.42	21.10			
1	QPSK	3	1368	21.13	21.42	21.10			
1	QPSK	3	1376	21.13	21.42	21.10			
1	QPSK	3	1384	21.13	21.42	21.10			
1	QPSK	3	1392	21.13	21.42	21.10			
1	QPSK	3	1400	21.13	21.42	21.10			
1	QPSK	3	1408	21.13	21.42	21.10			
1	QPSK	3	1416	21.13	21.42	21.10			
1	QPSK	3	1424	21.13	21.42	21.10			
1	QPSK	3	1432	21.13	21.42	21.10			
1	QPSK	3	1440	21.13	21.42	21.10			
1	QPSK	3	1448	21.13	21.42	21.10			
1	QPSK	3	1456	21.13	21.42	21.10			
1	QPSK	3	1464	21.13	21.42	21.10			
1	QPSK	3	1472	21.13	21.42	21.10			
1	QPSK	3	1480	21.13	21.42	21.10			
1	QPSK	3	1488	21.13	21.42	21.10			
1	QPSK	3	1496	21.13	21.42	21.10			
1	QPSK	3	1504	21.13	21.42	21.10			
1	QPSK	3	1512	21.13	21.42	21.10			
1	QPSK	3	1520	21.13	21.42	21.10			
1	QPSK	3	1528	21.13	21.42	21.10			
1	QPSK	3	1536	21.13	21.42	21.10			



Band 42 FCC Part27Q Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3465	3500	3535			
20	QPSK	1	0	23.26	23.37	23.28	24	0	
20	QPSK	1	48	23.32	23.38	23.33			
20	QPSK	1	96	23.33	23.28	23.34			
20	QPSK	50	0	22.43	22.47	22.33	23	1	
20	QPSK	50	24	22.41	22.46	22.40			
20	QPSK	50	48	22.34	22.33	22.42			
20	QPSK	100	0	22.40	22.46	22.31	23	1	
20	16QAM	1	0	22.39	22.29	22.41			
20	16QAM	1	48	22.29	22.43	22.41			
20	16QAM	1	96	22.42	22.36	22.42	22	2	
20	16QAM	50	0	21.96	21.36	21.49			
20	16QAM	50	24	21.35	21.32	21.47			
20	16QAM	50	50	21.50	21.31	21.59	22	2	
20	16QAM	100	0	21.29	21.27	21.44			
20	84QAM	1	0	21.25	21.33	21.43			
20	84QAM	1	48	21.43	21.35	21.45	21	3	
20	84QAM	1	96	21.34	21.38	21.44			
20	84QAM	50	0	20.41	20.42	20.26			
20	84QAM	50	24	20.28	20.29	20.37	19	5	
20	84QAM	50	50	20.43	20.31	20.44			
20	84QAM	100	0	20.45	20.18	20.26			
20	256QAM	1	0	18.55	18.57	18.61	19	5	
20	256QAM	1	48	18.43	18.64	18.59			
20	256QAM	1	96	18.56	18.47	18.50			
20	256QAM	50	0	18.40	18.60	18.44	19	5	
20	256QAM	50	24	18.38	18.70	18.41			
20	256QAM	50	50	18.58	18.61	18.39			
20	256QAM	100	0	18.68	18.37	18.44			
Channel				42195	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500	3537.5			
15	QPSK	1	0	23.12	23.33	23.17	24	0	
15	QPSK	1	37	23.20	23.25	23.22			
15	QPSK	1	74	23.23	23.17	23.24			
15	QPSK	36	0	22.38	22.29	22.29	23	1	
15	QPSK	36	20	22.29	22.39	22.32			
15	QPSK	36	37	22.27	22.17	22.30			
15	QPSK	75	0	22.29	22.34	22.16	23	1	
15	16QAM	1	0	22.22	22.14	22.35			
15	16QAM	1	37	22.23	22.35	22.32			
15	16QAM	1	74	22.37	22.24	22.34	22	2	
15	16QAM	36	0	21.41	21.21	21.43			
15	16QAM	36	20	21.29	21.18	21.41			
15	16QAM	36	39	21.15	21.24	21.45	22	2	
15	16QAM	75	0	21.24	21.17	21.38			
15	16QAM	1	0	21.19	21.20	21.29			
15	16QAM	1	37	21.29	21.23	21.31	21	3	
15	16QAM	1	74	21.14	21.31	21.34			
15	16QAM	36	0	20.52	20.31	20.16			
15	84QAM	36	20	20.14	20.14	20.25	19	5	
15	84QAM	36	39	20.02	20.05	20.18			
15	84QAM	75	0	20.25	20.05	20.15			
15	256QAM	1	0	18.69	18.43	18.37	19	5	
15	256QAM	1	37	18.54	18.51	18.43			
15	256QAM	1	74	18.68	18.38	18.58			
15	256QAM	36	0	18.74	18.81	18.49	19	5	
15	256QAM	36	20	18.55	18.54	18.55			
15	256QAM	36	39	18.62	18.40	18.57			
15	256QAM	75	0	18.42	18.71	18.65			
Channel				42140	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	23.18	23.29	23.16	24	0	
10	QPSK	1	25	23.22	23.26	23.25			
10	QPSK	1	49	23.17	23.22	23.29			
10	QPSK	36	0	22.38	22.32	22.26	23	1	
10	QPSK	25	12	22.25	22.38	22.33			
10	QPSK	25	25	22.23	22.24	22.29			
10	QPSK	50	0	22.31	22.35	22.17	23	1	
10	16QAM	1	0	22.21	22.17	22.31			
10	16QAM	1	25	22.30	22.29	22.34			
10	16QAM	1	49	22.32	22.24	22.37	22	2	
10	16QAM	25	0	21.41	21.27	21.42			
10	16QAM	25	12	21.24	21.30	21.40			
10	16QAM	25	25	21.14	21.15	21.48	22	2	
10	16QAM	50	0	21.34	21.13	21.32			
10	84QAM	1	0	21.44	21.27	21.36			
10	84QAM	1	25	21.39	21.27	21.31	21	3	
10	84QAM	1	49	21.29	21.29	21.35			
10	84QAM	25	0	20.27	20.35	20.14			
10	84QAM	25	12	20.19	20.16	20.29	19	5	
10	84QAM	25	25	20.34	20.22	20.38			
10	84QAM	50	0	20.39	20.03	20.19			
10	256QAM	1	0	18.53	18.47	18.34	19	5	
10	256QAM	1	25	18.46	18.62	18.40			
10	256QAM	1	49	18.52	18.40	18.58			
10	256QAM	25	0	18.65	18.72	18.44	19	5	
10	256QAM	25	12	18.40	18.57	18.45			
10	256QAM	25	25	18.47	18.62	18.53			
10	256QAM	50	0	18.59	18.74	18.65			
Channel				42915	43000	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3562.5	3600	3647.5			
5	QPSK	1	0	23.19	23.32	23.23	24	0	
5	QPSK	1	12	23.17	23.21	23.27			
5	QPSK	1	24	23.19	23.19	23.22			
5	QPSK	12	0	22.32	22.30	22.26	23	1	
5	QPSK	12	7	22.29	22.41	22.38			
5	QPSK	12	13	22.29	22.28	22.27			
5	QPSK	25	0	22.31	22.38	22.19	23	1	
5	16QAM	1	0	22.19	22.17	22.25			
5	16QAM	1	12	22.31	22.32	22.28			
5	16QAM	1	24	22.31	22.25	22.40	22	2	
5	16QAM	12	0	21.50	21.29	21.41			
5	16QAM	12	7	21.24	21.21	21.42			
5	16QAM	12	13	21.10	21.15	21.31	22	2	
5	16QAM	25	0	21.33	21.19	21.38			
5	16QAM	1	0	21.21	21.20	21.38			
5	84QAM	1	12	21.29	21.20	21.40	21	3	
5	84QAM	1	24	21.17	21.22	21.30			
5	84QAM	12	0	20.33	20.36	20.13			
5	84QAM	12	7	20.52	20.21	20.31	19	5	
5	84QAM	12	13	20.30	20.20	20.33			
5	84QAM	25	0	20.41	20.05	20.13			
5	256QAM	1	0	18.53	18.65	18.46	19	5	
5	256QAM	1	12	18.49	18.46	18.56			
5	256QAM	1	24	18.43	18.46	18.55			
5	256QAM	12	0	18.50	18.71	18.88	19	5	
5	256QAM	12	7	18.70	18.69	18.54			
5	256QAM	12	13	18.53	18.67	18.48			
5	256QAM	25	0	18.48	18.71	18.38			



Band 2 Ant4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.20	23.14	24	0						
20	QPSK	1	49	23.11	23.13	23.07								
20	QPSK	1	99	23.16	23.16	23.17								
20	QPSK	50	0	22.22	22.20	22.24								
20	QPSK	50	24	22.28	22.24	22.28	23	1						
20	QPSK	50	50	22.30	22.21	22.17								
20	QPSK	100	0	22.25	22.27	22.21								
20	16QAM	1	0	22.21	22.21	22.20								
20	16QAM	1	49	22.16	22.18	22.21	23	1						
20	16QAM	1	99	22.17	22.21	22.26								
20	16QAM	50	0	21.32	21.35	21.31								
20	16QAM	50	24	21.40	21.35	21.33								
20	16QAM	50	50	21.36	21.31	21.36	22	2						
20	16QAM	100	0	21.18	21.16	21.20								
20	64QAM	1	0	21.28	21.32	21.30								
20	64QAM	1	49	21.35	21.35	21.40								
20	64QAM	1	99	21.25	21.21	21.22	22	2						
20	64QAM	50	0	20.31	20.31	20.33								
20	64QAM	50	24	20.24	20.23	20.23								
20	64QAM	50	50	20.29	20.28	20.28								
20	64QAM	100	0	20.24	20.26	20.26	21	3						
20	256QAM	1	0	18.36	18.46	18.34								
20	256QAM	1	49	18.42	18.43	18.21								
20	256QAM	1	99	18.22	18.44	18.47								
20	256QAM	5	0	18.28	18.35	18.21	19	5						
20	256QAM	5	24	18.40	18.40	18.59								
20	256QAM	50	50	18.30	18.26	18.43								
20	256QAM	100	0	18.50	18.50	18.23								
Channel														
Frequency (MHz)														
18	QPSK	1	0	23.11	23.17	23.10	24	0						
18	QPSK	1	37	23.06	23.07	23.00								
18	QPSK	1	74	23.08	23.07	23.12								
18	QPSK	36	0	22.10	22.18	22.16								
18	QPSK	36	37	22.22	22.18	22.11	23	1						
18	QPSK	36	74	22.27	22.09	22.06								
18	QPSK	75	0	22.21	22.16	22.15								
18	16QAM	1	0	22.07	22.16	22.15								
18	16QAM	1	37	22.05	22.08	22.05	23	1						
18	16QAM	1	74	22.08	22.07	22.08								
18	16QAM	36	0	21.25	21.18	21.26								
18	16QAM	36	37	21.31	21.30	21.25								
18	16QAM	75	0	21.08	21.07	21.02	22	2						
18	64QAM	1	0	21.15	21.21	21.25								
18	64QAM	1	37	21.25	21.29	21.28								
18	64QAM	1	74	21.12	21.12	21.05								
18	64QAM	36	0	20.26	20.16	20.27	21	3						
18	64QAM	36	37	20.26	20.21	20.23								
18	64QAM	36	74	20.25	20.23	20.20								
18	64QAM	75	0	20.14	20.10	20.11								
18	256QAM	1	0	18.51	18.56	18.46	19	5						
18	256QAM	1	37	18.44	18.36	18.36								
18	256QAM	1	74	18.27	18.30	18.23								
18	256QAM	5	0	18.35	18.35	18.36								
18	256QAM	5	24	18.55	18.53	18.59	19	5						
18	256QAM	36	39	18.50	18.48	18.29								
18	256QAM	75	0	18.39	18.33	18.34								
18	256QAM	100	0	18.50	18.50	18.25								
Channel														
Frequency (MHz)														
18	QPSK	1	0	23.08	23.12	23.05	24	0						
18	QPSK	1	25	22.97	23.02	23.05								
18	QPSK	1	49	23.12	23.09	23.04								
18	QPSK	36	0	22.14	22.16	22.11								
18	QPSK	36	37	22.22	22.18	22.20	23	1						
18	QPSK	36	74	22.13	22.07	22.11								
18	QPSK	75	0	22.07	22.15	22.10								
18	16QAM	1	0	22.07	22.16	22.15								
18	16QAM	1	37	22.05	22.08	22.05	23	1						
18	16QAM	1	74	22.08	22.07	22.08								
18	16QAM	36	0	21.25	21.18	21.26								
18	16QAM	36	37	21.31	21.30	21.25								
18	16QAM	75	0	21.08	21.07	21.02	22	2						
18	64QAM	1	0	21.15	21.21	21.25								
18	64QAM	1	37	21.25	21.29	21.28								
18	64QAM	1	74	21.12	21.12	21.05								
18	64QAM	36	0	20.26	20.16	20.27	21	3						
18	64QAM	36	37	20.26	20.21	20.23								
18	64QAM	36	74	20.25	20.23	20.20								
18	64QAM	75	0	20.14	20.10	20.11								
18	256QAM	1	0	18.51	18.56	18.46	19	5						
18	256QAM	1	37	18.44	18.36	18.36								
18	256QAM	1	74	18.27	18.30	18.23								
18	256QAM	5	0	18.35	18.35	18.36								
18	256QAM	5	24	18.55	18.53	18.59	19	5						
18	256QAM	36	39	18.50	18.48	18.29								
18	256QAM	75	0	18.39	18.33	18.34								
18	256QAM	100	0	18.50	18.50	18.25								
Channel														
Frequency (MHz)														
18	QPSK	1	0	23.08	23.12	23.05	24	0						
18	QPSK	1	12	23.06	23.08	23.07								
18	QPSK	1	24	23.07	23.07	23.07								
18	QPSK	12	0	22.08	22.13	22.11								
18	QPSK	12	7	22.18	22.08	22.14	23	1						
18	QPSK	12	14	22.05	22.05	22.08								
18	QPSK	25	0	22.13	22.20	22.15								
18	16QAM	1	0	22.10	22.19	22.08								
18	16QAM	1	24	22.05	22.09	22.12	23	1						
18	16QAM	12	0	21.22	21.34	21.18								
18	16QAM	12	13	21.32	21.22	21.28								
18	16QAM	25	0	21.08	21.06	21.06								
18	16QAM	25	0	21.22	21.17	21.21	22	2						
18	16QAM	12	12	21.27	21.27	21.31								
18	16QAM	12	13	21.11	21.11	21.11								
18	16QAM	12	0	20.15	20.16	20.17								
18	16QAM	12	7	20.11	20.09	20.15	21	3						
18	16QAM	25	0	20.23	20.21	20.21								
18	256QAM	1	0	18.42	18.38	18.28								
18	256QAM	1	12	18.40	18.44	18.38								
18	256QAM	1	24	18.24	18.48	18.35	19	5						
18	256QAM	12	0	18.30	18.44	18.34								
18	256QAM	12	13	18.37	18.41	18.37								
18	256QAM	12	13	18.44	18.40	18.30								
18	256QAM	25	0	18.34	18.40	18.32								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.10	23.18	23.01					24	0		
3	QPSK	1	37	23.07	23.07	23.07								
3	QPSK	1	74	23.02	23.07	23.10								
3	QPSK	8	0	22.11	22.19	22.10								
3	QPSK	8	37	22.22	22.16	22.18	23	1						
3	QPSK	8	74	22.11	22.15	22.02								
3	QPSK	16	0	22.16	22.15	22.15								
3	16QAM	1	0	22.05	22.10	22.10								
3	16QAM	1	6	22.04	22.06	22.12	23	1						
3	16QAM	1	14	22.12	22.08	22.17								
3	16QAM	1	22	22.12	22.11	22.12								
3	16QAM	8	4	21.28	21.31	21.29								
3	16QAM	8	14	21.26	21.15	21.28	22	2						
3	16QAM	8	22	21.09	21.12	21.28								
3	16QAM	8	6	21.16	21.27	21.21								
3	16QAM	1	6	21.28	21.20	21.21								
3	16QAM	8	14	21.16	21.09	21.15	21	3						
3	16QAM	8	6	20.38	20.26	20.19								
3	16QAM	8	4	20.14	20.08	20.16								
3	16QAM	8	4	20.16	20.14	20.14								
3	256QAM	1	0	18.37	18.35	18.38	19	5						
3	256QAM	1	14	18.39	18.23	18.23								
3	256QAM	1	22	18.37	18.38	18.41								
3	256QAM	8	4	18.00	18.57	18.31								
3	256QAM	8	7	18.46	18.54	18.47	19	5						
3	256QAM	8	7	18.58	18.58	18.58								
3	256QAM	8	7	18.58	18.58	18.58								
3	256QAM	8	7	18.52	18.44	18.50								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.12	23.07	23.00	24	0						
1.4	QPSK	1	3	23.01	23.01	23.15								
1.4	QPSK	1	6	23.01	23.01	23.15								
1.4	QPSK	3	3	23.05	23.10	23.00								
1.4	QPSK	3	3	23.00	23.16	23.00	23	1						
1.4	QPSK	3	3	23.03	23.10	23.03								
1.4	16QAM	1	0	22.01	22.15	22.00								
1.4	16QAM	1	3	21.91	22.04	22.01								
1.4	16QAM	1	6	22.04	22.04	22.04	22	1						
1.4	16QAM	1	3	22.03	22.01	22.06								
1.4	16QAM	6	0	21.30	21.26	21.41								
1.4	16QAM	6	3	21.14	21.01	20.88								
1.4	16QAM	6	6	21.08	21.20	21.20	22	2						
1.4	16QAM	6	6	21.23	21.20	21.21								
1.4	16QAM	6	3	20.91	20.30	21.12								
1.4	16QAM	6	3	21.08	21.20	21.21								
1.4	16QAM	6	3	21.01	20.37	20.32	21	3						
1.4	16QAM	6	3	20.98	20.48	20.41								
1.4	16QAM	3	3	19.45	19.35	19.42								
1.4	256QAM	1	0	18.36	18.50	18.42								
1.4	256QAM	1	6	18.36	18.50	18.42	19	5						
1.4	256QAM	1	6	18.54	18.50	18.40								
1.4	256QAM	3	3	18.54	18.39	18.40								
1.4	256QAM	6	0	18.52	18.44	18.50								

Band 7 Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up (ms)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.48	23.48	23.48	24	0			
20	QPSK	1	49	23.38	23.33	23.30					
20	QPSK	1	99	23.37	23.44	23.28					
20	QPSK	50	0	22.48	22.50	22.53					
20	QPSK	50	24	22.45	22.41	22.48	23	1			
20	QPSK	50	50	22.38	22.40	22.38					
20	QPSK	100	0	22.37	22.50	22.43					
20	16QAM	1	0	22.45	22.36	22.32					
20	16QAM	1	49	22.39	22.40	22.36	23	1			
20	16QAM	1	99	22.33	22.43	22.42					
20	16QAM	50	0	21.57	21.47	21.51					
20	16QAM	50	24	21.61	21.50	21.68					
20	16QAM	50	50	21.48	21.44	21.50	22	2			
20	16QAM	100	0	21.43	21.39	21.36					
20	64QAM	1	0	21.47	21.61	21.53					
20	64QAM	1	49	21.50	21.50	21.57					
20	64QAM	1	99	21.37	21.34	21.37	22	2			
20	64QAM	50	0	20.50	20.50	20.50					
20	64QAM	50	24	20.51	20.46	20.42					
20	64QAM	50	50	20.51	20.50	20.48					
20	64QAM	100	0	20.45	20.48	20.44	21	3			
20	256QAM	1	49	18.75	18.77	18.75					
20	256QAM	1	49	18.69	18.55	18.80					
20	256QAM	1	99	18.53	18.77	18.70					
20	256QAM	50	0	18.49	18.50	18.50	19	5			
20	256QAM	50	24	18.68	18.49	18.41					
20	256QAM	50	50	18.68	18.68	18.60					
20	256QAM	100	0	18.67	18.52	18.60					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.38	23.44	23.20	24	0			
15	QPSK	1	37	23.23	23.34	23.22					
15	QPSK	1	74	23.22	23.28	23.12					
15	QPSK	36	0	22.41	22.40	22.44					
15	QPSK	36	39	22.39	22.39	22.39	23	1			
15	QPSK	36	39	22.26	22.33	22.33					
15	QPSK	75	0	22.31	22.34	22.35					
15	16QAM	1	0	22.31	22.34	22.25					
15	16QAM	1	37	22.33	22.28	22.22	23	1			
15	16QAM	1	74	22.27	22.30	22.31					
15	16QAM	36	0	21.49	21.39	21.40					
15	16QAM	36	20	21.49	21.41	21.61					
15	16QAM	36	49	21.31	21.36	21.48	22	2			
15	16QAM	75	0	21.31	21.29	21.22					
15	64QAM	1	0	21.32	21.40	21.41					
15	64QAM	1	37	21.42	21.46	21.41					
15	64QAM	1	74	21.27	21.15	21.30	21	3			
15	64QAM	36	0	20.39	20.55	20.47					
15	64QAM	36	39	20.38	20.38	20.38					
15	64QAM	36	39	20.35	20.43	20.35					
15	64QAM	75	0	20.32	20.41	20.38	19	5			
15	256QAM	1	37	18.65	18.70	18.65					
15	256QAM	1	37	18.05	18.50	18.50					
15	256QAM	1	74	18.70	18.75	18.68					
15	256QAM	36	0	18.65	18.74	18.46	19	5			
15	256QAM	36	20	18.50	18.70	18.59					
15	256QAM	36	39	18.70	18.64	18.61					
15	256QAM	75	0	18.44	18.63	18.62					
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.38	23.42	23.22	24	0			
10	QPSK	1	25	23.23	23.22	23.21					
10	QPSK	1	49	23.27	23.32	23.16					
10	QPSK	25	0	22.36	22.42	22.38					
10	QPSK	25	12	22.33	22.37	22.36	23	1			
10	QPSK	25	25	22.33	22.30	22.30					
10	QPSK	50	0	22.34	22.30	22.30					
10	16QAM	1	0	22.32	22.29	22.22					
10	16QAM	1	25	22.23	22.30	22.31	23	1			
10	16QAM	1	49	22.26	22.30	22.34					
10	16QAM	25	0	21.44	21.39	21.45					
10	16QAM	25	12	21.50	21.48	21.61					
10	16QAM	50	0	21.34	21.37	21.48	22	2			
10	16QAM	50	0	21.34	21.37	21.29					
10	64QAM	1	0	21.32	21.53	21.45					
10	64QAM	1	25	21.40	21.41	21.42					
10	64QAM	1	49	21.29	21.19	21.26	21	3			
10	64QAM	25	0	20.35	20.50	20.42					
10	64QAM	25	12	20.43	20.31	20.36					
10	64QAM	25	25	20.43	20.44	20.34					
10	64QAM	50	0	20.38	20.33	20.36	19	5			
10	256QAM	1	0	18.73	18.77	18.83					
10	256QAM	1	25	18.75	18.67	18.61					
10	256QAM	1	49	18.72	18.75	18.71					
10	256QAM	25	0	18.45	18.75	18.69	19	5			
10	256QAM	25	12	18.80	18.61	18.37					
10	256QAM	25	25	18.73	18.59	18.68					
10	256QAM	50	0	18.62	18.59	18.61					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.40	23.39	23.21	24	0			
5	QPSK	1	12	23.26	23.17	23.22					
5	QPSK	1	24	23.30	23.30	23.15					
5	QPSK	12	0	22.33	22.41	22.41					
5	QPSK	12	7	22.39	22.20	22.38	23	1			
5	QPSK	12	13	22.26	22.39	22.27					
5	QPSK	25	0	22.22	22.44	22.30					
5	16QAM	1	0	22.32	22.21	22.17					
5	16QAM	1	12	22.31	22.26	22.30	23	1			
5	16QAM	1	24	22.25	22.36	22.32					
5	16QAM	12	0	21.46	21.38	21.36					
5	16QAM	12	7	21.55	21.46	21.56					
5	16QAM	12	18	21.41	21.33	21.49	22	2			
5	16QAM	25	0	21.33	21.20	21.20					
5	64QAM	1	0	21.42	21.46	21.39					
5	64QAM	1	12	21.42	21.47	21.45					
5	64QAM	1	24	21.29	21.23	21.23	21	3			
5	64QAM	12	0	20.44	20.54	20.41					
5	64QAM	12	7	20.38	20.41	20.35					
5	64QAM	12	13	20.39	20.44	20.34					
5	64QAM	25	0	20.34	20.37	20.29	19	5			
5	256QAM	1	0	18.73	18.70	18.83					
5	256QAM	1	12	18.60	18.60	18.60					
5	256QAM	1	24	18.52	18.66	18.45					
5	256QAM	12	0	18.44	18.56	18.70	19	5			
5	256QAM	12	7	18.50	18.58	18.46					
5	256QAM	12	13	18.53	18.70	18.69					
5	256QAM	25	0	18.40	18.70	18.75					

Band 66 Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 193075	Power Middle Ch / Freq. 193122	Power High Ch / Freq. 193170	Time-up (ms)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.14	23.18	23.16	24	0			
20	QPSK	1	49	23.08	23.04	23.05					
20	QPSK	1	99	23.05	23.06	23.12					
20	QPSK	50	0	22.14	22.20	22.24					
20	QPSK	50	24	22.27	22.12	22.22	23	1			
20	QPSK	50	50	22.15	22.17	22.09					
20	QPSK	100	0	22.19	22.21	22.16					
20	16QAM	1	0	22.12	22.18	22.06					
20	16QAM	1	49	22.14	22.18	22.17	23	1			
20	16QAM	1	99	22.11	22.18	22.16					
20	16QAM	50	0	21.27	21.29	21.30					
20	16QAM	50	24	21.35	21.29	21.34					
20	16QAM	50	50	21.26	21.29	21.26	22	2			
20	16QAM	100	0	21.16	21.04	21.08					
20	16QAM	100	0	20.22	20.18	20.20					
20	16QAM	1	0	16.49	16.64	16.29					
20	16QAM	1	49	16.52	16.29	16.57	19				
20	16QAM	1	99	16.20	16.30	16.30					
20	16QAM	50	0	16.43	16.32	16.39					
20	16QAM	50	24	16.34	16.31	16.38					
20	16QAM	50	50	16.49	16.31	16.44	22	2			
20	16QAM	100	0	16.36	16.47	16.25					
Time-up (ms) MPR (dB)											
Frequency (MHz)											
15	QPSK	1	0	23.03	23.10	23.08	24	0			
15	QPSK	1	49	22.97	22.94	22.95					
15	QPSK	1	99	22.94	22.97	22.96					
15	QPSK	50	0	21.98	22.09	22.14					
15	QPSK	50	24	22.12	22.04	22.13	23	1			
15	QPSK	36	98	21.94	22.05	21.99					
15	QPSK	75	0	21.98	22.11	21.96					
15	16QAM	1	0	21.94	22.05	21.98					
15	16QAM	1	49	21.93	22.04	21.97	23	1			
15	16QAM	1	99	21.91	22.04	21.97					
15	16QAM	36	98	21.92	22.05	21.95					
15	16QAM	75	0	21.91	22.04	21.97					
15	16QAM	36	98	21.92	22.05	21.95	22	2			
15	16QAM	75	0	21.09	21.23	21.17					
15	16QAM	1	0	21.07	21.03	21.07					
15	16QAM	1	99	21.04	21.03	21.07					
15	16QAM	1	49	21.03	21.03	21.07	22	2			
15	16QAM	1	99	21.01	21.03	21.07					
15	16QAM	36	98	21.00	21.02	21.06					
15	16QAM	75	0	20.99	21.06	21.04					
15	16QAM	36	98	20.98	21.05	21.04	21	3			
15	16QAM	75	0	20.95	21.02	20.98					
15	16QAM	1	0	16.36	16.47	16.30					
15	16QAM	1	99	16.38	16.17	16.30					
15	16QAM	1	49	16.48	16.40	16.30	19	5			
15	16QAM	1	99	16.41	16.39	16.30					
15	16QAM	36	98	16.32	16.44	16.39					
15	16QAM	36	98	16.25	16.37	16.40					
15	16QAM	36	98	16.27	16.38	16.42	19	5			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.06	23.10	23.08			24	0	
10	QPSK	1	49	23.00	22.97	22.98					
10	QPSK	1	99	22.97	22.93	22.95					
10	QPSK	50	0	22.12	22.19	22.16					
10	QPSK	50	24	22.29	22.05	22.13	23	1			
10	QPSK	25	26	21.98	22.09	21.99					
10	QPSK	1	0	21.94	22.05	21.98					
10	16QAM	1	0	21.98	22.06	21.97					
10	16QAM	1	49	21.96	22.02	22.03	23	1			
10	16QAM	1	99	21.94	22.02	22.03					
10	16QAM	25	12	21.13	21.05	21.13					
10	16QAM	25	12	21.13	21.05	21.13					
10	16QAM	25	12	21.13	21.05	21.13	22	2			
10	16QAM	50	0	20.98	21.02	20.94					
10	16QAM	50	0	21.04	21.07	21.08					
10	16QAM	50	24	21.07	21.04	21.07					
10	16QAM	50	24	21.07	21.04	21.07	22	2			
10	16QAM	50	50	21.07	21.04	21.07					
10	16QAM	25	12	20.12	20.05	20.09					
10	16QAM	25	12	20.05	20.11	20.01					
10	16QAM	25	12	20.05	20.11	20.01	21	3			
10	16QAM	25	12	20.05	20.11	20.01					
10	16QAM	50	0	16.30	16.44	16.40					
10	16QAM	50	24	16.35	16.34	16.32					
10	16QAM	25	12	16.31	16.34	16.32	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35	19	5			
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16.35					
10	16QAM	25	12	16.37	16.48	16					



Reduced Power Mode

Band 7 DSI3&7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Max Ch / Freq.	Power High Ch / Freq.	Tune-up Band (MHz)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.31	18.33	18.23			
20	QPSK	1	46	18.23	18.27	18.20	19.5	0	
20	QPSK	1	96	18.19	18.26	18.17			
20	QPSK	50	0	18.21	18.26	18.18			
20	QPSK	50	24	18.17	18.25	18.15	19.5	0	
20	QPSK	50	50	18.15	18.24	18.13			
20	QPSK	100	0	18.24	18.25	18.20			
20	16QAM	1	0	18.21	18.21	18.15			
20	16QAM	1	46	18.17	18.21	18.10	19.5	0	
20	16QAM	1	96	18.24	18.21	18.18			
20	16QAM	50	0	18.20	18.21	18.15			
20	16QAM	50	24	18.17	18.24	18.12	19.5	0	
20	16QAM	50	50	18.21	18.20	18.18			
20	16QAM	100	0	18.20	18.23	18.15			
20	16QAM	1	0	18.18	18.23	18.11			
20	16QAM	1	46	18.21	18.20	18.21	19.5	0	
20	16QAM	1	96	18.17	18.22	18.13			
20	16QAM	50	0	18.14	18.21	18.14			
20	16QAM	50	24	18.21	18.24	18.21	19.5	0	
20	16QAM	50	50	18.19	18.22	18.15			
20	16QAM	100	0	18.15	18.22	18.16			
20	256QAM	1	0	17.61	17.66	17.66			
20	256QAM	1	46	17.75	17.75	17.75	19	0.5	
20	256QAM	1	96	17.84	17.81	17.82			
20	256QAM	50	0	17.62	17.62	17.62			
20	256QAM	50	24	17.53	17.72	17.52	19	0.5	
20	256QAM	50	50	17.84	17.77	17.84			
20	256QAM	100	0	17.62	17.72	17.61			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.23	18.23	18.11			
15	QPSK	1	37	18.15	18.20	18.13	19.5	0	
15	QPSK	1	74	18.08	18.18	18.06			
15	QPSK	36	0	18.11	18.18	18.08			
15	QPSK	36	20	18.08	18.15	18.05	19.5	0	
15	QPSK	36	36	18.07	18.13	18.01			
15	16QAM	75	0	18.11	18.14	18.12			
15	16QAM	1	0	18.11	18.14	18.03			
15	16QAM	1	37	18.05	18.11	17.88	19.5	0	
15	16QAM	1	74	18.14	18.12	18.05			
15	16QAM	36	0	18.08	18.15	18.05			
15	16QAM	36	20	18.07	18.14	18.02	19.5	0	
15	16QAM	36	36	18.10	18.11	18.04			
15	16QAM	75	0	18.10	18.11	18.04			
15	16QAM	1	0	18.05	18.12	18.00			
15	16QAM	1	37	18.10	18.11	18.02	19.5	0	
15	16QAM	1	74	18.05	18.12	18.05			
15	16QAM	36	0	18.07	18.13	18.04			
15	16QAM	36	20	18.10	18.15	18.05	19.5	0	
15	16QAM	36	36	18.05	18.14	18.02			
15	16QAM	75	0	18.04	18.11	18.02			
15	256QAM	1	0	17.61	17.66	17.61			
15	256QAM	1	37	17.75	17.75	17.68	19	0.5	
15	256QAM	1	74	17.73	17.62	17.77			
15	256QAM	36	0	17.66	17.66	17.61			
15	256QAM	36	20	17.53	17.69	17.61	19	0.5	
15	256QAM	36	36	17.59	17.60	17.76			
15	256QAM	75	0	17.52	17.65	17.63			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.24	18.24	18.17			
10	QPSK	1	25	18.18	18.18	18.11	19.5	0	
10	QPSK	1	49	18.10	18.17	18.06			
10	QPSK	25	0	18.09	18.16	18.06			
10	QPSK	25	12	18.07	18.17	18.06	19.5	0	
10	QPSK	25	25	18.08	18.17	18.07			
10	QPSK	25	37	18.11	18.16	18.06			
10	16QAM	1	0	18.10	18.12	18.04			
10	16QAM	1	25	18.06	18.11	18.00	19.5	0	
10	16QAM	1	49	18.17	18.16	18.10			
10	16QAM	25	0	18.05	18.09	18.05			
10	16QAM	25	12	18.08	18.14	18.00	19.5	0	
10	16QAM	25	25	18.13	18.14	18.11			
10	16QAM	50	0	18.11	18.14	18.07			
10	16QAM	1	0	18.06	18.14	18.00			
10	16QAM	1	25	18.12	18.13	18.14	19.5	0	
10	16QAM	1	49	18.09	18.14	18.03			
10	16QAM	25	0	18.04	18.13	18.06			
10	16QAM	25	12	18.15	18.13	18.12	19.5	0	
10	16QAM	25	25	18.13	18.15	18.08			
10	16QAM	50	0	18.04	18.11	18.04			
10	256QAM	1	0	17.64	17.66	17.75			
10	256QAM	1	25	17.74	17.85	17.80	19	0.5	
10	256QAM	1	49	17.56	17.75	17.81			
10	256QAM	25	0	17.64	17.64	17.53			
10	256QAM	25	12	17.80	17.73	17.88	19	0.5	
10	256QAM	25	25	17.77	17.74	17.81			
10	256QAM	50	0	17.65	17.65	17.60			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.22	18.25	18.11			
5	QPSK	1	12	18.11	18.19	18.10	19.5	0	
5	QPSK	1	24	18.10	18.16	18.06			
5	QPSK	12	0	18.11	18.14	18.06			
5	QPSK	12	7	18.05	18.17	18.07	19.5	0	
5	QPSK	12	13	18.07	18.16	18.03			
5	QPSK	24	0	18.14	18.15	18.10			
5	16QAM	1	0	18.10	18.10	18.05			
5	16QAM	1	12	18.11	18.12	18.01	19.5	0	
5	16QAM	1	24	18.15	18.11	18.00			
5	16QAM	12	0	18.11	18.09	18.07			
5	16QAM	12	7	18.10	18.16	18.04	19.5	0	
5	16QAM	12	13	18.09	18.13	18.07			
5	16QAM	24	0	18.09	18.14	18.08			
5	16QAM	1	0	18.08	18.15	18.02	19.5	0	
5	16QAM	1	12	18.10	18.12	18.09			
5	16QAM	1	24	18.07	18.10	18.02			
5	16QAM	12	0	18.05	18.11	18.06	19.5	0	
5	16QAM	12	7	18.11	18.18	18.10			
5	16QAM	12	13	18.12	18.16	18.09			
5	16QAM	24	0	18.08	18.14	18.06			
5	256QAM	1	0	17.84	17.81	17.84			
5	256QAM	1	12	17.71	17.70	17.77	19	0.5	
5	256QAM	1	24	17.59	17.63	17.81			
5	256QAM	12	0	17.75	17.72	17.79			
5	256QAM	12	7	17.81	17.73	17.86	19	0.5	
5	256QAM	12	13	17.83	17.71	17.79			
5	256QAM	24	0	17.86	17.79	17.87			

Band 7 DSI3&7 ENDC Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Max Ch / Freq.	Power High Ch / Freq.	Tune-up Band (MHz)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	14.40	14.41	14.37			
20	16QAM	1	46	14.11	14.13	14.22	15.5	0	
20	QPSK	1	96	14.13	14.27	14.21			
20	QPSK	50	0	14.14	14.27	14.21			
20	QPSK	50	24	14.25	14.17	14.07	15.5	0	
20	QPSK	50	50	14.08	14.20	14.23			
20	QPSK	100	0	14.15	14.25	14.22			
20	16QAM	1	0	14.10	14.30	14.24			
20	16QAM	1	46	14.13	14.30	14.15	15.5	0	
20	16QAM	1	96	14.21	14.19	14.10			
20	16QAM	50	0	14.13	14.21	14.22			
20	16QAM	50	24	14.12	14.12	14.11	15.5	0	
20	16QAM	50	50	14.25	14.05	14.27			
20	16QAM	100	0	14.09	14.30	14.08			
20	16QAM	1	0	14.00	14.25	14.17			
20	16QAM	1	46	14.25	14.32	14.26	15.5	0	
20	16QAM	1	96	14.26	14.11	14.06			
20	16QAM	50	0	14.11	14.30	14.08			
20	16QAM	50	24	14.13	14.10	14.27	15.5	0	
20	16QAM	50	50	14.25	14.11	14.17			
20	16QAM	100	0	14.16	14.15	14.12			
20	256QAM	1	0	14.20	14.30	14.16			
20	256QAM	1	46	14.04	13.99	14.13	15.5	0	
20	256QAM	1	96	13.79	13.97	14.03			
20	256QAM	36	0	13.89	14.14	13.93			
20	256QAM	36	20	14.11	13.91	13.80	15.5	0	
20	256QAM	36	36	13.73	14.00	13.65			
20	256QAM	75	0	13.99	14.12	13.97			
15	16QAM	1	0	13.82	14.17	13.97			
15	16QAM	1	37	13.97	14.21	13.84	15.5	0	



Band 7 DSI6 Ant0										
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)				25100	25350	25590				
20	QPSK	1	0	19.65	19.81	19.87	21	0		
20	QPSK	1	49	19.70	19.70	19.88				
20	QPSK	1	99	19.83	19.74	19.88				
20	QPSK	50	0	19.48	19.63	19.37				
20	QPSK	50	24	19.85	19.72	19.87	21	0		
20	QPSK	50	50	19.48	19.58	19.53				
20	QPSK	100	0	19.56	19.75	19.34				
20	16QAM	1	0	19.63	19.68	19.51				
20	16QAM	1	49	19.98	19.72	19.32	21	0		
20	16QAM	1	99	19.45	19.58	19.50				
20	16QAM	50	0	19.86	19.80	19.35				
20	16QAM	50	24	19.42	19.49	19.59				
20	16QAM	100	0	19.50	19.73	19.53	21	0		
20	16QAM	100	0	19.50	19.72	19.53				
20	64QAM	1	0	19.45	19.59	19.50				
20	64QAM	1	49	19.45	19.50	19.50				
20	64QAM	50	0	19.80	19.40	19.47	21	0		
20	64QAM	50	24	19.59	19.46	19.47				
20	64QAM	50	50	19.80	19.77	19.54				
20	64QAM	100	0	19.42	19.80	19.43				
20	256QAM	1	0	17.67	17.76	17.49	19	2		
20	256QAM	1	49	17.70	17.81	17.57				
20	256QAM	1	99	17.66	17.85	17.52				
20	256QAM	50	0	17.26	17.44	17.23				
20	256QAM	50	24	17.67	17.87	17.74	19	2		
20	256QAM	50	50	17.63	17.89	17.81				
20	256QAM	100	0	17.68	17.78	17.37				
Channel										
Frequency (MHz)				2507.5	2535	2562.5	Turn-up Int. (dB)	MPE (dB)		
15	QPSK	1	0	19.59	19.63	19.52	21	0		
15	QPSK	1	37	19.59	19.58	19.53				
15	QPSK	1	74	19.59	19.67	19.48				
15	QPSK	36	0	19.31	19.64	19.17				
15	QPSK	36	20	19.53	19.65	19.46	21	0		
15	QPSK	36	36	19.42	19.47	19.51				
15	QPSK	75	0	19.42	19.44	19.45				
15	16QAM	1	0	19.54	19.59	19.53				
15	16QAM	1	37	19.49	19.72	19.39	21	0		
15	16QAM	1	74	19.48	19.58	19.47				
15	16QAM	36	0	19.51	19.47	19.55				
15	16QAM	36	20	19.39	19.37	19.38				
15	16QAM	75	0	19.42	19.59	19.59	21	0		
15	64QAM	1	0	19.52	19.58	19.53				
15	64QAM	1	37	19.52	19.61	19.39				
15	64QAM	1	74	19.55	19.30	19.37				
15	64QAM	36	0	19.62	19.56	19.47	21	0		
15	64QAM	36	20	19.23	19.44	19.26				
15	64QAM	36	36	19.55	19.02	19.45				
15	64QAM	75	0	19.43	19.62	19.50				
15	256QAM	1	0	17.61	17.71	17.52	19	2		
15	256QAM	1	37	17.63	17.79	17.53				
15	256QAM	1	74	17.72	17.84	17.58				
15	256QAM	36	0	17.46	17.72	17.45				
15	256QAM	36	20	17.59	17.84	17.78	19	2		
15	256QAM	36	36	17.57	17.50	17.47				
15	256QAM	75	0	17.52	17.81	17.35				
Channel										
Frequency (MHz)				25050	25100	25150	Turn-up Int. (dB)	MPE (dB)		
10	QPSK	1	0	19.41	19.60	19.47	21	0		
10	QPSK	1	25	19.69	19.61	19.60				
10	QPSK	1	49	19.49	19.55	19.38				
10	QPSK	25	0	19.36	19.52	19.29				
10	QPSK	25	12	19.62	19.69	19.57	21	0		
10	QPSK	25	25	19.39	19.43	19.53				
10	QPSK	50	0	19.38	19.51	19.35				
10	16QAM	1	0	19.50	19.61	19.49				
10	16QAM	1	25	19.54	19.68	19.29	21	0		
10	16QAM	1	49	19.48	19.56	19.56				
10	16QAM	25	0	19.57	19.49	19.42				
10	16QAM	25	12	19.48	19.33	19.53				
10	16QAM	50	0	19.36	19.57	19.38	21	0		
10	16QAM	50	0	19.50	19.50	19.60				
10	64QAM	1	0	19.31	19.57	19.42				
10	64QAM	1	25	19.44	19.54	19.45				
10	64QAM	1	49	19.45	19.38	19.37	21	0		
10	64QAM	25	0	19.52	19.48	19.59				
10	64QAM	25	12	19.31	19.43	19.30				
10	64QAM	25	25	19.75	19.52	19.52				
10	64QAM	50	0	19.30	19.65	19.41	21	0		
10	256QAM	1	0	17.63	17.62	17.64				
10	256QAM	1	25	17.84	17.80	17.66				
10	256QAM	1	49	17.67	17.94	17.62				
10	256QAM	25	0	17.65	17.70	17.25	19	2		
10	256QAM	25	12	17.65	17.66	17.79				
10	256QAM	25	25	17.53	17.48	17.48				
10	256QAM	50	0	17.69	17.60	17.42				
Channel										
Frequency (MHz)				2077.5	21100	21425	Turn-up Int. (dB)	MPE (dB)		
5	QPSK	1	0	19.67	19.76	19.53	21	0		
5	QPSK	1	12	19.61	19.70	19.52				
5	QPSK	1	24	19.63	19.69	19.42				
5	QPSK	12	0	19.37	19.68	19.19				
5	QPSK	12	7	19.51	19.65	19.49	21	0		
5	QPSK	12	13	19.34	19.58	19.43				
5	QPSK	25	0	19.51	19.41	19.30				
5	16QAM	1	0	19.60	19.52	19.42				
5	16QAM	1	12	19.58	19.68	19.21	21	0		
5	16QAM	1	24	19.39	19.53	19.32				
5	16QAM	12	0	19.49	19.61	19.48				
5	16QAM	12	7	19.49	19.37	19.54				
5	16QAM	25	0	19.51	19.58	19.58	21	0		
5	64QAM	1	0	19.35	19.59	19.42				
5	64QAM	1	12	19.39	19.69	19.38				
5	64QAM	1	24	19.48	19.37	19.37				
5	64QAM	12	0	19.57	19.57	19.54				
5	64QAM	12	7	19.25	19.34	19.22	21	0		
5	64QAM	12	13	19.98	19.58	19.41				
5	64QAM	25	0	19.41	19.70	19.41				
5	256QAM	1	0	17.67	17.75	17.48				
5	256QAM	1	12	17.73	17.75	17.70	19	2		
5	256QAM	1	24	17.64	17.78	17.46				
5	256QAM	12	0	17.41	17.75	17.36				
5	256QAM	12	7	17.76	17.57	17.71				
5	256QAM	12	13	17.61	17.64	17.64	19	2		
5	256QAM	12	25	17.54	17.64	17.48				
5	256QAM	25	0	17.53	17.64	17.48				

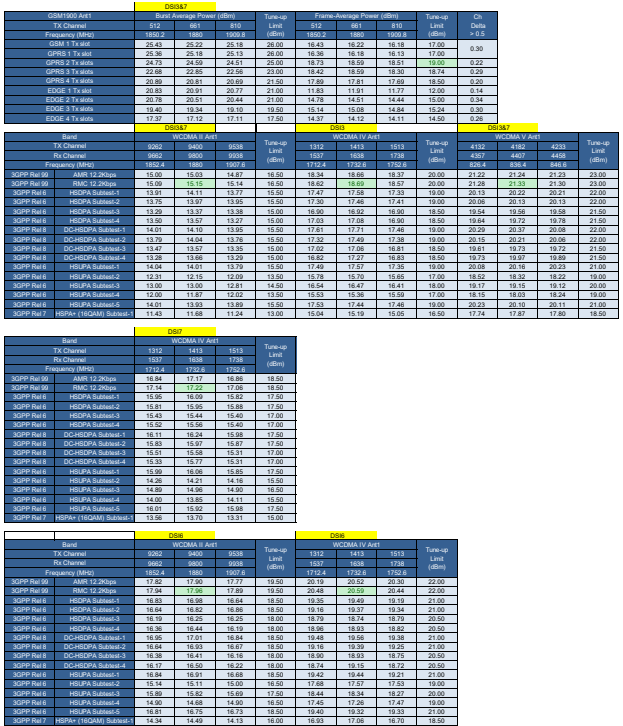
Band 38 DS13&7 Ant0									
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.41	19.55	19.51			
20	QPSK	1	49	19.47	19.51	19.50	21	0	
20	QPSK	1	99	19.37	19.56	19.48			
20	QPSK	50	0	19.36	19.55	19.42			
20	QPSK	50	24	19.41	19.44	19.42	21	0	
20	QPSK	50	50	19.33	19.45	19.41			
20	QPSK	100	0	19.33	19.53	19.44			
20	16QAM	1	0	19.40	19.43	19.45	21	0	
20	16QAM	1	49	19.30	19.48	19.38			
20	16QAM	1	99	19.36	19.50	19.41			
20	16QAM	50	0	19.38	19.45	19.46			
20	16QAM	50	24	19.31	19.49	19.37	21	0	
20	16QAM	50	50	19.34	19.51	19.42			
20	16QAM	100	0	19.27	19.45	19.34			
20	64QAM	1	0	19.30	19.47	19.37			
20	64QAM	1	49	19.38	19.51	19.41	21	0	
20	64QAM	1	99	19.32	19.45	19.44			
20	64QAM	50	0	19.32	19.49	19.37			
20	64QAM	50	24	19.32	19.51	19.46	21	0	
20	64QAM	50	50	19.40	19.42	19.44			
20	64QAM	100	0	19.30	19.49	19.41			
20	256QAM	1	0	17.28	17.54	17.61			
20	256QAM	1	49	17.48	17.65	17.40	19	2	
20	256QAM	1	99	17.47	17.63	17.56			
20	256QAM	36	0	17.56	17.67	17.58			
20	256QAM	50	24	17.45	17.57	17.47	19	2	
20	256QAM	50	50	17.38	17.45	17.42			
20	256QAM	100	0	17.47	17.60	17.52			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.31	19.49	19.33			
15	QPSK	1	37	19.38	19.42	19.42	21	0	
15	QPSK	1	74	19.24	19.46	19.36			
15	QPSK	36	0	19.38	19.45	19.34			
15	QPSK	36	20	19.28	19.36	19.31	21	0	
15	QPSK	36	36	19.28	19.36	19.31			
15	QPSK	75	0	19.28	19.43	19.32			
15	16QAM	1	0	19.29	19.31	19.33			
15	16QAM	1	37	19.22	19.37	19.25	21	0	
15	16QAM	1	74	19.28	19.38	19.32			
15	16QAM	36	0	19.27	19.35	19.36			
15	16QAM	36	20	19.20	19.38	19.30	21	0	
15	16QAM	36	36	19.21	19.40	19.31			
15	16QAM	75	0	19.24	19.34	19.37			
15	64QAM	1	0	19.22	19.34	19.24			
15	64QAM	1	37	19.25	19.44	19.29	21	0	
15	64QAM	1	74	19.29	19.32	19.34			
15	64QAM	36	0	19.21	19.37	19.25			
15	64QAM	36	20	19.22	19.39	19.31	21	0	
15	64QAM	36	36	19.25	19.35	19.25			
15	64QAM	75	0	19.22	19.38	19.25			
15	256QAM	1	0	17.50	17.48	17.57	19	2	
15	256QAM	1	37	17.52	17.54	17.58			
15	256QAM	1	74	17.38	17.54	17.48			
15	256QAM	36	0	17.23	17.59	17.38	19	2	
15	256QAM	36	20	17.55	17.35	17.25			
15	256QAM	36	36	17.59	17.60	17.31			
15	256QAM	75	0	17.23	17.51	17.24			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.39	19.45	19.40			
10	QPSK	1	25	19.38	19.42	19.37	21	0	
10	QPSK	1	49	19.30	19.45	19.35			
10	QPSK	1	99	19.25	19.43	19.30			
10	QPSK	25	12	19.31	19.33	19.35	21	0	
10	QPSK	25	25	19.25	19.34	19.33			
10	QPSK	25	0	19.32	19.48	19.38			
10	16QAM	1	0	19.32	19.34	19.34			
10	16QAM	1	25	19.21	19.41	19.29	21	0	
10	16QAM	1	49	19.29	19.41	19.33			
10	16QAM	25	0	19.27	19.33	19.37			
10	16QAM	25	12	19.23	19.39	19.29	21	0	
10	16QAM	25	25	19.25	19.38	19.31			
10	16QAM	50	0	19.29	19.35	19.32			
10	64QAM	1	0	19.19	19.36	19.25			
10	64QAM	1	25	19.24	19.38	19.33	21	0	
10	64QAM	1	49	19.28	19.34	19.31			
10	64QAM	25	0	19.19	19.30	19.28			
10	64QAM	25	12	19.19	19.39	19.27	21	0	
10	64QAM	25	25	19.29	19.29	19.36			
10	64QAM	50	0	19.18	19.36	19.34			
10	256QAM	1	0	17.42	17.61	17.46			
10	256QAM	1	25	17.36	17.58	17.50	19	2	
10	256QAM	1	49	17.48	17.60	17.48			
10	256QAM	25	0	17.48	17.68	17.50			
10	256QAM	25	12	17.47	17.54	17.54	19	2	
10	256QAM	25	25	17.46	17.52	17.51			
10	256QAM	50	0	17.21	17.67	17.31			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.51	19.51	19.42			
5	QPSK	1	12	19.34	19.41	19.38	21	0	
5	QPSK	1	24	19.25	19.47	19.34			
5	QPSK	12	0	19.24	19.45	19.29			
5	QPSK	12	7	19.29	19.32	19.32	21	0	
5	QPSK	12	13	19.24	19.36	19.32			
5	QPSK	25	0	19.26	19.42	19.25			
5	16QAM	1	0	19.33	19.51	19.35			
5	16QAM	1	12	19.18	19.39	19.27	21	0	
5	16QAM	1	24	19.26	19.42	19.30			
5	16QAM	12	0	19.28	19.36	19.34			
5	16QAM	12	7	19.21	19.38	19.29	21	0	
5	16QAM	12	13	19.27	19.43	19.30			
5	16QAM	25	0	19.28	19.34	19.31			
5	64QAM	1	0	19.18	19.39	19.27	21	0	
5	64QAM	1	12	19.24	19.39	19.28			
5	64QAM	1	24	19.26	19.29	19.34			
5	64QAM	12	0	19.22	19.38	19.26			
5	64QAM	12	7	19.25	19.38	19.35	21	0	
5	64QAM	12	13	19.28	19.33	19.36			
5	64QAM	25	0	19.20	19.36	19.32			
5	256QAM	1	0	17.63	17.67	17.67			
5	256QAM	1	12	17.37	17.38	17.39	19	2	
5	256QAM	1	24	17.43	17.64	17.38			
5	256QAM	12	0	17.21	17.69	17.49			
5	256QAM	12	7	17.36	17.68	17.34			
5	256QAM	12	13	17.33	17.44	17.41	19	2	
5	256QAM	25	0	17.32	17.63	17.53			

Band 41 DS13&7 Ant0									
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Turn-up inst. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.62	19.61	19.63	19.63		
20	QPSK	1	49	19.73	19.60	19.63	19.55	19.45	21
20	QPSK	1	99	19.72	19.38	19.74	19.60	19.62	
20	QPSK	50	0	19.62	19.65	19.65	19.65	19.51	
20	QPSK	50	24	19.51	19.60	19.72	19.59	19.46	21
20	QPSK	50	50	19.75	19.67	19.44	19.43	19.42	
20	QPSK	100	0	19.71	19.61	19.79	19.53	19.47	
20	16QAM	1	0	19.60	19.67	19.73	19.54	19.65	
20	16QAM	1	49	19.69	19.57	19.58	19.47	19.53	21
20	16QAM	1	99	19.74	19.46	19.67	19.51	19.55	
20	16QAM	50	0	19.75	19.52	19.78	19.64	19.55	
20	16QAM	50	24	19.52	19.47	19.75	19.54	19.51	
20	16QAM	50	50	19.72	19.58	19.61	19.41	19.50	21
20	16QAM	100	0	19.72	19.57	19.73	19.45	19.45	
20	64QAM	1	0	19.53	19.54	19.61	19.57	19.47	
20	64QAM	1	49	19.79	19.48	19.70	19.56	19.41	21
20	64QAM	1	99	19.72	19.34	19.71	19.53	19.47	
20	64QAM	50	0	19.57	19.50	19.61	19.59	19.48	
20	64QAM	50	24	19.51	19.68	19.64	19.44	19.36	21
20	64QAM	50	50	19.75	19.69	19.61	19.50	19.52	
20	64QAM	100	0	19.73	19.52	19.58	19.47	19.51	
20	256QAM	1	0	17.65	17.48	17.55	17.71	17.74	
20	256QAM	1	49	17.51	17.49	17.73	17.68	17.47	19
20	256QAM	1	99	17.49	17.51	17.34	17.42	17.38	2
20	256QAM	36	0	17.63	17.71	17.67	17.75	17.71	
20	256QAM	50	24	17.60	17.55	17.52	17.65	17.56	19
20	256QAM	50	50	17.60	17.64	17.72	17.62	17.64	2
20	256QAM	100	0	17.59	17.64	17.72	17.62	17.64	2
Channel									
				36675	40165	40620	41695	41618	Turn-up inst. (dBm)
Frequency (MHz)									
5	QPSK	1	0	19.63	19.64	19.63	19.64	19.63	
5	QPSK	1	37	19.68	19.59	19.56	19.50	19.38	
5	QPSK	1	74	19.64	19.56	19.53	19.61	19.43	
5	QPSK	1	89	19.51	19.66	19.67	19.61	19.43	
5	QPSK	36	0	19.46	19.46	19.55	19.32	19.40	21
5	QPSK	36	36	19.64	19.55	19.52	19.44	19.36	
5	QPSK	75	0	19.68	19.56	19.58	19.48	19.47	
5	16QAM	1	0	19.46	19.56	19.70	19.34	19.48	
5	16QAM	1	37	19.65	19.53	19.52	19.44	19.36	21
5	16QAM	1	74	19.66	19.44	19.53	19.39	19.52	
5	16QAM	36	0	19.69	19.33	19.64	19.64	19.36	
5	16QAM	36	36	19.37	19.59	19.59	19.39	19.49	21
5	16QAM	75	0	19.51	19.45	19.63	19.39	19.49	
5	16QAM	75	36	19.41	19.38	19.63	19.37	19.37	
5	16QAM	1	0	19.49	19.50	19.63	19.50	19.67	
5	16QAM	1	37	19.76	19.73	19.64	19.54	19.48	21
5	16QAM	1	74	19.72	19.59	19.67	19.49	19.60	
5	16QAM	36	0	19.53	19.37	19.42	19.49	19.32	
5	16QAM	36	36	19.38	19.48	19.44	19.40	19.72	21
5	16QAM	75	0	19.66	19.66	19.59	19.75	19.49	
5	16QAM	75	0	19.73	19.40	19.57	19.47	19.51	
5	256QAM	1	0	17.63	17.66	17.66	17.73	17.73	
5	256QAM	1	37	17.63	17.73	17.56	17.57	17.52	19
5	256QAM	1	74	17.62	17.51	17.66	17.64	17.44	2
5	256QAM	36	0	17.60	17.60	17.60	17.60	17.60	
5	256QAM	36	36	17.49	17.53	17.37	17.44	17.54	19
5	256QAM	36	36	17.47	17.65	17.77	17.66	17.59	2
5	256QAM	100	0	17.59	17.74	17.74	17.74	17.74	2
Channel									
				36700	40160	40620	41695	41618	Turn-up inst. (dBm)
Frequency (MHz)									
5	QPSK	1	0	19.57	19.60	19.67	19.59	19.76	
5	QPSK	1	25	19.72	19.57	19.59	19.56	19.79	21
5	QPSK	1	89	19.67	19.53	19.53	19.45	19.36	
5	QPSK	25	0	19.49	19.59	19.48	19.52	19.30	
5	QPSK	25	12	19.51	19.39	19.54	19.19	19.44	21
5	QPSK	25	25	19.63	19.68	19.64	19.55	19.45	
5	QPSK	50	0	19.71	19.60	19.74	19.40	19.42	
5	16QAM	1	0	19.47	19.50	19.54	19.41	19.61	
5	16QAM	1	25	19.50	19.49	19.63	19.42	19.45	21
5	16QAM	1	49	19.60	19.40	19.53	19.38	19.45	
5	16QAM	25	0	19.70	19.34	19.74	19.46	19.55	
5	16QAM	25	12	19.32	19.52	19.60	19.39	19.44	21
5	16QAM	25	25	19.58	19.39	19.71	19.38	19.32	
5	16QAM	50	0	19.70	19.36	19.66	19.42	19.45	
5	16QAM	1	0	19.36	19.35	19.61	19.40	19.43	
5	16QAM	1	25	19.75	19.46	19.55	19.39	19.34	21
5	16QAM	1	49	19.58	19.31	19.61	19.40	19.43	
5	16QAM	25	0	19.43	19.43	19.53	19.42	19.29	
5	16QAM	25	12	19.72	19.59	19.52	19.71	19.43	21
5	16QAM	25	25	19.51	19.60	19.73	19.40	19.45	
5	16QAM	50	0	19.52	19.33	19.55	19.39	19.30	
5	16QAM	50	12	19.53	19.68	19.62	19.73	19.60	
5	256QAM	1	0	17.63	17.69	17.69	17.76	17.76	
5	256QAM	1	25	17.64	17.66	17.52	17.53	17.30	19
5	256QAM	1	49	17.68	17.42	17.65	17.66	17.57	2
5	256QAM	25	0	17.65	17.65	17.65	17.65	17.65	
5	256QAM	25	12	17.66	17.68	17.66	17.50	17.46	19
5	256QAM	25	25	17.66	17.54	17.67	17.62	17.57	2
5	256QAM	100	0	17.59	17.74	17.74	17.74	17.74	2
Channel									
				36675	40146	40620	41695	41698	Turn-up inst. (dBm)
Frequency (MHz)									
5	QPSK	1	0	19.46	19.41	19.63	19.49	19.49	
5	QPSK	1	12	19.53	19.40	19.57	19.49	19.35	
5	QPSK	1	34	19.56	19.56	19.56	19.42	19.34	
5	QPSK	12	0	19.50	19.61	19.58	19.50	19.35	
5	QPSK	12	7	19.38	19.48	19.67	19.35	19.36	21
5	QPSK	12	13	19.63	19.41	19.63	19.49	19.35	
5	QPSK	26	0	19.51	19.41	19.68	19.39	19.36	
5	16QAM	1	0	19.45	19.67	19.57	19.52	19.48	
5	16QAM	1	13	19.67	19.42	19.67	19.42	19.41	21
5	16QAM	1	24	19.51	19.40	19.62	19.31	19.51	
5	16QAM	12	0	19.75	19.62	19.62	19.49	19.53	
5	16QAM	12	7	19.69	19.73	19.59	19.57	19.60	21
5	16QAM	12	13	19.63	19.57	19.73	19.72	19.75	
5	16QAM	26	0	19.46	19.64	19.64	19.40	19.40	
5	16QAM	26	0	19.41	19.50	19.65	19.43	19.27	
5	16QAM	1	12	19.67	19.39	19.58	19.57	19.35	21
5	16QAM	1	24	19.55	19.41	19.61	19.35	19.30	
5	16QAM	12	7	19.58	19.57	19.70	19.34	19.35	21
5	16QAM	12	13	19.68	19.57	19.70	19.34	19.35	
5	16QAM	26	0	19.55	19.40	19.42	19.29	19.44	
5	256QAM	1	0	17.64	17.47	17.70	17.69	17.69	
5	256QAM	1	14	17.48	17.56	17.49	17.68	17.49	19
5	256QAM	1	24	17.42	17.47	17.73	17.66	17.55	2
5	256QAM	12	0	17.59	17.59	17.79	17.68	17.55	
5	256QAM	12	7	17.47	17.51	17.60	17.39	17.43	19
5	256QAM	25	13	17.74	17.67	17.60	17.36	17.50	
5	256QAM	25	17	17.72	17.72	17.64	17.42	17.42	



Band 38 DS16 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dB)	MPE (dB)	
Channel				37650	38000	38160			
Frequency (MHz)									
20	QPSK	1	0	21.61	21.61	21.33	23	0	
20	QPSK	1	49	21.50	21.52	21.38			
20	QPSK	1	99	21.37	21.59	21.45			
20	QPSK	56	0	21.52	21.51	21.22			
20	QPSK	50	24	21.38	21.46	21.48	23	0	
20	QPSK	50	50	21.25	21.50	21.37			
20	QPSK	100	0	21.34	21.47	21.23			
20	16QAM	1	0	21.32	21.38	21.24			
20	16QAM	1	49	21.41	21.43	21.45	23	0	
20	16QAM	1	99	21.39	21.39	21.35			
20	16QAM	50	0	20.36	20.40	20.33			
20	16QAM	50	24	20.39	20.35	20.29			
20	16QAM	50	50	20.31	20.22	20.16	22	1	
20	16QAM	100	0	20.29	20.42	20.26			
20	16QAM	1	0	20.25	20.35	20.29			
20	16QAM	1	49	20.24	20.39	20.27			
20	16QAM	1	99	20.23	20.35	20.20	22	1	
20	16QAM	56	0	19.38	19.41	19.25			
20	16QAM	50	24	19.22	19.35	19.13			
20	16QAM	50	50	19.13	19.32	19.14			
20	16QAM	100	0	19.28	19.40	19.26	21	2	
20	256QAM	1	0	17.29	17.75	17.44			
20	256QAM	1	49	17.65	17.37	17.44			
20	256QAM	1	99	17.37	17.62	17.55			
20	256QAM	50	0	17.41	17.37	17.29	19	4	
20	256QAM	50	24	17.43	17.40	17.41			
20	256QAM	50	50	17.18	17.64	17.38			
20	256QAM	100	0	17.48	17.48	17.25			
Channel				37625	38000	38125	Tune-up limit (dB)	MPE (dB)	
Frequency (MHz)									
15	QPSK	1	0	21.52	21.53	21.22	23	0	
15	QPSK	1	37	21.42	21.42	21.48			
15	QPSK	1	74	21.25	21.49	21.34			
15	QPSK	36	0	21.25	21.39	21.14			
15	QPSK	36	20	21.32	21.40	21.38	23	0	
15	QPSK	36	56	21.28	21.39	21.35			
15	QPSK	75	0	21.27	21.35	21.16			
15	16QAM	1	0	21.23	21.40	21.16			
15	16QAM	1	37	21.23	21.41	21.25	23	0	
15	16QAM	36	0	20.39	20.31	20.28			
15	16QAM	36	56	20.15	20.30	20.12			
15	16QAM	36	39	20.24	20.18	20.08			
15	16QAM	75	0	20.18	20.38	20.23	22	1	
15	16QAM	1	0	20.18	20.22	20.24			
15	16QAM	1	37	20.18	20.31	20.11			
15	16QAM	1	74	20.14	20.31	20.24			
15	16QAM	36	0	19.29	19.32	19.20	21	2	
15	16QAM	36	20	19.06	19.22	19.03			
15	16QAM	75	0	19.17	19.27	19.18			
15	256QAM	1	0	17.49	17.64	17.41			
15	256QAM	1	37	17.49	17.64	17.41	19	4	
15	256QAM	1	74	17.45	17.63	17.58			
15	256QAM	36	0	17.32	17.37	17.32			
15	256QAM	36	20	17.24	17.40	17.44			
15	256QAM	36	39	17.16	17.50	17.25	19	4	
15	256QAM	75	0	17.26	17.32	17.16			
Channel				37625	38000	38125	Tune-up limit (dB)	MPE (dB)	
Frequency (MHz)									
10	QPSK	1	0	21.34	21.43	21.22	23	0	
10	QPSK	1	25	21.38	21.42	21.46			
10	QPSK	1	49	21.28	21.48	21.37			
10	QPSK	15	0	21.32	21.42	21.33			
10	QPSK	25	12	21.31	21.39	21.40	23	0	
10	QPSK	25	25	21.19	21.41	21.30			
10	QPSK	36	0	21.23	21.38	21.12			
10	16QAM	1	0	21.23	21.41	21.15			
10	16QAM	1	25	21.34	21.35	21.33	23	0	
10	16QAM	1	49	21.52	21.43	21.27			
10	16QAM	25	0	20.23	20.29	20.22			
10	16QAM	25	12	20.22	20.27	20.15			
10	16QAM	25	25	20.21	20.28	20.15	22	1	
10	16QAM	50	0	20.21	20.23	20.17			
10	16QAM	12	0	20.21	20.18	20.03			
10	16QAM	25	0	20.27	20.29	20.16			
10	16QAM	1	0	20.20	20.23	20.24	22	1	
10	16QAM	1	12	20.19	20.26	20.22			
10	16QAM	1	24	20.11	20.24	20.19			
10	16QAM	12	0	19.23	19.39	19.14			
10	16QAM	12	13	19.11	19.27	19.01	21	2	
10	16QAM	25	0	19.27	19.31	19.12			
10	256QAM	1	0	17.52	17.71	17.44			
10	256QAM	1	12	17.63	17.54	17.51			
10	256QAM	1	24	17.30	17.56	17.34	19	4	
10	256QAM	12	0	17.28	17.57	17.16			
10	256QAM	12	7	17.25	17.32	17.20			
10	256QAM	12	13	17.34	17.49	17.32			
10	256QAM	25	0	17.52	17.48	17.27	19	4	
10	256QAM	25	0	17.52	17.48	17.27			

Band 41 DS16 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Power High Hb Ch / Freq	Tune-up limit (dBm)	MPE (dB)		
Channel				39750	40165	40600	41065	41600				
Frequency (MHz)												
20	QPSK	1	0	21.65	21.63	21.59	21.64	21.76	23	0		
20	QPSK	1	49	21.70	21.50	21.60	21.51	21.43				
20	QPSK	1	99	21.68	21.45	21.70	21.54	21.48				
20	QPSK	56	0	21.68	21.58	21.70	21.48	21.45				
20	QPSK	50	24	21.56	21.59	21.74	21.42	21.44	23	0		
20	QPSK	50	50	21.77	21.65	21.50	21.48	21.41				
20	QPSK	100	0	21.66	21.50	21.76	21.49	21.42				
20	16QAM	1	0	21.45	21.47	21.64	21.43	21.46				
20	16QAM	1	49	21.61	21.59	21.50	21.41	21.32	23	0		
20	16QAM	1	99	21.58	21.38	21.90	21.44	21.38				
20	16QAM	50	0	20.65	20.54	20.71	20.53	20.54				
20	16QAM	50	24	20.48	20.65	20.66	20.53	20.39				
20	16QAM	50	50	20.55	20.61	20.70	20.58	20.59	22	1		
20	16QAM	100	0	20.71	20.58	20.69	20.48	20.45				
20	16QAM	1	0	20.65	20.54	20.71	20.45	20.59				
20	16QAM	1	49	20.76	20.59	20.78	20.42	20.50				
20	16QAM	1	99	20.65	20.48	20.65	20.40	20.50	22	1		
20	16QAM	56	0	19.57	19.69	19.87	19.59	19.54				
20	16QAM	50	24	19.72	19.65	19.84	19.45	19.60				
20	16QAM	50	50	19.71	19.59	19.78	19.60	19.37				
20	16QAM	100	0	19.56	19.92	19.76	19.55	19.54	21	2		
20	256QAM	1	0	17.57	17.53	17.51	17.51	17.68				
20	256QAM	1	49	17.66	17.38	17.69	17.63	17.58				
20	256QAM	1	99	17.64	17.59	17.72	17.80	17.74				
20	256QAM	36	0	17.51	17.69	17.62	17.67	17.52	19	4		
20	256QAM	36	20	17.69	17.49	17.69	17.67	17.45				
20	256QAM	50	0	17.72	17.52	17.83	17.80	17.67				
20	256QAM	100	0	17.42	17.68	17.48	17.60	17.70				
Channel				39725	40173	40606	41068	41615	Tune-up limit (dBm)	MPE (dB)		
Frequency (MHz)												
15	QPSK	1	0	21.55	21.63	21.59	21.54	21.65	23	0		
15	QPSK	1	37	21.59	21.49	21.50	21.40	21.33				
15	QPSK	1	74	21.59	21.35	21.61	21.40	21.39				
15	QPSK	36	0	21.56	21.48	21.61	21.48	21.34				
15	QPSK	36	20	21.46	21.50	21.63	21.33	21.33	23	0		
15	QPSK	36	56	21.47	21.49	21.62	21.31	21.31				
15	QPSK	75	0	21.55	21.40	21.61	21.39	21.31	23	0		
15	16QAM	1	0	21.34	21.38	21.54	21.33	21.29				
15	16QAM	1	21	21.51	21.43	21.45	21.31	21.22				
15	16QAM	1	74	21.49	21.26	21.50	21.33	21.29				
15	16QAM	36	0	20.56	20.51	20.63	20.33	20.38	22	1		
15	16QAM	36	20	20.44	20.51	20.67	20.35	20.38				
15	16QAM	36	56	20.44	20.51	20.68	20.44	20.46				
15	16QAM	75	0	20.56	20.39	20.57	20.37	20.40				
15	16QAM	1	0	20.56	20.39	20.57	20.37	20.41	22	1		
15	16QAM	1	37	20.56	20.48	20.75	20.38	20.44				
15	16QAM	1	21	20.56	20.48	20.66	20.38	20.40				
15	16QAM	36	0	19.37	19.55	19.54	19.42	19.48				
15	16QAM	36	20	19.34	19.40	19.67	19.43	19.46	21	2		
15	16QAM	36	56	19.51	19.49	19.59	19.32	19.35				
15	16QAM	75	0	19.35	19.34	19.59	19.32	19.35				
15	256QAM	1	0	17.46	17.46	17.58	17.46	17.58				
15	256QAM	1	37	17.70	17.54	17.74	17.48	17.43	19	4		
15	256QAM	1	74	17.78	17.48	17.77	17.59	17.58				
15	256QAM	36	0	17.54	17.67	17.68	17.67	17.56				
15	256QAM	36	20	17.40	17.52	17.60	17.35	17.51				
15	256QAM	36	56	17.64	17.77	17.71	17.46	17.50	19	4		
15	256QAM	50	0	17.67	17.68	17.68	17.61	17.61				
Channel				39700	40166	40600	41065	41619			Tune-up limit (dBm)	MPE (dB)
Frequency (MHz)												
5	QPSK	1	0	21.55	21.63	21.59	21.54	21.65	23	0		
5	QPSK	1	25	21.60	21.40	21.51	21.40	21.33				
5	QPSK	1	49	21.59	21.35	21.61	21.40	21.39				
5	QPSK	25	0	21.55	21.49	21.60	21.49	21.35				
5	QPSK	25	12	21.46	21.49	21.65	21.38	21.33	23	0		
5	QPSK	25	25	21.47	21.50	21.67	21.35	21.32				
5	QPSK	50	0	21.57	21.40	21.61	21.39	21.31	23	0		
5	16QAM	1	0	21.34	21.38	21.53	21.34	21.36				
5	16QAM	1	21	21.52	21.39	21.39	21.31	21.22				
5	16QAM	1	49	21.47	21.25	21.51	21.34	21.28				
5	16QAM	25	0	20.48	20.45	20.56	20.46	20.49	22	1		
5	16QAM	25	12	20.50	20.45	20.68	20.44	20.47				
5	16QAM	25	25	20.56	20.51	20.62	20.53	20.57				
5	16QAM	50	0	20.67	20.41	20.68	20.41	20.44				
5	16QAM	1	0	20.56	20.48	20.72	20.37	20.50	22	1		
5	16QAM	1	25	20.62	20.42	20.73	20.32	20.32				
5	16QAM	1	49	20.63	20.44	20.69	20.44	20.45				
5	16QAM	25	0	19.55	19.57	19.81	19.52	19.48				
5	16QAM	25	12	19.71	19.65	19.83	19.35	19.49	21	2		
5	16QAM	25	25	19.54	19.59	19.85	19.35	19.55				
5	16QAM	50	0	19.35	19.51	19.79	19.55	19.44				
5	16QAM	50	12	17.76	17.65	17.68	17.62	17.61				
5	16QAM	1	25	17.66	17.51	17.59	17.68	17.74	19	4		
5	256QAM	1	49	17.74	17.41	17.67	17.73	17.56				
5	256QAM	25	0	17.72	17.62	17.68	17.68	17.64				
5	256QAM	25	12	17.47	17.69	17.62	17.56	17.41				
5	256QAM	25	25	17.68	17.60	17.77	17.74	17.54	19	4		
5	256QAM	50	0	17.60	17.67	17.52	17.75	17.60				
Channel				39675	40166	40600	41065	41669			Tune-up limit (dBm)	MPE (dB)
Frequency (MHz)												
5	QPSK	1	0	21.55	21.58	21.60	21.53	21.61	23	0		
5	QPSK	1	12	21.61	21.41	21.51	21.42	21.33				
5	QPSK	1	24	21.58	21.34	21.67	21.40	21.35				
5	QPSK	12	0	21.56	21.49	21.59	21.49	21.35				
5	QPSK	12	7	21.45	21.50	21.63	21.32	21.35	23	0		
5	QPSK	12	13	21.66	21.45	21.60	21.40	21.35				
5	QPSK	25	0	21.56	21.41	21.60	21.39	21.32	23	0		
5	16QAM	1	0	21.36	21.38	21.54	21.33	21.37				
5	16QAM	1	12	21.52	21.39	21.41	21.33	21.24				
5	16QAM	1	24	21.49	21.25	21.49	21.34	21.28				
5	16QAM	1	25	20.53	20.33	20.56	20.33	20.31	22	1		
5	16QAM	12	7	20.56	20.46	20.58	20.33	20.31				
5	16QAM	12	13	20.49	20.57	20.58	20.44	20.47				
5	16QAM	25	0	20.65	20.37	20.64	20.39	20.48				
5	16QAM	1	0	20.63	20.45	20.72	20.48	20.43	22	1		
5	16QAM	1	12	20.60	20.45	20.63	20.41	20.45				
5	16QAM	1	24	20.67	20.42	20.69	20.42	20.45				
5	16QAM	12	0	19.53	19.48	19.67	19.58	19.48				
5	16QAM	12	7	19.50	19.35	19.58	19.41	19.52	21	2		
5	16QAM	12	13	19.52	19.43	19.76	19.43	19.43				
5	16QAM	25	0	19.50	19.35	19.58	19.52	19.53				
5	16QAM	25	7	17.51	17.63	17.63	17.61	17.61				
5	256QAM	1	49	17.63	17.37	17.67	17.63	17.77	19	4		
5	256QAM	1	24	17.73	17.48	17.73	17.65	17.79				
5	256QAM	12	0	17.72	17.67	17.67	17.75	17.75				
5	256QAM	12	7	17.59	17.47	17.67	17.63	17.43				
5	256QAM	25	0	17.63	17.66	17.71	17.62	17.69	19	4		
5	256QAM	25	13	17.73	17.62	17.77	17.75	17.69				





Band 2 DSI3&7 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (s)	MPE (dB)		
Channel										
1800 1800 1900										
20	QPSK	1	0	15.43	15.50	15.37	17	0		
20	QPSK	1	40	15.34	15.43	15.35				
20	QPSK	1	90	15.26	15.35	15.28				
20	QPSK	50	0	15.39	15.43	15.31				
20	QPSK	24	0	15.27	15.38	15.29	17	0		
20	QPSK	50	50	15.20	15.28	15.19				
20	QPSK	100	0	15.36	15.42	15.31				
20	QPSK	100	0	15.28	15.38	15.32				
20	HQAM	1	40	15.23	15.31	15.24	17	0		
20	HQAM	1	90	15.36	15.40	15.32				
20	HQAM	50	0	15.32	15.35	15.30				
20	HQAM	50	24	15.23	15.32	15.23				
20	HQAM	50	50	15.30	15.41	15.26	17	0		
20	HQAM	100	0	15.21	15.32	15.23				
20	HQAM	100	0	15.28	15.38	15.32				
20	HQAM	1	0	15.22	15.44	15.13				
20	HQAM	1	40	15.36	15.40	15.32	17	0		
20	HQAM	50	0	15.18	15.28	15.22				
20	HQAM	50	24	15.36	15.40	15.29				
20	HQAM	50	50	15.38	15.35	15.30				
20	256QAM	1	90	15.07	15.25	15.20	17	0		
20	256QAM	36	36	18.08	18.13	18.03				
20	256QAM	36	20	18.34	18.11	18.15				
20	256QAM	75	0	18.12	18.24	18.18				
20	256QAM	50	50	15.10	15.22	15.08	17	0		
20	256QAM	100	0	15.22	15.28	15.15				
Channel				1807.5	1800	1912.5	Turn-up time (s)	MPE (dB)		
1807.5 1800 1912.5										
15	QPSK	1	0	18.32	18.38	18.27	17	0		
15	QPSK	1	37	18.22	18.34	18.29				
15	QPSK	1	74	18.17	18.25	18.19				
15	QPSK	36	36	18.31	18.31	18.19				
15	QPSK	36	36	18.19	18.24	18.18	17	0		
15	QPSK	36	39	18.09	18.16	18.06				
15	QPSK	75	0	18.24	18.30	18.20				
15	HQAM	1	0	18.15	18.25	18.22				
15	HQAM	1	37	18.13	18.21	18.17	17	0		
15	HQAM	36	0	18.28	18.34	18.25				
15	HQAM	36	36	18.21	18.23	18.18				
15	HQAM	75	0	18.25	18.28	18.20				
15	HQAM	36	20	18.13	18.20	18.18	17	0		
15	HQAM	36	36	18.20	18.28	18.25				
15	HQAM	75	0	18.20	18.28	18.18				
15	HQAM	1	0	18.11	18.20	18.10				
15	HQAM	36	36	18.28	18.31	18.25	17	0		
15	HQAM	1	74	18.23	18.20	18.17				
15	HQAM	36	0	18.10	18.18	18.13				
15	HQAM	36	36	18.25	18.28	18.20				
15	HQAM	75	0	18.09	18.20	18.13	17	0		
15	HQAM	75	0	18.25	18.28	18.18				
15	HQAM	36	36	18.25	18.28	18.18				
15	HQAM	36	36	18.15	18.25	18.15				
15	256QAM	1	37	18.13	18.16	18.12	19	1		
15	256QAM	1	74	18.07	18.01	18.16				
15	256QAM	36	36	18.08	18.13	18.03				
15	256QAM	36	20	18.34	18.11	18.15				
15	256QAM	36	20	18.34	18.11	18.15	17	0		
15	256QAM	36	39	18.18	18.09	18.02				
15	256QAM	75	0	18.12	18.24	18.18				
15	256QAM	75	0	18.12	18.24	18.18				
Channel				1855	1860	1905	Turn-up time (s)	MPE (dB)		
1855 1860 1905										
10	QPSK	1	0	18.57	18.40	18.40	17	0		
10	QPSK	1	25	18.24	18.33	18.25				
10	QPSK	1	49	18.17	18.25	18.18				
10	QPSK	25	0	18.27	18.31	18.26				
10	QPSK	25	12	18.21	18.28	18.20	17	0		
10	QPSK	25	12	18.21	18.28	18.24				
10	QPSK	25	25	18.07	18.20	18.08				
10	QPSK	25	25	18.20	18.30	18.20				
10	HQAM	1	0	18.20	18.23	18.19	17	0		
10	HQAM	1	25	18.13	18.23	18.14				
10	HQAM	25	0	18.21	18.22	18.21				
10	HQAM	25	12	18.13	18.25	18.12				
10	HQAM	50	0	18.18	18.27	18.18	17	0		
10	HQAM	50	0	18.18	18.27	18.18				
10	HQAM	1	0	18.09	18.24	18.11				
10	HQAM	1	49	18.23	18.29	18.20				
10	HQAM	25	12	18.13	18.25	18.12	17	0		
10	HQAM	25	12	18.13	18.25	18.12				
10	HQAM	50	0	18.16	18.27	18.18				
10	HQAM	50	0	18.16	18.27	18.18				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	74	18.22	18.07	18.24				
10	256QAM	1	25	18.19	18.15	18.09	17	0		
10	256QAM	1	49	18.16	18.13	18.06				
10	256QAM	1</								

Band 2 DS16 UL_CA Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	12.84	12.81	12.80	14.5	0				
20	QPSK	1	49	12.84	12.85	12.88						
20	QPSK	1	99	12.76	12.86	12.84						
20	QPSK	50	0	12.80	12.83	12.83						
20	QPSK	24	0	12.70	12.75	12.67						
20	QPSK	50	50	12.74	12.71	12.67						
20	QPSK	100	0	12.77	12.66	12.68						
20	QPSK	50	0	12.80	12.78	12.61						
20	HQAM	1	49	12.76	12.68	12.64			14.5	0		
20	HQAM	1	99	12.82	12.87	12.83						
20	HQAM	50	0	12.74	12.77	12.69						
20	HQAM	50	24	12.87	12.71	12.70						
20	HQAM	50	50	12.76	12.90	12.86						
20	HQAM	100	0	12.77	12.89	12.85						
20	HQAM	1	0	12.82	12.78	12.72						
20	HQAM	1	49	12.88	12.91	12.85						
20	HQAM	50	99	12.85	12.88	12.79						
20	HQAM	50	0	12.77	12.86	12.80						
20	HQAM	50	24	12.88	12.87	12.80						
20	HQAM	100	20	12.82	12.83	12.75						
20	HQAM	100	0	12.79	12.71	12.62						
20	SSBQAM	1	99	12.89	12.75	12.57	14.5	0				
20	SSBQAM	24	0	12.80	12.84	12.82						
20	SSBQAM	50	24	12.81	12.92	12.74						
20	SSBQAM	50	0	12.84	12.63	12.71						
20	SSBQAM	100	0	12.80	12.77	12.61						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.07	18.00	18.02			14.5	0		
15	QPSK	1	37	12.74	12.86	12.83						
15	QPSK	1	74	12.72	12.77	12.65						
15	QPSK	36	0	12.77	12.88	12.71						
15	QPSK	20	0	12.71	12.82	12.65						
15	QPSK	36	36	12.62	12.66	12.75						
15	QPSK	75	0	12.76	12.74	12.67						
15	HQAM	1	37	12.71	12.74	12.71						
15	HQAM	1	37	12.60	12.69	12.59						
15	HQAM	36	20	12.67	12.78	12.68						
15	HQAM	36	20	12.58	12.71	12.61						
15	HQAM	75	0	12.70	12.68	12.77						
15	HQAM	1	0	12.71	12.68	12.68						
15	HQAM	1	37	12.74	12.66	12.67						
15	HQAM	36	0	12.75	12.67	12.66						
15	HQAM	36	36	12.65	12.77	12.68						
15	HQAM	36	36	12.69	12.65	12.68						
15	HQAM	75	0	12.67	12.67	12.60						
15	HQAM	75	0	12.66	12.75	12.65						
15	SSBQAM	1	37	12.72	12.70	12.70	14.5	0				
15	SSBQAM	1	74	12.70	12.62	12.66						
15	SSBQAM	36	20	12.74	12.68	12.64						
15	SSBQAM	36	20	12.62	12.61	12.67						
15	SSBQAM	36	39	12.69	12.65	12.68						
15	SSBQAM	75	0	12.62	12.60	12.72						
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.00	18.00	18.00			14.5	0		
10	QPSK	1	25	12.76	12.78	12.75						
10	QPSK	1	49	12.84	12.79	12.72						
10	QPSK	10	0	12.73	12.74	12.63						
10	QPSK	25	12	12.73	12.63	12.68						
10	QPSK	25	25	12.65	12.67	12.74						
10	HQAM	1	0	12.84	12.71	12.68						
10	HQAM	1	25	12.70	12.67	12.68						
10	HQAM	25	0	12.75	12.81	12.72						
10	HQAM	25	12	12.69	12.67	12.68						
10	HQAM	25	12	12.78	12.78	12.61						
10	HQAM	50	0	12.67	12.62	12.75						
10	HQAM	1	0	12.65	12.66	12.62						
10	HQAM	1	25	12.76	12.63	12.67						
10	HQAM	1	49	12.69	12.61	12.71						
10	HQAM	25	0	12.67	12.65	12.72						
10	HQAM	25	12	12.61	12.65	12.67						
10	HQAM	50	0	12.61	12.66	12.62						
10	SSBQAM	1	49	12.67	12.68	12.62	14.5	0				
10	SSBQAM	1	25	12.64	12.54	12.65						
10	SSBQAM	1	49	12.68	12.70	12.57						
10	SSBQAM	12	0	12.71	12.60	12.65						
10	SSBQAM	25	12	12.66	12.71	12.69						
10	SSBQAM	25	25	12.58	12.61	12.56						
10	SSBQAM	50	0	12.64	12.55	12.73						
Channel												
Frequency (MHz)												
5	QPSK	1	0	12.83	12.81	12.82			14.5	0		
5	QPSK	1	12	12.83	12.87	12.85						
5	QPSK	1	24	12.80	12.70	12.70						
5	QPSK	12	0	12.73	12.80	12.65						
5	QPSK	12	7	12.63	12.73	12.63						
5	QPSK	12	13	12.67	12.71	12.72						
5	QPSK	25	0	12.77	12.63	12.68						
5	HQAM	1	0	12.83	12.83	12.67						
5	HQAM	1	12	12.63	12.67	12.70						
5	HQAM	1	12	12.68	12.67	12.65						
5	HQAM	12	0	12.80	12.72	12.73						
5	HQAM	12	7	12.62	12.70	12.68						
5	HQAM	12	13	12.65	12.60	12.71						
5	HQAM	25	0	12.69	12.76	12.67						
5	HQAM	1	0	12.88	12.78	12.62						
5	HQAM	1	12	12.71	12.73	12.65						
5	HQAM	1	24	12.59	12.75	12.68						
5	HQAM	12	0	12.73	12.60	12.75						
5	HQAM	12	7	12.77	12.63	12.68						
5	HQAM	12	13	12.61	12.81	12.73						
5	HQAM	25	0	12.62	12.70	12.75						
5	SSBQAM	1	0	12.88	12.83	12.63	14.5	0				
5	SSBQAM	1	12	12.71	12.67	12.60						
5	SSBQAM	1	24	12.76	12.58	12.60						
5	SSBQAM	12	0	12.61	12.80	12.64						
5	SSBQAM	12	7	12.71	12.71	12.68						
5	SSBQAM	12	13	12.64	12.63	12.71						
5	SSBQAM	25	0	12.71	12.63	12.65						
Channel												
Frequency (MHz)												
3	QPSK	1	0	12.82	12.85	12.75			14.5	0		
3	QPSK	1	8	12.71	12.78	12.72						
3	QPSK	1	14	12.76	12.73	12.68						
3	QPSK	8	0	12.68	12.80	12.85						
3	QPSK	8	4	12.74	12.77	12.62						
3	QPSK	8	7	12.68	12.66	12.72						
3	QPSK	14	0	12.85	12.85	12.73						
3	HQAM	1	0	12.87	12.78	12.67						
3	HQAM	1	8	12.80	12.78	12.69						
3	HQAM	1	14	12.81	12.73	12.69						
3	HQAM	8	0	12.87	12.85	12.69						
3	HQAM	8	4	12.82	12.80	12.62						
3	HQAM	8	7	12.74	12.83	12.61						
3	HQAM	14	0	12.80	12.72	12.70	14.5	0				
3	HQAM	14	8	12.75	12.68	12.65						
3	HQAM	14	14	12.69	12.80	12.64						
3	HQAM	8	0	12.89	12.80	12.64						
3	HQAM	1	14	12.88	12.71	12.69						
3	HQAM	1	8	12.88	12.83	12.75						
3	HQAM	8	4	12.83	12.80	12.76						
3	HQAM	8	7	12.78	12.77	12.68						
3	HQAM	14	0	12.68	12.54	12.65						
3	HQAM	14	14	12.61	12.72	12.67						
3	HQAM	8	0	12.78	12.78	12.68						
3	HQAM	8	4	12.87	12.87	12.65						
3	HQAM	8	7	12.81	12.69	12.63						
3	SSBQAM	14	0	12.68	12.78	12.54	14.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.07	18.00	18.02			14.5	0		
1.4	QPSK	1	8	12.71	12.78	12.72						
1.4	QPSK	1	14	12.76	12.73	12.68						
1.4	QPSK	8	0	12.68	12.80	12.85						
1.4	QPSK	8	4	12.74	12.77	12.62						
1.4	QPSK	8	7	12.68	12.66	12.72						
1.4	QPSK	14	0	12.85	12.85	12.73						
1.4	HQAM	1	0	12.87	12.78	12.67						
1.4	HQAM	1	8	12.80	12.78	12.69						
1.4	HQAM	1	14	12.81	12.73	12.69						
1.4	HQAM	8	0	12.87	12.85	12.69						
1.4	HQAM	8	4	12.82	12.80	12.62						
1.4	HQAM	8	7	12.74	12.83	12.61						
1.4	HQAM	14	0	12.80	12.72	12.70	14.5	0				
1.4	HQAM	14	8	12.75	12.68	12.65						
1.4	HQAM	14	14	12.69	12.80	12.64						
1.4	HQAM	8	0	12.89	12.80	12.64						
1.4	HQAM	1	14	12.88	12.71	12.69						
1.4	HQAM	1	8	12.88	12.83	12.75						
1.4	HQAM	8	4	12.83	12.80	12.76						
1.4	HQAM	8	7	12.78	12.77	12.67						
1.4	HQAM	14	0	12.68	12.54	12.65						
1.4	HQAM	14	14	12.61	12.69	12.68						
1.4	HQAM	8	0	12.89	12.75	12.59						
1.4	HQAM	8	4	12.87	12.87	12.65						
1.4	HQAM	8	7	12.81	12.69	12.63						
1.4	SSBQAM	14	0	12.68	12.78	12.54	14.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.07	18.00	18.02			14.5	0		
1.4	QPSK	1	8	12.71	12.78	12.72						
1.4	QPSK	1	14	12.76	12.73	12.68						
1.4	QPSK	8	0	12.68	12.80	12.85						
1.4	QPSK	8	4	12.74	12.77	12.62						
1.4	QPSK	8	7	12.68	12.66	12.72						
1.4	QPSK	14	0	12.85	12.85	12.68						
1.4	HQAM	1	0	12.87	12.80	12.67						
1.4	HQAM	1	8	12.80	12.78	12.69						
1.4	HQAM	1	14	12.81	12.73	12.69						
1.4	HQAM	8	0	12.87	12.85	12.69						
1.4	HQAM	8	4	12.82	12.80	12.62						
1.4	HQAM	8	7	12.74	12.83	12.61						

Band 4 DS17 Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)			
Channel											
20050 17120 17120 1745											
20	QPSK	1	0	16.82	17.07	16.88	18.5	0			
20	QPSK	1	49	16.75	17.01	16.88					
20	QPSK	1	99	16.80	16.99	16.83					
20	QPSK	50	0	16.82	17.03	16.89					
20	QPSK	50	24	16.89	16.94	16.88	18.5	0			
20	QPSK	50	50	16.88	16.87	16.85					
20	QPSK	100	0	16.70	16.91	16.90					
20	QPSK	100	0	16.73	16.87	16.89					
20	HQAM	1	49	16.77	16.80	16.85	18.5	0			
20	HQAM	1	99	16.86	16.87	16.84					
20	HQAM	50	0	16.71	16.85	16.81					
20	HQAM	50	24	16.74	16.85	16.86					
20	HQAM	50	50	16.71	16.85	16.84	18.5	0			
20	HQAM	100	0	16.71	16.90	16.86					
20	HQAM	1	0	16.76	16.86	16.86					
20	HQAM	1	49	16.85	16.87	16.82					
20	HQAM	50	0	16.75	16.82	16.84	18.5	0			
20	HQAM	50	24	16.69	16.86	16.86					
20	HQAM	50	50	16.75	16.82	16.85					
20	HQAM	100	0	16.75	16.83	16.88					
20	HQAM	1	99	16.69	16.88	16.77	18.5	0			
20	HQAM	1	99	16.69	16.88	16.77					
20	HQAM	50	0	16.72	16.85	16.85					
20	HQAM	50	24	16.57	16.82	16.82					
20	HQAM	50	50	16.55	16.65	16.64	18.5	0			
20	HQAM	100	0	16.56	16.73	16.69					
Channel											
20050 17175 17175 1745											
15	QPSK	1	0	16.77	16.97	16.93	18.5	0			
15	QPSK	1	37	16.70	16.94	16.89					
15	QPSK	1	74	16.68	16.89	16.83					
15	QPSK	36	0	16.70	16.96	16.79					
15	QPSK	36	36	16.57	16.83	16.79	18.5	0			
15	QPSK	36	36	16.58	16.81	16.78					
15	QPSK	75	0	16.61	16.79	16.82					
15	QPSK	75	0	16.60	16.81	16.75					
15	HQAM	1	37	16.64	16.86	16.79	18.5	0			
15	HQAM	1	37	16.64	16.86	16.79					
15	HQAM	36	0	16.60	16.77	16.77					
15	HQAM	36	20	16.67	16.71	16.77					
15	HQAM	36	20	16.67	16.71	16.77	18.5	0			
15	HQAM	75	0	16.52	16.78	16.77					
15	HQAM	75	0	16.52	16.78	16.77					
15	HQAM	1	0	16.69	16.77	16.77					
15	HQAM	1	37	16.55	16.59	16.62	18.5	0			
15	HQAM	1	37	16.55	16.59	16.62					
15	HQAM	1	74	16.55	16.77	16.75					
15	HQAM	36	0	16.66	16.71	16.71					
15	HQAM	36	20	16.62	16.54	16.76	18.5	0			
15	HQAM	36	36	16.55	16.72	16.75					
15	HQAM	75	0	16.68	16.72	16.75					
15	HQAM	75	0	16.58	16.78	16.78					
15	HQAM	1	37	16.59	16.74	16.80	18.5	0			
15	HQAM	1	37	16.59	16.74	16.80					
15	HQAM	1	74	16.62	16.69	16.87					
15	HQAM	36	20	16.54	16.73	16.80					
15	HQAM	36	20	16.58	16.81	16.79	18.5	0			
15	HQAM	36	36	16.60	16.73	16.81					
15	HQAM	75	0	16.63	16.81	16.81					
15	HQAM	75	0	16.63	16.81	16.81					
Channel											
20050 17175 17175 1745											
10	QPSK	1	0	16.67	16.86	16.82	18.5	0			
10	QPSK	1	25	16.69	16.93	16.84					
10	QPSK	1	49	16.71	16.86	16.83					
10	QPSK	25	0	16.66	16.86	16.80					
10	QPSK	25	12	16.58	16.83	16.79	18.5	0			
10	QPSK	25	12	16.58	16.83	16.79					
10	QPSK	25	25	16.59	16.82	16.78					
10	QPSK	25	25	16.60	16.82	16.78					
10	HQAM	1	0	16.65	16.79	16.79	18.5	0			
10	HQAM	1	25	16.66	16.81	16.75					
10	HQAM	1	49	16.65	16.77	16.75					
10	HQAM	25	0	16.60	16.79	16.72					
10	HQAM	25	12	16.65	16.73	16.75	18.5	0			
10	HQAM	25	12	16.60	16.74	16.80					
10	HQAM	50	0	16.55	16.78	16.76					
10	HQAM	50	0	16.55	16.78	16.76					
10	HQAM	1	25	16.59	16.87	16.75	18.5	0			
10	HQAM	1	49	16.57	16.77	16.75					
10	HQAM	25	0	16.67	16.72	16.73					
10	HQAM	25	12	16.62	16.67	16.80					
10	HQAM	50	0	16.65	16.83	16.79	18.5	0			
10	HQAM	50	0	16.65	16.83	16.79					
10	HQAM	1	25	16.65	16.92	16.88					
10	HQAM	1	49	16.65	16.89	16.85					
10	HQAM	12	0	16.62	16.72	16.85	18.5	0			
10	HQAM	12	0	16.62	16.72	16.85					
10	HQAM	25	12	16.62	16.61	16.77					
10	HQAM	25	25	16.50	16.69	16.51					
10	HQAM	50	0	16.56	16.67	16.70	18.5	0			
10	HQAM	50	0	16.56	16.67	16.70					
Channel											
19975 17175 17175 1745											
5	QPSK	1	0	16.67	16.86	16.82	18.5	0			
5	QPSK	1	12	16.66	16.91	16.88					
5	QPSK	1	24	16.71	16.92	16.82					
5	QPSK	12	0	16.73	16.95	16.86					
5	QPSK	12	7	16.59	16.84	16.79	18.5	0			
5	QPSK	12	13	16.59	16.79	16.81					
5	QPSK	25	0	16.64	16.81	16.81					
5	HQAM	1	0	16.64	16.81	16.77					
5	HQAM	1	12	16.66	16.77	16.75	18.5	0			
5	HQAM	1	24	16.57	16.78	16.74					
5	HQAM	12	0	16.69	16.75	16.72					
5	HQAM	12	7	16.68	16.72	16.75					
5	HQAM	12	13	16.62	16.50	16.78	18.5	0			
5	HQAM	12	13	16.62	16.50	16.78					
5	HQAM	25	0	16.66	16.78	16.78					
5	HQAM	25	0	16.67	16.74	16.80					
5	HQAM	1	0	16.59	16.60	16.79	18.5	0			
5	HQAM	1	24	16.66	16.73	16.73					
5	HQAM	12	0	16.64	16.69	16.76					
5	HQAM	12	7	16.65	16.58	16.80					
5	HQAM	12	13	16.64	16.79	16.77	18.5	0			
5	HQAM	25	0	16.66	16.72	16.79					
5	HQAM	1	0	16.69	16.92	16.87					
5	HQAM	1	12	16.56	16.67	16.86					
5	HQAM	1	24	16.60	16.69	16.76	18.5	0			
5	HQAM	12	0	16.65	16.74						
5	HQAM	12	7	16.65	16.72						
5	HQAM	12	13	16.64	16.89						
5	HQAM	25	0	16.63	16.81						
5	HQAM	25	12	16.63	16.81						
5	HQAM	25	25	16.63	16.81						
5	HQAM	75	0	16.63	16.81						
5	HQAM	75	0	16.63	16.81						
5	HQAM	1	0	16.64	16.81						
5	HQAM	1	14	16.63	16.81						
5	HQAM	1	28	16.59	16.80						
5	HQAM	1	42	16.63	16.80						
5	HQAM	1	56	16.63	16.80						
5	HQAM	8	7	16.63	16.83						
5	HQAM	8	7	16.62	16.75						
5	HQAM	8	7	16.61	16.73						
5	HQAM	8	7	16.59	16.57						
5	HQAM	1	14	16.66	16.75						
5	HQAM	1	14	16.66	16.75						
5	HQAM	8	4	16.64	16.85						
5	HQAM	8	4	16.64	16.85						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80						
5	HQAM	15	0	16.68	16.80</						



Band 4 DS17 UL_CA

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.35	13.55	13.40	15	0		
20	QPSK	1	49	13.18	13.47	13.38				
20	QPSK	1	99	13.16	13.41	13.42				
20	QPSK	1	0	13.17	13.42	13.32				
20	QPSK	50	0	13.10	13.38	13.36	15	0		
20	QPSK	50	50	13.17	13.39	13.27				
20	QPSK	100	0	13.20	13.30	13.22				
20	QPSK	100	50	13.26	13.33	13.29				
20	16QAM	1	49	13.12	13.39	13.37	15	0		
20	16QAM	1	99	13.08	13.34	13.34				
20	16QAM	50	0	13.10	13.30	13.12				
20	16QAM	50	50	13.12	13.29	13.28				
20	16QAM	100	0	13.11	13.27	13.18	15	0		
20	16QAM	100	50	13.13	13.25	13.21				
20	64QAM	1	0	13.31	13.31	13.32				
20	64QAM	1	49	13.11	13.24	13.19				
20	64QAM	50	0	13.12	13.28	13.24	15	0		
20	64QAM	50	50	13.11	13.31	13.30				
20	64QAM	100	0	13.11	13.32	13.16				
20	256QAM	1	49	13.10	13.33	13.34				
20	256QAM	1	99	13.10	13.28	13.36	19	0.5		
20	256QAM	50	0	13.11	13.42	13.15				
20	256QAM	50	50	13.12	13.43	13.24				
20	256QAM	50	100	13.10	13.18	13.21				
20	256QAM	100	0	13.11	13.32	13.21	19	0.5		
20	256QAM	100	50	13.12	13.31	13.29				
20	256QAM	100	100	13.13	13.32	13.28				
20	256QAM	100	150	13.14	13.33	13.29				
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.27	13.45	13.30	15	0		
20	QPSK	1	49	13.09	13.47	13.37				
20	QPSK	1	99	13.11	13.36	13.34				
20	QPSK	1	0	13.08	13.42	13.32				
20	QPSK	50	0	13.13	13.38	13.32	15	0		
20	QPSK	50	50	13.18	13.37	13.32				
20	QPSK	100	0	13.16	13.37	13.32				
20	QPSK	100	50	13.18	13.35	13.32				
20	16QAM	1	49	13.08	13.27	13.29	15	0		
20	16QAM	1	99	13.10	13.28	13.32				
20	16QAM	50	0	13.11	13.27	13.17				
20	16QAM	50	50	13.13	13.24	13.32				
20	16QAM	100	0	13.09	13.22	13.18	15	0		
20	16QAM	100	50	13.14	13.29	13.24				
20	64QAM	1	0	13.27	13.35	13.37				
20	64QAM	1	49	13.07	13.31	13.25				
20	64QAM	50	0	13.04	13.29	13.13	15	0		
20	64QAM	50	50	13.04	13.29	13.13				
20	64QAM	100	0	13.05	13.32	13.12				
20	64QAM	100	50	13.04	13.18	13.10				
20	256QAM	1	49	13.07	13.31	13.35	19	0.5		
20	256QAM	1	99	13.07	13.27	13.35				
20	256QAM	50	0	13.07	13.32	13.12				
20	256QAM	50	50	13.07	13.32	13.12				
20	256QAM	100	0	13.08	13.34	13.26	19	0.5		
20	256QAM	100	50	13.09	13.32	13.38				
20	256QAM	100	100	13.09	13.27	13.35				
20	256QAM	100	150	13.08	13.30	13.25				
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.30	13.48	13.33	15	0		
20	QPSK	1	12	13.13	13.42	13.38				
20	QPSK	1	24	13.11	13.37	13.34				
20	QPSK	1	0	13.08	13.39	13.23				
20	QPSK	12	7	13.13	13.27	13.29	15	0		
20	QPSK	12	19	13.12	13.28	13.32				
20	QPSK	25	0	13.16	13.28	13.14				
20	QPSK	25	13	13.18	13.24	13.26				
20	16QAM	1	49	13.18	13.24	13.26	15	0		
20	16QAM	1	99	13.18	13.24	13.26				
20	16QAM	12	0	13.04	13.26	13.22				
20	16QAM	12	13	13.04	13.17	13.18				
20	16QAM	25	0	13.09	13.21	13.06	15	0		
20	16QAM	25	13	13.09	13.24	13.22				
20	16QAM	50	0	13.06	13.16	13.14				
20	16QAM	50	13	13.06	13.10	13.14				
20	64QAM	1	24	13.02	13.31	13.24	15	0		
20	64QAM	12	0	13.05	13.31	13.25				
20	64QAM	12	7	13.06	13.25	13.24				
20	64QAM	25	0	13.03	13.31	13.09				
20	256QAM	1	0	13.23	13.48	13.25	15	0		
20	256QAM	1	11	13.05	13.43	13.39				
20	256QAM	1	24	13.07	13.31	13.27				
20	256QAM	12	0	13.11	13.30	13.16				
20	256QAM	12	13	13.11	13.32	13.11	15	0		
20	256QAM	12	19	13.12	13.32	13.11				
20	256QAM	25	0	13.05	13.28	13.10				
20	256QAM	25	13	13.06	13.28	13.10				
Channel										
Frequency (MHz)										
3	QPSK	1	0	13.27	13.46	13.35	15	0		
3	QPSK	1	8	13.12	13.38	13.36				
3	QPSK	1	14	13.10	13.38	13.36				
3	QPSK	8	4	13.12	13.38	13.34				
3	QPSK	8	7	13.13	13.30	13.28	15	0		
3	QPSK	8	13	13.12	13.30	13.28				
3	QPSK	15	0	13.12	13.32	13.13				
3	QPSK	15	8	13.16	13.28	13.27				
3	16QAM	1	8	13.03	13.20	13.32	15	0		
3	16QAM	1	14	13.03	13.29	13.28				
3	16QAM	8	0	13.00	13.23	13.29				
3	16QAM	8	4	13.03	13.27	13.32				
3	16QAM	8	7	13.02	13.16	13.08	15	0		
3	16QAM	8	13	13.03	13.29	13.29				
3	16QAM	15	0	13.02	13.31	13.09				
3	16QAM	15	8	13.06	13.27	13.10				
3	64QAM	1	14	13.03	13.32	13.28	15	0		
3	64QAM	1	28	13.05	13.32	13.28				
3	64QAM	8	0	13.00	13.26	13.32				
3	64QAM	8	4	13.03	13.27	13.32				
3	64QAM	15	0	13.02	13.35	13.09	15	0		
3	64QAM	15	0	13.09	13.22	13.05				
3	64QAM	15	8	13.02	13.31	13.27				
3	64QAM	15	14	13.03	13.31	13.27				
3	256QAM	1	8	13.03	13.40	13.41	19	0.5		
3	256QAM	1	14	13.03	13.37	13.41				
3	256QAM	8	4	13.02	13.35	13.17				
3	256QAM	8	7	13.05	13.31	13.27				
3	256QAM	15	0	13.14	13.33	13.09	19	0.5		
3	256QAM	15	0	13.03	13.39	13.39				
3	256QAM	15	0	13.02	13.35	13.17				
3	256QAM	15	8	13.08	13.31	13.27				
3	256QAM	15	14	13.03	13.38	13.08				
3	256QAM	15	20	13.02	13.38	13.08				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	13.27	13.45	13.30	15	0		
1.4	QPSK	1	8	13.12	13.38	13.35				
1.4	QPSK	1	14	13.10	13.38	13.36				
1.4	QPSK	1	0	13.13	13.38	13.34				
1.4	QPSK	8	4	13.13	13.28	13.25	15	0		
1.4	QPSK	8	7	13.10	13.30	13.18				
1.4	QPSK	8	13	13.12	13.32	13.13				
1.4	QPSK	8	19	13.16	13.28	13.27				
1.4	16QAM	1	8	13.03	13.20	13.32	15	0		
1.4	16QAM	1	8	13.05	13.27	13.31				
1.4	16QAM	8	0	13.02	13.28	13.29				
1.4	16QAM	8	4	13.03	13.21	13.31				
1.4	16QAM	3	0	13.02	13.29	13.21	15	0		
1.4	16QAM	3	0	13.07	13.27	13.26				
1.4	16QAM	15	0	13.17	13.31	13.13				
1.4	16QAM	15	0	13.24	13.25	13.28				
1.4	16QAM	15	8	13.17	13.31	13.13	15	0		
1.4	16QAM	15	8	13.01	13.31	13.27				
1.4	16QAM	3	0	13.05	13.29	13.20				
1.4	16QAM	3	0	13.04	13.28	13.18				
1.4	64QAM	3	0	13.03	13.18	13.09	15	0		
1.4	64QAM	3	0	13.02	13.25	13.17				
1.4	64QAM	6	0	13.02	13.24	13.18				
1.4	64QAM	6	0	13.03	13.18	13.09				
1.4	256QAM	3	0	13.22	13.44	13.35	19	0.5		
1.4	256QAM	3	0	13.11	13.38	13.40				
1.4	256QAM	3	0	13.05	13.37	13.25				
1.4	256QAM	3	0	13.10	13.30	13.18				
1.4	256QAM	3	0	13.02	13.39	13.31	19	0.5		
1.4	256QAM	3	0	13.03	13.32	13.33				
1.4	256QAM	3	0	13.03	13.32	13.33				
1.4	256QAM	3	0	13.07	13.24	13.06				
1.4	256QAM	3	0	13.07	13.24	13.06				
1.4	256QAM	3	0	13.07	13.24	13.06				



Band 42 DSI3&7 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)				3445	3600	3745					
20	QPSK	1	0	21.74	21.85	21.77	22.5	0			
20	QPSK	1	49	21.81	21.87	21.85					
20	QPSK	1	99	21.81	21.79	21.84					
20	QPSK	50	24	21.80	21.85	21.82					
20	QPSK	50	50	21.82	21.85	21.82	22.5	0			
20	QPSK	100	0	21.78	21.85	21.78					
20	16QAM	1	0	21.79	21.85	21.78					
20	16QAM	1	49	21.80	21.81	21.80					
20	16QAM	1	99	21.81	21.79	21.81	22.5	0			
20	16QAM	50	24	21.86	21.86	21.86					
20	16QAM	50	50	21.29	21.31	21.56					
20	16QAM	100	0	21.28	21.27	21.44					
20	84QAM	1	0	21.25	21.25	21.43	22	0.5			
20	84QAM	1	49	21.43	21.35	21.45					
20	84QAM	1	99	21.24	21.38	21.64					
20	84QAM	50	0	20.41	20.42	20.26					
20	84QAM	50	24	20.28	20.29	20.37	21	1.5			
20	84QAM	50	50	20.43	20.31	20.44					
20	84QAM	100	0	20.45	20.18	20.26					
20	256QAM	1	0	18.30	18.37	18.29					
20	256QAM	1	49	18.41	18.37	18.38	19	3.5			
20	256QAM	1	99	18.33	18.22	18.34					
20	256QAM	50	0	18.38	18.37	18.30					
20	256QAM	50	24	18.33	18.24	18.37					
20	256QAM	50	50	18.40	18.20	18.35	19			3.5	
20	256QAM	100	0	18.35	18.33	18.36					
Channel				42195	42595	43015					
Frequency (MHz)				3452.5	3500	3647.5					
15	QPSK	1	0	21.69	21.72	21.63	22.5	0			
15	QPSK	1	37	21.68	21.74	21.70					
15	QPSK	1	74	21.68	21.67	21.70					
15	QPSK	36	0	21.67	21.74	21.65					
15	QPSK	36	20	21.70	21.74	21.71	22.5	0			
15	QPSK	36	39	21.68	21.69	21.73					
15	QPSK	75	0	21.63	21.71	21.65					
15	16QAM	1	0	21.63	21.67	21.62					
15	16QAM	1	37	21.65	21.66	21.67	22.5	0			
15	16QAM	1	74	21.69	21.63	21.71					
15	16QAM	36	0	21.41	21.21	21.43					
15	16QAM	36	20	21.20	21.15	21.41					
15	16QAM	36	39	21.15	21.24	21.45	22	0.5			
15	16QAM	75	0	21.24	21.17	21.36					
15	84QAM	1	0	21.19	21.20	21.29					
15	84QAM	1	37	21.29	21.20	21.31					
15	84QAM	1	74	21.14	21.31	21.34	21	1.5			
15	84QAM	36	0	20.32	20.31	20.16					
15	84QAM	36	20	20.14	20.14	20.25					
15	84QAM	36	39	20.29	20.05	20.15					
15	84QAM	75	0	20.29	20.05	20.15	19	3.5			
15	256QAM	1	0	18.31	18.37	18.18					
15	256QAM	1	37	18.34	18.34	18.30					
15	256QAM	1	74	18.36	18.26	18.29					
15	256QAM	36	0	18.20	18.28	18.33					
15	256QAM	36	20	18.22	18.25	18.25	19	3.5			
15	256QAM	36	39	18.29	18.30	18.43					
15	256QAM	75	0	18.34	18.30	18.29					
Channel				42140	42590	42915					
Frequency (MHz)				3455	3500	3645					
10	QPSK	1	0	21.69	21.77	21.62	22.5	0			
10	QPSK	1	25	21.68	21.76	21.72					
10	QPSK	1	49	21.69	21.68	21.70					
10	QPSK	12	0	21.63	21.71	21.68					
10	QPSK	25	12	21.64	21.71	21.71	22.5	0			
10	QPSK	25	25	21.68	21.63	21.74					
10	QPSK	50	0	21.63	21.71	21.65					
10	16QAM	1	0	21.64	21.66	21.61					
10	16QAM	1	25	21.67	21.68	21.69	22.5	0			
10	16QAM	1	49	21.66	21.67	21.65					
10	16QAM	25	0	21.41	21.27	21.42					
10	16QAM	25	12	21.24	21.25	21.40					
10	16QAM	25	25	21.14	21.15	21.45	22	0.5			
10	16QAM	50	0	21.34	21.13	21.32					
10	84QAM	1	0	21.14	21.27	21.36					
10	84QAM	1	25	21.39	21.27	21.31					
10	84QAM	1	49	21.20	21.29	21.35	22	0.5			
10	84QAM	25	0	20.27	20.35	20.14					
10	84QAM	25	12	20.19	20.16	20.29					
10	84QAM	25	25	20.34	20.22	20.36					
10	84QAM	50	0	20.39	20.03	20.19	21	1.5			
10	256QAM	1	0	18.30	18.31	18.34					
10	256QAM	1	25	18.24	18.26	18.30					
10	256QAM	1	49	18.40	18.30	18.34					
10	256QAM	25	0	18.21	18.34	18.33	19	3.5			
10	256QAM	25	12	18.26	18.40	18.30					
10	256QAM	25	25	18.33	18.34	18.42					
10	256QAM	50	0	18.34	18.28	18.28					
Channel				42145	42590	42990					
Frequency (MHz)				3457.5	3500	3647.5					
5	QPSK	1	0	21.61	21.73	21.66	22.5	0			
5	QPSK	1	12	21.67	21.73	21.74					
5	QPSK	1	24	21.70	21.63	21.70					
5	QPSK	12	0	21.64	21.72	21.66					
5	QPSK	12	7	21.66	21.71	21.68	22.5	0			
5	QPSK	12	13	21.69	21.65	21.72					
5	QPSK	25	0	21.63	21.67	21.67					
5	16QAM	1	0	21.66	21.65	21.61					
5	16QAM	1	12	21.65	21.66	21.67	22.5	0			
5	16QAM	1	24	21.69	21.64	21.65					
5	16QAM	12	0	21.50	21.29	21.41					
5	16QAM	12	7	21.24	21.21	21.42					
5	16QAM	12	13	21.10	21.15	21.51	22	0.5			
5	16QAM	25	0	21.33	21.19	21.38					
5	84QAM	1	0	21.21	21.20	21.38					
5	84QAM	1	12	21.29	21.20	21.40					
5	84QAM	1	24	21.17	21.22	21.30	21	1.5			
5	84QAM	12	0	20.33	20.36	20.13					
5	84QAM	12	7	20.22	20.21	20.31					
5	84QAM	12	13	20.30	20.20	20.33					
5	84QAM	25	0	20.41	20.06	20.13	19	3.5			
5	256QAM	1	0	18.33	18.37	18.26					
5	256QAM	1	12	18.31	18.41	18.35					
5	256QAM	1	24	18.23	18.17	18.30					
5	256QAM	12	0	18.23	18.30	18.36					
5	256QAM	12	7	18.38	18.37	18.37	19	3.5			
5	256QAM	12	13	18.34	18.25	18.44					
5	256QAM	25	0	18.29	18.26	18.39					

Band 42 DS12 Ant5												
BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch / Freq.)	Power (Ch / Freq.)	Power (Ch / Freq.)	Tune-up limit (dBm)	MPR (dB)				
Channel				42190	42590	42990						
Frequency (MHz)				3446	3500	3645						
20	QPSK	1	0	22.47	22.55	22.50	23	0				
20	QPSK	1	99	22.53	22.54	22.55						
20	QPSK	1	99	22.48	22.47	22.51						
20	QPSK	50	24	22.41	22.36	22.46						
20	QPSK	100	0	22.30	22.43	22.47	23	0				
20	QPSK	100	0	22.45	22.50	22.55						
20	QPSK	100	0	22.42	22.36	22.42						
20	QPSK	50	51	21.38	21.30	21.47						
20	QPSK	100	0	21.38	21.37	21.43	22					
20	QPSK	100	0	21.39	21.33	21.43						
20	QPSK	1	49	21.43	21.36	21.44						
20	QPSK	1	99	21.38	21.38	21.44						
20	QPSK	50	0	20.41	20.31	20.44	21	2				
20	QPSK	50	0	20.41	20.42	20.36						
20	QPSK	50	0	20.38	20.29	20.37						
20	QPSK	50	0	20.43	20.31	20.44						
20	QPSK	100	0	18.45	18.38	18.26	19	4				
20	QPSK	100	0	18.45	18.38	18.39						
20	QPSK	100	0	18.50	18.54	18.51						
20	QPSK	1	99	18.42	18.43	18.39						
20	QPSK	50	0	18.48	18.48	18.39	19	4				
20	QPSK	50	0	18.48	18.48	18.39						
20	QPSK	50	0	18.34	18.30	18.35						
20	QPSK	50	0	18.43	18.27	18.38						
20	QPSK	100	0	18.35	18.45	18.27						
Channel				42190	42590	43010						
Frequency (MHz)				3646	3700	3845						
15	QPSK	1	0	22.22	22.37	22.35				23	0	
15	QPSK	1	37	22.35	22.36	22.36						
15	QPSK	1	74	22.33	22.29	22.35						
15	QPSK	1	74	22.38	22.29	22.35						
15	QPSK	36	0	22.29	22.39	22.33	23	0				
15	QPSK	36	0	22.37	22.17	22.33						
15	QPSK	76	0	22.22	22.34	22.16						
15	QPSK	76	0	22.22	22.34	22.16						
15	QPSK	1	0	22.22	22.34	22.33	23	0				
15	QPSK	1	37	22.33	22.32	22.33						
15	QPSK	1	74	22.37	22.24	22.34						
15	QPSK	1	74	22.41	21.21	21.43						
15	QPSK	36	0	21.29	21.18	21.43	22	1				
15	QPSK	36	0	21.19	21.24	21.48						
15	QPSK	36	0	21.24	21.17	21.48						
15	QPSK	1	0	21.19	21.20	21.25						
15	QPSK	1	37	21.29	21.23	21.31	22	1				
15	QPSK	1	74	21.14	21.31	21.31						
15	QPSK	1	74	20.32	20.31	20.31						
15	QPSK	36	0	20.14	20.14	20.26						
15	QPSK	36	0	20.30	20.23	20.30	21	2				
15	QPSK	36	0	20.29	20.05	20.18						
15	QPSK	36	0	20.29	20.05	20.18						
15	QPSK	36	0	20.29	20.05	20.18						
15	QPSK	1	0	18.45	18.45	18.35	19					
15	QPSK	1	74	18.44	18.53	18.45						
15	QPSK	1	74	18.44	18.51	18.51						
15	QPSK	36	0	18.36	18.37	18.37						
15	QPSK	36	0	18.43	18.39	18.37	19	4				
15	QPSK	36	0	18.43	18.39	18.37						
15	QPSK	36	0	18.36	18.37	18.37						
15	QPSK	36	0	18.36	18.39	18.37						
Channel				42190	42590	42990						
Frequency (MHz)				3846	3900	4045						
15	QPSK	1	0	22.22	22.38	22.35	23	0				
15	QPSK	1	25	22.32	22.33	22.35						
15	QPSK	1	25	22.32	22.33	22.35						
15	QPSK	26	0	22.35	22.32	22.35						
15	QPSK	26	0	22.35	22.32	22.35	23	0				
15	QPSK	26	0	22.35	22.32	22.35						
15	QPSK	26	0	22.33	22.34	22.34						
15	QPSK	50	0	22.31	22.35	22.17						
15	QPSK	1	0	22.21	22.37	22.31	23	0				
15	QPSK	1	25	22.30	22.29	22.34						
15	QPSK	1	49	22.32	22.24	22.37						
15	QPSK	1	49	22.32	22.24	22.37						
15	QPSK	26	0	21.47	21.27	21.42	22	1				
15	QPSK	26	0	21.24	21.21	21.47						
15	QPSK	26	0	21.24	21.18	21.48						
15	QPSK	50	0	21.34	21.13	21.38						
15	QPSK	1	0	21.14	21.27	21.38	22					
15	QPSK	1	25	21.39	21.27	21.31						
15	QPSK	1	25	21.20	21.29	21.35						
15	QPSK	26	0	20.27	20.38	20.14						
15	QPSK	26	0	20.10	20.16	20.26	21	2				
15	QPSK	26	0	20.34	20.22	20.30						
15	QPSK	50	0	20.39	20.03	20.19						
15	QPSK	50	0	20.39	20.03	20.19						
15	QPSK	1	0	18.41	18.40	18.35	19	4				
15	QPSK	1	25	18.51	18.44	18.52						
15	QPSK	1	49	18.39	18.58	18.42						
15	QPSK	26	0	18.42	18.55	18.45						
15	QPSK	26	0	18.38	18.43	18.46	19	4				
15	QPSK	26	0	18.43	18.44	18.46						
15	QPSK	26	0	18.43	18.44	18.46						
15	QPSK	26	0	18.43	18.44	18.46						
Channel				42190	42590	42990						
Frequency (MHz)				4046	4100	4245						
5	QPSK	12	0	22.26	22.35	22.27	23	0				
5	QPSK	1	12	22.34	22.38	22.38						
5	QPSK	12	0	22.35	22.38	22.38						
5	QPSK	12	0	22.32	22.30	22.30						
5	QPSK	12	0	22.29	22.41	22.29	23	0				
5	QPSK	12	0	22.29	22.38	22.27						
5	QPSK	26	0	22.31	22.38	22.19						
5	QPSK	1	0	22.19	22.17	22.25						
5	QPSK	1	12	22.31	22.32	22.32	23	0				
5	QPSK	1	26	22.31	22.26	22.42						
5	QPSK	1	26	22.31	22.26	22.42						
5	QPSK	12	7	21.24	21.21	21.42						
5	QPSK	12	13	21.10	21.16	21.51	22	1				
5	QPSK	12	13	21.33	21.18	21.38						
5	QPSK	1	0	21.21	21.20	21.38						
5	QPSK	1	12	21.19	21.20	21.40						
5	QPSK	12	13	20.22	20.31	20.31	21	2				
5	QPSK	12	13	20.36	20.20	20.31						
5	QPSK	12	13	20.41	20.55	20.13						
5	QPSK	12	13	20.53	18.52	18.44						
5	QPSK	1	12	18.44	18.49	18.59	19	4				
5	QPSK	1	26	18.52	18.50	18.57						
5	QPSK	1	26	18.52	18.53	18.57						
5	QPSK	12	7	18.43	18.51	18.57						
5	QPSK	12	13	18.44	18.53	18.59	19	4				
5	QPSK	12	13	18.50	18.47	18.57						
5	QPSK	12	13	18.43	18.53	18.57						
5	QPSK	12	13	18.43	18.53	18.57						



Band 2 DS16 ENDC Ant4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Min Ch / Freq	Turn-up Time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.29	20.27	20.27	21	0				
20	QPSK	1	49	20.22	20.23	20.26						
20	QPSK	1	99	20.22	20.23	20.26	21	0				
20	QPSK	50	0	20.21	20.27	20.17						
20	QPSK	50	50	20.13	20.17	20.17	21	0				
20	QPSK	100	0	20.18	20.24	20.16						
20	16QAM	1	49	20.15	20.15	20.15	21	0				
20	16QAM	1	99	20.18	20.21	20.16						
20	16QAM	50	0	20.14	20.15	20.15	21	0				
20	16QAM	50	50	20.22	20.20	20.17						
20	16QAM	100	0	20.20	20.21	20.16	21	0				
20	64QAM	1	49	20.18	20.20	20.18						
20	64QAM	1	99	18.30	18.27	18.31	19	2				
20	64QAM	50	0	18.23	18.42	18.25						
20	64QAM	50	50	18.24	18.30	18.27	19	2				
20	64QAM	100	0	18.30	18.24	18.26						
20	256QAM	1	0	18.12	18.38	18.12	19	2				
20	256QAM	1	49	18.27	18.19	18.27						
20	256QAM	50	0	20.21	20.15	20.19						
20	256QAM	50	50	18.20	18.15	18.04						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.19	20.20	20.18	21	0				
15	QPSK	1	49	20.14	20.13	20.13						
15	QPSK	1	74	20.19	20.24	20.18	21	0				
15	QPSK	36	0	20.11	20.20	20.05						
15	QPSK	36	39	20.08	20.15	20.07	21	0				
15	QPSK	75	0	20.10	20.10	20.07						
15	16QAM	1	37	20.09	20.11	20.10	21	0				
15	16QAM	1	37	20.09	20.11	20.10						
15	16QAM	36	0	20.08	20.08	20.05	21	0				
15	16QAM	36	39	20.15	20.17	20.09						
15	16QAM	75	0	20.03	20.04	20.04	21	0				
15	64QAM	1	0	20.05	20.06	20.05						
15	64QAM	1	49	20.11	20.07	20.07	21	0				
15	64QAM	1	74	20.01	20.07	20.07						
15	64QAM	36	0	20.26	20.16	20.27	21	0				
15	64QAM	36	39	20.09	20.05	20.13						
15	64QAM	75	0	20.14	20.10	20.11	21	0				
15	256QAM	1	37	18.09	18.10	18.35						
15	256QAM	1	37	18.09	18.10	18.40	19	2				
15	256QAM	36	0	18.41	18.08	18.40						
15	256QAM	36	39	18.23	18.07	18.13	19	2				
15	256QAM	75	0	18.17	18.29	18.27						
15	256QAM	75	39	18.17	18.29	18.27	19	2				
15	256QAM	75	74	18.18	18.13	18.04						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.17	20.17	20.17	21	0				
10	QPSK	1	25	20.11	20.11	20.16						
10	QPSK	1	49	20.20	20.15	20.14	21	0				
10	QPSK	25	13	20.06	20.06	20.06						
10	QPSK	25	25	20.11	20.14	20.09	21	0				
10	16QAM	1	0	20.04	20.07	20.12						
10	16QAM	1	25	20.10	20.10	20.09	21	0				
10	16QAM	25	13	20.09	20.11	20.09						
10	16QAM	25	25	20.09	20.03	20.08	21	0				
10	16QAM	50	0	20.05	20.08	20.04						
10	16QAM	50	50	20.08	20.09	20.09	21	0				
10	64QAM	1	0	20.10	20.10	20.10						
10	64QAM	1	49	20.01	20.10	20.06	21	0				
10	64QAM	25	0	20.21	20.24	20.19						
10	64QAM	25	25	20.11	20.11	20.09	21	0				
10	64QAM	50	0	20.18	20.19	20.23						
10	64QAM	50	50	20.18	20.21	20.13	21	0				
10	256QAM	1	25	18.31	18.20	18.12						
10	256QAM	1	25	18.34	18.19	18.32	19	2				
10	256QAM	12	0	18.20	18.26	18.19						
10	256QAM	12	13	18.20	18.29	18.19	19	2				
10	256QAM	25	25	18.30	18.17	18.26						
10	256QAM	50	50	18.28	18.30	18.30	19	2				
10	256QAM	50	50	18.28	18.30	18.30						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.17	20.20	20.14	21	0				
5	QPSK	1	12	20.11	20.14	20.18						
5	QPSK	1	24	20.20	20.15	20.13	21	0				
5	QPSK	12	0	20.09	20.15	20.09						
5	QPSK	12	7	20.04	20.00	20.05	21	0				
5	QPSK	12	13	20.11	20.09	20.07						
5	16QAM	1	0	20.03	20.04	20.07	21	0				
5	16QAM	1	12	20.09	20.08	20.07						
5	16QAM	12	0	20.05	20.07	20.12	21	0				
5	16QAM	12	7	20.11	20.11	20.06						
5	16QAM	12	13	20.12	20.13	20.09	21	0				
5	16QAM	25	0	20.07	20.07	20.03						
5	64QAM	1	0	20.08	20.03	20.06	21	0				
5	64QAM	1	12	20.10	20.05	20.09						
5	64QAM	12	0	20.15	20.20	20.14	21	0				
5	64QAM	12	7	20.11	20.11	20.06						
5	64QAM	12	13	20.15	20.23	20.14	21	0				
5	64QAM	25	0	20.16	20.21	20.21						
5	64QAM	25	7	18.18	18.27	18.40	19	2				
5	256QAM	1	12	18.12	18.22	18.22						
5	256QAM	1	24	18.28	18.34	18.14	19	2				
5	256QAM	12	13	18.15	18.30	18.26						
5	256QAM	12	7	18.22	18.07	18.14	19	2				
5	256QAM	25	25	18.31	18.26	18.21						
5	256QAM	50	50	18.28	18.36	18.36	19	2				
5	256QAM	50	50	18.28	18.36	18.36						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.17	20.20	20.14	21	0				
3	QPSK	1	8	20.11	20.16	20.13						
3	QPSK	1	14	20.21	20.15	20.16	21	0				
3	QPSK	8	0	20.04	20.04	20.06						
3	QPSK	8	7	20.12	20.		21	0				
3	QPSK	16	0	20.07	20.20	20.08						
3	16QAM	1	0	20.05	20.07	20.07	21	0				
3	16QAM	1	8	20.11	20.07	20.13						
3	16QAM	8	0	20.05	20.04	20.06	21	0				
3	16QAM	8	7	20.09	20.15	20.12						
3	16QAM	16	0	20.12	20.17	20.09	21	0				
3	16QAM	16	0	20.02	20.06	20.07						
3	16QAM	16	7	20.07	20.07	20.07	21	0				
3	16QAM	32	0	20.10	20.10	20.12						
3	16QAM	32	7	20.02	20.05	20.11	21	0				
3	16QAM	32	14	20.06	20.08	20.09						
3	16QAM	32	14	20.06	20.08	20.09	21	0				
3	16QAM	64	0	20.10	20.10	20.12						
3	16QAM	64	7	20.09	20.15	20.12	21	0				
3	16QAM	64	14	20.13	20.18	20.18						
3	16QAM	64	0	18.32	18.28	18.27	19	2				
3	16QAM	64	7	18.28	18.28	18.27						
3	16QAM	64	14	18.28	18.28	18.29	19	2				
3	16QAM	64	14	18.28	18.28	18.29						
3	16QAM	64	7	18.08	18.08	18.27	19	2				
3	256QAM	1	0	18.09	18.11	18.16						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.22	20.25	20.26	21	0				
1.4	QPSK	1	14	20.20	20.15	20.13						
1.4	QPSK	1	5	20.20	20.15	20.13	21	0				
1.4	QPSK	3	0	20.11	20.16	20.06						
1.4	QPSK	3	14	20.11	20.16	20.16	21	0				
1.4	QPSK	3	5	20.05	20.13	20.05						
1.4	QPSK	6	0	20.08	20.22	20.06	21	0				
1.4	QPSK	6	14	20.04	20.18	20.06						
1.4	16QAM	1	0	20.09	20.09	20.08	21	0				
1.4	16QAM	1	5	20.07	20.12	20.04						
1.4	16QAM	3	0	20.09	20.09	20.08	21	0				
1.4	16QAM	3	1	20.11	20.12	20.08						
1.4	16QAM	3	5	20.10	20.10	20.07	21	0				
1.4	16QAM	3	14	20.09	20.09	20.09						
1.4	16QAM	6	0	20.06	20.06	20.02	21	0				
1.4	16QAM	6	1	20.05	20.08	20.10						
1.4	16QAM	6	5	20.12	20.12	20.10	21	0				
1.4	16QAM	6	14	20.10	20.14	20.05						
1.4	16QAM	6	0	18.39	18.33	18.30	19	2				
1.4	16QAM	6	14	18.21	18.25	18.28						
1.4	16QAM	6	5	18.38	18.33	18.38	19	2				
1.4	256QAM	1	0	18.07	18.22	18.06						
1.4	256QAM	1	14	17.99	18.06	18.12	19	2				
1.4	256QAM	3	1	18.11	18.16	18.16						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.17	20.20	20.14	21	0				
3	QPSK	1	8	20.11	20.16	20.13						
3	QPSK	1	14	20.21	20.15	20.16	21	0				
3	QPSK	8	0	20.04	20.04	20.06						
3	QPSK	8	7	20.12	20.		21	0				
3	QPSK	16	0	20.07	20.20	20.08						
3	16QAM	1	0	20.05	20.07	20.07	21	0				
3	16QAM	1	8	20.11	20.07	20.13						
3	16QAM	8	0	20.05	20.04	20.06	21	0				
3	16QAM	8	7	20.09	20.15	20.12						
3	16QAM	16	0	20.12	20.17	20.09	21	0				
3	16QAM	16	0	20.02	20.06	20.07						
3	16QAM	16	7	20.07	20.07	20.07	21	0				
3	16QAM	32	0	20.10	20.10	20.12						
3	16QAM	32	7	20.02	20.05	20.11	21	0				
3	16QAM	32	14	20.06	20.08	2						



Band 4 DSI3 ENDc Ant4												
BW [MHz]	Modulation	RS Size	RS Offset	Power Mod [Ch / Freq]	Power Mod [Ch / Freq]	Power Mod [Ch / Freq]	Turn-up Time [sec]	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	20.94	21.13	20.93	22	0				
20	QPSK	1	49	20.94	20.97	20.97						
20	QPSK	1	99	21.04	20.91	20.99						
20	QPSK	50	0	20.88	21.10	20.99						
20	QPSK	50	24	20.88	20.88	20.99						
20	QPSK	50	50	20.87	20.89	20.99						
20	QPSK	100	0	20.89	20.89	20.99						
20	16QAM	1	49	20.95	20.99	20.85						
20	16QAM	1	99	20.78	20.81	20.79						
20	16QAM	50	0	20.94	20.97	20.97						
20	16QAM	50	24	20.94	20.89	20.96						
20	16QAM	50	50	20.88	20.89	20.75						
20	16QAM	100	0	20.93	20.95	20.93						
20	64QAM	1	49	20.87	20.84	20.79						
20	64QAM	1	99	20.88	20.85	20.75						
20	64QAM	50	0	20.12	20.10	20.11						
20	64QAM	50	24	20.09	20.03	19.98						
20	64QAM	50	50	20.11	20.10	20.03						
20	64QAM	100	0	20.09	20.04	20.09						
20	256QAM	1	49	19.04	17.95	17.97						
20	256QAM	1	99	17.83	17.80	17.87						
20	256QAM	50	0	17.89	18.15	17.86						
20	256QAM	50	24	17.84	17.83	17.86						
20	256QAM	50	50	17.80	17.84	18.00						
20	256QAM	100	0	18.05	17.97	18.00						
Channel												
Frequency [MHz]												
15	QPSK	1	0	20.85	21.02	20.86				22	0	
15	QPSK	1	27	20.87	20.77	20.84						
15	QPSK	1	74	20.92	20.78	20.90						
15	QPSK	36	0	20.78	21.02	20.81						
15	QPSK	36	24	20.77	20.89	20.89						
15	QPSK	36	39	20.79	20.77	20.87						
15	QPSK	75	0	20.79	20.82	20.81						
15	16QAM	1	0	20.86	20.86	20.86						
15	16QAM	1	37	20.84	20.84	20.74						
15	16QAM	1	74	20.84	20.87	20.75						
15	16QAM	36	0	20.82	20.75	20.85						
15	16QAM	36	20	20.82	20.78	20.87						
15	16QAM	36	49	20.82	20.82	20.82						
15	16QAM	75	0	20.82	20.82	20.82						
15	64QAM	1	0	20.75	20.87	20.92						
15	64QAM	1	27	20.76	20.87	20.88						
15	64QAM	1	74	20.75	20.82	20.84						
15	64QAM	36	0	20.00	20.10	19.98						
15	64QAM	36	20	20.00	19.98	19.98						
15	64QAM	36	39	19.98	19.97	19.98						
15	64QAM	36	49	19.98	19.95	19.95						
15	64QAM	75	0	19.98	19.98	19.97						
15	256QAM	1	37	17.93	17.97	17.98						
15	256QAM	1	74	18.15	17.94	17.95						
15	256QAM	36	0	17.86	18.16	18.14						
15	256QAM	36	20	17.78	18.09	18.11						
15	256QAM	36	39	17.85	17.85	18.11						
15	256QAM	75	0	17.75	17.85	17.85						
Channel												
Frequency [MHz]												
30	QPSK	1	0	20.90	20.75	20.90	22	0				
30	QPSK	1	25	20.90	20.87	20.93						
30	QPSK	1	49	20.93	20.83	20.87						
30	QPSK	1	74	20.91	20.88	20.88						
30	QPSK	25	13	20.78	20.83	20.88						
30	QPSK	25	25	20.75	20.74	20.90						
30	QPSK	50	0	20.84	20.90	20.84						
30	16QAM	1	0	20.84	20.88	20.72						
30	16QAM	1	25	20.83	20.88	20.72						
30	16QAM	1	49	20.86	20.85	20.85						
30	16QAM	1	74	20.78	20.75	20.88						
30	16QAM	25	13	20.84	20.78	20.85						
30	16QAM	25	25	20.84	20.78	20.88						
30	16QAM	50	0	20.85	20.88	20.82						
30	64QAM	1	0	20.76	20.91	20.88						
30	64QAM	1	25	20.76	20.74	20.81						
30	64QAM	1	49	20.79	20.83	20.86						
30	64QAM	25	0	19.98	20.11	19.98						
30	64QAM	25	13	19.99	19.98	19.97						
30	64QAM	25	25	20.03	19.98	19.94						
30	64QAM	50	0	20.01	19.98	19.96						
30	256QAM	1	0	17.83	18.13	18.10						
30	256QAM	1	25	17.92	17.79	18.11						
30	256QAM	1	49	18.11	17.82	17.95						
30	256QAM	25	0	17.83	17.75	17.90						
30	256QAM	25	13	17.86	17.80	17.86						
30	256QAM	25	25	17.88	17.77	17.94						
30	256QAM	50	0	17.89	17.78	17.94						
Channel												
Frequency [MHz]												
19	QPSK	1	0	19.975	20.075	20.075	22	0				
19	QPSK	1	12	20.05	20.02	20.09						
19	QPSK	1	24	20.06	20.02	20.08						
19	QPSK	1	36	20.01	20.01	20.06						
19	QPSK	12	7	20.73	20.80	20.92						
19	QPSK	12	13	20.75	20.77	20.88						
19	QPSK	25	0	20.78	20.80	20.78						
19	16QAM	1	0	20.84	20.88	20.87						
19	16QAM	1	12	20.84	20.87	20.73						
19	16QAM	1	24	20.86	20.85	20.85						
19	16QAM	12	0	20.83	20.80	20.86						
19	16QAM	12	7	20.82	20.80	20.87						
19	16QAM	12	13	20.77	20.73	20.81						
19	16QAM	25	0	20.83	20.87	20.81						
19	64QAM	1	0	20.73	20.97	20.97						
19	64QAM	1	12	20.76	20.72	20.81						
19	64QAM	1	24	20.76	20.82	20.83						
19	64QAM	12	0	19.99	20.07	20.06						
19	64QAM	12	7	19.98	19.98	19.94						
19	64QAM	12	13	19.98	19.90	19.88						
19	64QAM	25	0	20.03	19.99	19.99						
19	256QAM	1	0	17.85	17.89	17.93						
19	256QAM	1	12	17.98	17.87	17.98						
19	256QAM	1	24	17.77	17.85	17.89						
19	256QAM	12	0	17.83	18.02	17.88						
19	256QAM	12	7	17.77	17.80	17.81						
19	256QAM	12	13	17.94	17.84	17.91						
19	256QAM	25	0	17.74	17.87	17.93						
Channel												
Frequency [MHz]												
3	QPSK	1	0	20.14	20.15	20.15	22	0				
3	QPSK	1	8	20.91	20.80	20.85						
3	QPSK	1	14	20.91	20.80	20.91						
3	QPSK	8	0	20.76	21.00	20.98						
3	QPSK	8	4	20.75	20.87	20.86						
3	QPSK	8	7	20.76	20.75	20.88						
3	QPSK	15	0	20.81	20.86	20.79						
3	16QAM	1	0	20.86	20.80	20.85						
3	16QAM	1	8	20.82	20.84	20.78						
3	16QAM	1	15	20.86	20.86	20.86						
3	16QAM	8	0	20.86	20.76	20.88						
3	16QAM	8	4	20.84	20.80	20.87						
3	16QAM	8	7	20.78	20.79	20.90						
3	16QAM	15	0	20.81	20.88	20.85						
3	64QAM	1	0	20.76	20.77	20.90						
3	64QAM	1	8	20.75	20.77	20.84						
3	64QAM	1	14	20.75	20.77	20.84						
3	64QAM	8	0	20.87	20.87	20.87						
3	64QAM	8	4	20.87	20.80	20.86						
3	64QAM	8	7	20.87	20.80	20.86						
3	64QAM	15	0	20.81	20.88	20.85						
3	256QAM	1	0	17.85	17.89	17.93						
3	256QAM	1	8	17.97	17.88	17.97						
3	256QAM	1	14	17.97	17.89	17.91						
3	256QAM	8	0	17.81	18.05	17.84						
3	256QAM	8	4	17.81	17.97	17.97						
3	256QAM	8	7	18.01	17.87	18.01						
3	256QAM	15	0	17.86	17.87	17.94						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	19.97	19.97	19.97	22	0				
1.4	QPSK	1	8	20.91	21.00	20.83						
1.4	QPSK	1	14	20.91	20.80	20.91						
1.4	QPSK	8	0	20.76	20.83	20.87						
1.4	QPSK	8	4	20.75	20.87	20.88						
1.4	QPSK	8	7	20.76	20.75	20.88						
1.4	QPSK	15	0	20.81	20.86	20.79						
1.4	16QAM	1	0	20.86	20.80	20.85						
1.4	16QAM	1	8	20.82	20.84	20.78						
1.4	16QAM	1	14	20.86	20.86	20.86						
1.4	16QAM	8	0	20.86	20.76	20.88						
1.4	16QAM	8	4	20.84	20.80	20.87						
1.4	16QAM	8	7	20.78	20.79	20.90						
1.4	16QAM	15	0	20.81	20.88	20.85						
1.4	64QAM	1	0	20.76	20.77	20.90						
1.4	64QAM	1	8	20.75	20.77	20.84						
1.4	64QAM	1	14	20.75	20.77	20.84						
1.4	64QAM	8	0	20.87	20.87	20.87						
1.4	64QAM	8	4	20.84	20.83	20.74						
1.4	64QAM	8	7	20.87	20.80	20.87						
1.4	64QAM	15	0	20.81	20.88	20.85						
1.4	256QAM	1	0	17.85	17.89	17.93						
1.4	256QAM	1	8	17.97	17.88	17.97						
1.4	256QAM	1	14	17.97	17.89	17.91						
1.4	256QAM	8	0	17.81	18.05	17.84						
1.4	256QAM	8	4	17.81	17.97	17.97						
1.4	256QAM	8	7	18.01	17.87	18.01						
1.4	256QAM	15	0	17.86	17.87	17.94						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	19.97	19.97	19.97	22	0				
1.4	QPSK	1	8	20.91	21.00	20.83						
1.4	QPSK	1	14	20.91	20.80	20.91						
1.4	QPSK	8	0	20.76	20.83	20.87						
1.4	QPSK	8	4	20.75	20.87	20.88						
1.4	QPSK	8	7	20.76	20.75	20.88						
1.4	QPSK	15	0	20.81	20.86	20.79						
1.4	16QAM	1	0	20.86	20.80	20.85						
1.4	16QAM	1	8	20.82	20.84	20.78						
1.4	16QAM	1	14	20.86	20.86	20.86						
1.4	16QAM	8	0	20.86	20.76	20.88						
1.4	16QAM	8	4	20.84	20.80	20.87						
1.4	16QAM	8	7	20.78	20.79	20.90						
1.4	16QAM	15	0	20.81	20.88	20.85						
1.4	64QAM	1	0	20.76	20.77	20.90						
1.4	64QAM	1	8	20.75	20.77	20.84						
1.4	64QAM	1	14	20.75	20.77	20.84						
1.4	64QAM	8	0	20.87	20.87	20.87						
1.4	64QAM	8	4	20.84	20.83	20.74						
1.4	64QAM	8	7	20.87	20.80	20.87						
1.4	64QAM	15	0	20.81	20.88	20.85						
1.4	256QAM	1	0	17.85	17.89	17.93						
1.4	256QAM	1	8	17.97	17.88	17.97						
1.4	256QAM											

Band 7 DS17 ENDC Ant4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Mask Ch / Freq	Power High Ch / Freq	Turnup Time (s)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.64	14.63	14.49				
20	QPSK	1	49	14.63	14.35	14.35	15	0		
20	QPSK	1	99	14.62	14.47	14.33				
20	QPSK	50	0	14.62	14.57	14.48				
20	QPSK	50	24	14.59	14.25	14.39				
20	QPSK	50	50	14.54	14.39	14.27	15	0		
20	QPSK	100	0	14.48	14.50	14.31				
20	16QAM	1	0	14.48	14.38	14.27				
20	16QAM	1	49	14.39	14.42	14.30	15	0		
20	16QAM	1	99	14.63	14.42	14.38				
20	16QAM	50	0	14.63	14.41	14.34				
20	16QAM	50	24	14.38	14.43	14.47	15	0		
20	16QAM	50	50	14.63	14.39	14.31				
20	16QAM	100	0	14.47	14.38	14.39				
20	16QAM	1	0	14.38	14.51	14.30				
20	16QAM	1	49	14.60	14.44	14.48	15	0		
20	16QAM	1	99	14.51	14.38	14.42				
20	16QAM	50	24	14.60	14.44	14.57	15	0		
20	16QAM	50	50	14.50	14.42	14.38				
20	16QAM	100	0	14.59	14.59	14.41				
20	256QAM	1	0	14.47	14.54	14.29				
20	256QAM	1	49	14.38	14.22	14.25	15	0		
20	256QAM	1	99	14.52	14.24	14.12				
20	256QAM	50	0	14.62	14.34	14.27				
20	256QAM	50	24	14.19	13.94	14.39	15	0		
20	256QAM	50	50	14.39	14.30	14.07				
20	256QAM	100	0	14.28	14.42	14.08				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.38	14.58	14.42				
15	QPSK	1	37	14.40	14.25	14.30	15	0		
15	QPSK	1	74	14.40	14.31	14.21				
15	QPSK	36	0	14.44	14.47	14.30				
15	QPSK	36	20	14.23	14.09	14.48	15	0		
15	QPSK	36	36	14.48	14.27	14.23				
15	QPSK	75	0	14.43	14.43	14.23				
15	16QAM	1	0	14.43	14.20	14.17				
15	16QAM	1	37	14.33	14.20	14.19	15	0		
15	16QAM	1	74	14.47	14.26	14.35				
15	16QAM	36	0	14.47	14.30	14.31				
15	16QAM	36	20	14.53	14.34	14.41	15	0		
15	16QAM	36	36	14.45	14.27	14.17				
15	16QAM	75	0	14.31	14.28	14.23				
15	16QAM	1	0	14.22	14.42	14.21				
15	16QAM	1	37	14.40	14.33	14.48	15	0		
15	16QAM	1	74	14.47	14.26	14.35				
15	16QAM	36	20	14.40	14.34	14.34	15	0		
15	16QAM	36	36	14.45	14.27	14.17				
15	16QAM	75	0	14.41	14.46	14.28				
15	256QAM	1	0	14.40	14.48	14.18				
15	256QAM	1	37	14.50	14.29	14.19	15	0		
15	256QAM	1	74	14.25	14.16	14.14				
15	256QAM	36	0	14.25	14.09	14.40				
15	256QAM	36	20	14.12	13.98	14.23	15	0		
15	256QAM	36	36	14.45	14.33	14.13				
15	256QAM	75	0	14.17	14.11	14.03				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.61	14.54	14.40				
10	QPSK	1	49	14.50	14.18	14.23	15	0		
10	QPSK	1	99	14.60	14.53	14.38				
10	QPSK	25	12	14.10	14.07	14.08	15	0		
10	QPSK	25	25	14.48	14.31	14.09				
10	QPSK	50	0	14.40	14.40	14.25				
10	16QAM	1	0	14.30	14.29	14.09				
10	16QAM	1	25	14.37	14.39	14.18	15	0		
10	16QAM	1	50	14.36	14.26	14.40				
10	16QAM	25	0	14.54	14.30	14.21				
10	16QAM	25	12	14.18	14.26	14.34	15	0		
10	16QAM	25	25	14.37	14.26	14.40				
10	16QAM	50	0	14.39	14.26	14.21				
10	16QAM	1	0	14.25	14.38	14.20				
10	16QAM	1	25	14.32	14.26	14.32	15	0		
10	16QAM	1	49	14.37	14.26	14.35				
10	16QAM	25	0	14.34	14.49	14.38				
10	16QAM	25	12	14.34	14.36	14.42	15	0		
10	16QAM	25	25	14.38	14.38	14.20				
10	16QAM	50	0	14.49	14.45	14.35				
10	256QAM	1	0	14.23	14.51	14.27				
10	256QAM	1	25	14.12	14.20	14.28	15	0		
10	256QAM	1	49	14.23	14.39	14.21				
10	256QAM	25	0	14.37	14.51	14.28				
10	256QAM	25	12	14.00	14.16	14.41	15	0		
10	256QAM	25	25	14.21	14.22	14.07				
10	256QAM	50	0	14.27	14.44	14.18				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.63	14.50	14.35				
5	QPSK	1	12	14.30	14.22	14.31	15	0		
5	QPSK	1	24	14.37	14.34	14.16				
5	QPSK	13	0	14.34	14.40	14.42				
5	QPSK	12	7	14.22	14.17	14.47	15	0		
5	QPSK	12	13	14.35	14.24	14.14				
5	QPSK	26	0	14.44	14.42	14.22				
5	16QAM	1	0	14.38	14.21	14.22	15	0		
5	16QAM	1	12	14.36	14.40	14.16				
5	16QAM	1	24	14.47	14.30	14.29				
5	16QAM	12	0	14.60	14.33	14.31				
5	16QAM	12	7	14.23	14.34	14.42	15	0		
5	16QAM	12	13	14.43	14.32	14.42				
5	16QAM	26	0	14.30	14.24	14.30				
5	16QAM	1	0	14.23	14.41	14.13	15	0		
5	16QAM	1	12	14.34	14.35	14.32				
5	16QAM	1	24	14.44	14.24	14.34				
5	16QAM	12	0	14.21	14.41	14.30				
5	16QAM	12	7	14.33	14.42	14.50	15	0		
5	16QAM	12	13	14.40	14.24	14.14				
5	16QAM	26	0	14.53	14.48	14.24				
5	256QAM	1	0	14.35	14.46	14.34				
5	256QAM	1	12	14.31	14.18	14.21	15	0		
5	256QAM	1	24	14.34	14.35	14.34				
5	256QAM	12	0	14.34	14.27	14.43				
5	256QAM	12	7	14.10	14.15	14.35	15	0		
5	256QAM	12	13	14.40	14.12	14.19				
5	256QAM	26	0	14.52	14.35	14.17				

Band 7 DS16 ENDC Ant4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Mask Ch / Freq	Power High Ch / Freq	Turnup Time (s)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.64	17.58	17.35				
20	QPSK	1	49	17.26	17.28	17.41	18	0		
20	QPSK	1	99	17.28	17.40	17.44				
20	QPSK	50	0	17.43	17.47	17.23				
20	QPSK	50	24	17.40	17.32	17.21				
20	QPSK	50	50	17.27	17.31	17.14	18	0		
20	QPSK	100	0	17.40	17.41	17.26				
20	16QAM	1	0	17.52	17.28	17.39				
20	16QAM	1	49	17.25	17.42	17.22	18	0		
20	16QAM	1	99	17.38	17.52	17.33				
20	16QAM	50	0	17.42	17.39	17.41				
20	16QAM	50	24	17.44	17.49	17.38	18	0		
20	16QAM	50	50	17.46	17.28	17.25				
20	16QAM	100	0	17.44	17.23	17.33				
20	16QAM	1	0	17.24	17.43	17.28				
20	16QAM	1	49	17.26	17.28	17.42	18	0		
20	16QAM	1	99	17.39	17.28	17.33				
20	16QAM	50	0	17.25	17.44	17.38				
20	16QAM	50	24	17.43	17.25	17.31	18	0		
20	16QAM	50	50	17.41	17.15	17.33				
20	16QAM	100	0	17.30	17.42	17.37				
20	256QAM	1	0	17.27	17.28	17.41				
20	256QAM	1	49	17.06	17.20	17.25	18	0		
20	256QAM	1	99	17.19	17.14	17.11				
20	256QAM	50	0	17.26	17.39	17.39				
20	256QAM	50	24	17.08	17.14	17.25	18	0		
20	256QAM	50	50	17.13	17.23	17.23				
20	256QAM	100	0	17.27	17.33	17.34				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.75	20.65	20.39				
15	QPSK	1	0	17.22	17.36	17.26				
15	QPSK	1	37	17.23	17.30	17.24	18	0		
15	QPSK	1	74	17.12	17.24	17.18				
15	QPSK	36	0	17.31	17.28	17.38				
15	QPSK	36	20	17.05	17.16	17.03	18	0		
15	QPSK	72	0	17.22	17.34	17.28				
15	QPSK	72	0	17.31	17.21	17.22				
15	16QAM	1	0	17.27	17.08	17.13				
15	16QAM	1	37	17.28	17.14	17.21	18	0		
15	16QAM	1	74	17.34	17.20	17.31				
15	16QAM	36	0	17.22	17.26	17.31				
15	16QAM	36	20	17.22	17.26	17.31	18	0		
15	16QAM	72	0	17.23	17.23	17.33				
15	16QAM	72	0	17.21	17.01	17.12				
15	16QAM	1	37	17.20	17.07	17.07	18	0		
15	16QAM	1	74	17.15	17.22	17.06				
15	16QAM	36	0	17.22	17.10	17.18				
15	16QAM	36	20	17.19	17.10	17.08	18	0		
15	16QAM	72	0	17.27	17.15	17.14				
15	16QAM	72	0	17.13	17.05	17.05				
15	256QAM	1	0	17.22	17.26	17.26				
15	256QAM	1	37	16.96	17.00	17.03	18	0		
15	256QAM	1	74	17.05	17.15	17.14				
15	256QAM	36	0	17.18	17.35	17.35				
15	256QAM	36	20	17.25	17.25	17.31	18	0		
15	256QAM	72	0	17.13	17.10	17.06				
15	256QAM	72	0	17.16	17.29	16.99				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.22	17.20	17.25				
10	QPSK	1	26	17.11	17.33	17.14	18	0		
10	QPSK	1	49	17.08	17.36	17.13				
10	QPSK	25	0	17.18	17.14	17.28				
10	QPSK	25	14	17.05	17.00	17.07	18	0		
10	QPSK	25	28	17.00	17.00	17.00				
10	QPSK	50	0	17.09	17.25	17.09				
10	16QAM	1	0	17.07	17.03	17.08				
10	16QAM	1	26	17.23	17.17	17.17	18	0		
10	16QAM	1	49	17.18	17.08	17.09				
10	16QAM	25	0	17.05	17.24	17.22				
10	16QAM	25	14	17.00	17.00	17.00	18	0		
10	16QAM	25	28	17.29	17.06	17.15				
10	16QAM	50	0	17.21	17.00	17.12				
10	16QAM	1	26	17.22	17.00	17.12	18	0		
10	16QAM	1	49	17.20	17.16	17.14				
10	16QAM	1	49	17.25	17.00	17.15				
10	16QAM	25	12	17.14	17.30	17.15	18	0		
10	16QAM	25	25	17.13	17.01	17.22				
10	16QAM	50	0	17.17	17.10	17.10				
10	256QAM	1	0	17.27	17.30	17.32				
10	256QAM	1	26	16.95	17.16	17.29	18	0		
10	256QAM	1	49	17.16	17.06	17.06				
10	256QAM	25	0	17.28	17.15	17.07				
10	256QAM	25	12	17.17	17.18	17.04	18	0		
10	256QAM	25	25	17.06	17.17	17.07				
10	256QAM	50	0	17.23	17.35	17.36				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.15	17.40	17.34				
5	QPSK	1	12	17.22	17.13	17.21	18	0		
5	QPSK	1	24	17.21	17.37	17.25				
5	QPSK	12	0	17.34	17.16	17.20				
5	QPSK	12	7	17.31	16.96	17.16	18	0		
5	QPSK	12	19	17.15	17.13	17.02				
5	QPSK	24	0	17.26	17.30	17.16				
5	16QAM	1	0	17.14	17.14	17.00				
5	16QAM	1	12	17.18	17.20	17.23	18	0		
5	16QAM	1	24	17.19	17.13	17.10				
5	16QAM	12	0	17.06	17.00	17.08				
5	16QAM	12	7	17.19	17.31	17.02	18	0		
5	16QAM	12	19	17.17	17.14	17.02				
5	16QAM	24	0	17.11	17.01	17.03				
5	16QAM	1	0	17.15	17.28	17.36				
5	16QAM	1	12	17.16	17.13	17.13	18	0		
5	16QAM	1	24	17.06	17.02	17.05				
5	16QAM	12	0	17.21	17.09	17.02				
5	16QAM	12	7	17.29	17.35	17.06	18	0		
5	16QAM	12	19	17.22	16.97	17.00				
5	16QAM	24	0	17.23	17.19	17.07				
5	16QAM	24	7	17.20	17.10	17.02	18	0		
5	256QAM	1	12	17.06	17.19	17.14	18	0		
5	256QAM	1	24	17.02	17.07	17.08				
5	256QAM	12	0	17.34	17.42	17.00				
5	256QAM	12	7	17.24	17.20	17.21				
5	256QAM	12	19	17.21	17.37	17.21	18	0		
5	256QAM	24	0	17.07	17.09	17.07				

Band 66 DS17 ENDC Ant4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Rate (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.62	20.77	20.70	21.5	0						
20	QPSK	1	49	20.52	20.68	20.66								
20	QPSK	1	99	20.48	20.61	20.58								
20	QPSK	50	0	20.68	20.73	20.63								
20	QPSK	50	24	20.63	20.62	20.65	21.5	0						
20	QPSK	50	50	20.66	20.42	20.45								
20	QPSK	100	0	20.49	20.51	20.50								
20	16QAM	1	0	20.63	20.52	20.45								
20	16QAM	1	49	20.52	20.60	20.59	21.5	0						
20	16QAM	1	99	20.63	20.72	20.70								
20	16QAM	50	0	20.63	20.48	20.65								
20	16QAM	50	24	20.65	20.49	20.58								
20	16QAM	100	0	20.64	20.64	20.70	21.5	0						
20	16QAM	100	0	20.46	20.37	20.35								
20	16QAM	1	0	20.58	20.61	20.70								
20	16QAM	1	49	20.44	20.69	20.61								
20	16QAM	1	99	20.55	20.44	20.51	21	0.5						
20	16QAM	50	0	20.26	20.31	20.23								
20	16QAM	50	24	20.21	20.22	20.15								
20	16QAM	100	0	20.22	20.18	20.25								
20	256QAM	1	0	18.22	18.33	18.27	19	2.5						
20	256QAM	1	49	18.13	18.20	18.30								
20	256QAM	1	99	18.08	18.11	18.60								
20	256QAM	50	0	18.06	18.34	18.12								
20	256QAM	50	24	18.03	18.07	18.03	19	2.5						
20	256QAM	100	0	18.24	17.88	18.08								
20	256QAM	100	0	17.90	18.03	18.10								
20	256QAM	100	0	17.97	18.03	18.10								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.40	20.47	20.63	21.5	0						
15	QPSK	1	37	20.21	20.34	20.36								
15	QPSK	1	74	20.39	20.42	20.32								
15	QPSK	36	0	20.48	20.40	20.40								
15	QPSK	36	20	20.39	20.39	20.45	21.5	0						
15	QPSK	36	36	20.42	20.19	20.34								
15	QPSK	75	0	20.42	20.30	20.44								
15	16QAM	1	0	20.45	20.28	20.35								
15	16QAM	1	37	20.22	20.44	20.39	21.5	0						
15	16QAM	1	74	20.27	20.61	20.47								
15	16QAM	36	0	20.50	20.12	20.58								
15	16QAM	36	20	20.59	20.42	20.48								
15	16QAM	75	0	20.37	20.15	20.31	21	0.5						
15	16QAM	1	0	20.43	20.38	20.44								
15	16QAM	1	37	20.28	20.37	20.45								
15	16QAM	1	74	20.33	20.30	20.20								
15	16QAM	36	0	20.09	20.16	20.04	21	0.5						
15	16QAM	36	20	20.12	19.97	19.95								
15	16QAM	36	36	20.05	20.05	19.95								
15	16QAM	75	0	20.06	20.02	20.05								
15	256QAM	1	0	18.06	18.04	18.21	19	2.5						
15	256QAM	1	37	18.07	18.06	18.06								
15	256QAM	1	74	17.98	18.08	17.96								
15	256QAM	36	0	18.02	18.17	18.04								
15	256QAM	36	20	18.21	18.21	18.20	19	2.5						
15	256QAM	36	36	18.31	17.95	18.00								
15	256QAM	75	0	17.98	17.80	17.93								
15	256QAM	75	0	17.96	17.80	17.93								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.40	20.53	20.54	21.5	0						
10	QPSK	1	25	20.38	20.56	20.34								
10	QPSK	1	49	20.18	20.55	20.20								
10	QPSK	25	0	20.58	20.47	20.51								
10	QPSK	25	12	20.43	20.38	20.52	21.5	0						
10	QPSK	25	25	20.40	20.30	20.20								
10	QPSK	36	0	20.40	20.43	20.45								
10	16QAM	1	0	20.39	20.42	20.30								
10	16QAM	1	25	20.32	20.42	20.44	21.5	0						
10	16QAM	1	49	20.08	20.38	20.36								
10	16QAM	25	0	20.57	20.21	20.39								
10	16QAM	25	12	20.56	20.25	20.38								
10	16QAM	36	0	20.51	20.37	20.46	21.5	0						
10	16QAM	36	0	20.38	20.05	20.41								
10	16QAM	1	0	20.33	20.37	20.39								
10	16QAM	1	25	20.38	20.43	20.20								
10	16QAM	1	49	20.34	20.27	20.20	21	0.5						
10	16QAM	25	0	20.07	20.18	20.08								
10	16QAM	25	12	20.12	20.05	19.95								
10	16QAM	25	25	20.05	20.11	20.01								
10	16QAM	50	0	20.09	20.00	20.01	19	2.5						
10	256QAM	1	0	18.13	18.28	18.20								
10	256QAM	1	25	18.15	18.27	18.27								
10	256QAM	1	49	17.95	17.98	17.96								
10	256QAM	25	0	18.07	18.18	18.24	19	2.5						
10	256QAM	25	12	18.27	18.25	18.10								
10	256QAM	25	25	18.02	17.93	17.89								
10	256QAM	50	0	17.90	17.88	17.87								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.40	20.53	20.54	21.5	0						
5	QPSK	1	12	20.47	20.36	20.58								
5	QPSK	1	24	20.27	20.42	20.25								
5	QPSK	12	0	20.41	20.51	20.45								
5	QPSK	12	7	20.28	20.50	20.59	21.5	0						
5	QPSK	12	13	20.53	20.08	20.31								
5	QPSK	36	0	20.19	20.32	20.31								
5	16QAM	1	0	20.35	20.42	20.20								
5	16QAM	1	12	20.34	20.28	20.33	21.5	0						
5	16QAM	1	24	20.30	20.53	20.41								
5	16QAM	12	0	20.43	20.36	20.38								
5	16QAM	12	7	20.38	20.40	20.62								
5	16QAM	12	13	20.49	20.38	20.63	21.5	0						
5	16QAM	25	0	20.40	20.31	20.38								
5	16QAM	1	0	20.34	20.29	20.43								
5	16QAM	1	12	20.10	20.31	20.34								
5	16QAM	1	24	20.25	20.22	20.30	21	0.5						
5	16QAM	12	0	20.07	20.17	20.06								
5	16QAM	12	7	20.09	20.03	19.99								
5	16QAM	12	13	20.05	20.10	20.03								
5	16QAM	25	0	20.03	20.03	20.00	19	2.5						
5	256QAM	1	0	18.19	18.33	18.30								
5	256QAM	1	12	18.15	18.27	18.27								
5	256QAM	1	24	18.04	18.09	17.94								
5	256QAM	12	0	18.25	18.24	18.06	19	2.5						
5	256QAM	12	7	18.03	18.12	18.0								
5	256QAM	12	13	18.29	17.86	17.84								
5	256QAM	25	0	17.98	17.82	17.80								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.43	20.69	20.62	21.5	0						
3	QPSK	1	14	20.33	20.49	20.31								
3	QPSK	8	0	20.44	20.60	20.42								
3	QPSK	8	7	20.35	20.55	20.44								
3	QPSK	8	7	20.41	20.29	20.27	21.5	0						
3	QPSK	16	0	20.32	20.37	20.43								
3	QPSK	16	7	20.23	20.23	20.23								
3	QPSK	1	0	20.32	20.32	20.42								
3	QPSK	1	14	20.32	20.44	20.37	21.5	0						
3	QPSK	1	14	20.17	20.22	20.44								
3	QPSK	8	4	20.43	20.34	20.55								
3	QPSK	8	7	20.46	20.58	20.66								
3	QPSK	8	7	20.27	20.13	20.18	21.5	0						
3	QPSK	1	0	20.29	20.35	20.45								
3	QPSK	1	8	20.18	20.57	20.32								
3	QPSK	1	14	20.29	20.29	20.29								
3	QPSK	8	0	20.55	20.22	20.08	21.5	0						
3	QPSK	8	4	20.12	20.04	19.97								
3	QPSK	8	7	20.09	20.15	20.10								
3	QPSK	16	0	20.04	20.09	20.04								
3	16QAM	1	0	20.35	20.42	20.35	21.5	0.5						
3	16QAM	1	14	20.27	20.40	20.27								
3	16QAM	8	0	20.36	20.51	20.44								
3	16QAM	8	7	20.27	20.47	20.40								
3	16QAM	1	0	20.50	20.36	20.43	21.5	0						
3	16QAM	1	3	20.32	20.10	20.15								
3	16QAM	1	8	20.35	20.54	20.30								
3	16QAM	1	14	20.28	20.21	20.27								
3	16QAM	1	3	20.46	20.29	20.51	21.5	0						
3	16QAM	1	8	20.65	20.21	20.31								
3	16QAM	8	0	20.46	20.21	20.29								
3	16QAM	8	7	20.39	20.38	20.38								
3	16QAM	1	0	20.37	20.37	20.47	21.5	0						
3	16QAM	1	3	20.41	20.30	20.37								
3	16QAM	1	8	20.30	20.30	20.53								
3	16QAM	1	14	20.68	20.28	20.28								
3	16QAM	1	3	20.35	20.17	20.27	21.5	0						
3	16QAM	1	8	20.12	20.24	20.24								
3	16QAM	1	14	20.11	20.11	20.02								
3	16QAM	8	0	20.07	19.98	19.98								
3	16QAM	8	7	18.22	18.11	18.11	19.5	2						
3	16QAM	1	3	19.05	18.92	18.19								
3	16QAM	1	8	18.00	17.88	17.98								
3	16QAM	1	14	18.14	18.12	18.12								
3	16QAM	3	1	18.23	18.20	18.20	19.5	2						
3	16QAM	3	8	18.00	17.91	17.91								
3	16QAM	3	14	17.99	18.05	17.99								
3	16QAM	3	8	17.99	18.05	17.99								



UL CA

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	22.57	24.00
21100	21298	QPSK	1	99	1	0	2	0	22.68	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.65	24.00

Ant 0 DIS&DIS7

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	18.21	19.50
21100	21298	QPSK	1	99	1	0	2	0	18.29	19.50
21350	21152	QPSK	1	0	1	99	2	0	18.15	19.50

Ant 0 DIS6

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	19.69	21.00
21100	21298	QPSK	1	99	1	0	2	0	19.71	21.00
21350	21152	QPSK	1	0	1	99	2	0	19.63	21.00

2CA DL

CA List	PCC								SCC				Power	
	LTE	BW	BW	UL	UL		UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.19	22.30
CA_2A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	22.16	22.30
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	22.34	22.41
CA_2A-5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 5	10M	681.5	2525	22.21	22.30
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	22.30	22.45
CA_4A-5A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	681.5	2525	22.36	22.41
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.38	22.45
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.31	22.41
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.67	22.78
CA_5A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.33	22.45
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 5	10M	681.5	2525	22.62	22.78
CA_5A-41A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	22.29	22.45
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 5	10M	681.5	2525	22.58	22.67
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	Band 7	5M	2544.3	3193	22.61	22.78
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2554.8	3298	22.54	22.78
CA_7A-26A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.61	22.78
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0	Band 7	20M	2655	3100	22.42	22.51
CA_7A-42A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	22.63	22.78
	Band 42	Ant0	20M	3500	42590	QPSK	1	0	Band 7	20M	2655	3100	23.17	23.37
CA_26A-41A	Band 26	Ant1	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	22.34	22.51
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 26	15M	876.5	8865	22.51	22.67
CA_38C	Band 38	Ant0	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	22.42	22.59
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.46	22.67
CA_41A-42A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 42	20M	3500	42590	22.49	22.67
	Band 42	Ant0	20M	3500	42590	QPSK	1	0	Band 41	20M	2593	40620	23.18	23.37
CA_42C	Band 42	Ant0	20M	3575	43340	QPSK	1	0	Band 42	15M	3594.8	43511	23.21	23.37
CA_66B	Band 66	Ant1	15M	1745	132322	QPSK	1	0	Band 66	5M	2154.3	66879	22.42	22.45
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.53	22.45

3CA DL

3CA List	PCC								SCC1				DL Antenna configuration	SCC2				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL		LTE	BW	DL	DL	Tx. Power (dBm)	Without CA (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		
CA_2A_7C	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	22.11	22.30
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	3554.8	3298	4x4MIMO	Band 2	20M	1960	900	22.54	22.78
CA_2A_7A_7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	22.11	22.30
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	5M	3687.5	3425	4x4MIMO	Band 2	20M	1960	900	22.62	22.78
CA_4A_7C	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	22.22	22.41
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	3554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	22.54	22.78
CA_5A_7C	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	22.26	22.45
	Band 5	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	3554.8	3298	4x4MIMO	Band 5	10M	881.5	2525	22.54	22.78
CA_5A_66A_66A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66888	4x4MIMO	Band 66	5M	2197.5	67311	22.27	22.45
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	22.26	22.45
CA_7A_66A_66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66888	4x4MIMO	Band 66	5M	2197.5	67311	22.54	22.78
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	22.36	22.45



Full power Mode

n7 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	22.69	22.81	22.76	24.0	0.0
40	PI/2 BPSK	1	108	22.63	22.73	22.58		
40	PI/2 BPSK	1	214	22.54	22.67	22.56		
40	PI/2 BPSK	108	0	22.10	22.17	22.06	23.5	0.5
40	PI/2 BPSK	108	54	22.54	22.69	22.62	24.0	0.0
40	PI/2 BPSK	108	108	21.38	22.11	22.05	23.5	0.5
40	PI/2 BPSK	216	0	22.13	22.17	22.09		
40	QPSK	1	1	22.77	22.84	22.72	24.0	0.0
40	QPSK	1	108	22.58	22.70	22.64		
40	QPSK	1	214	22.56	22.63	22.54		
40	QPSK	108	0	21.51	21.67	21.55	23.0	1.0
40	QPSK	108	54	22.58	22.68	22.61	24.0	0.0
40	QPSK	108	108	21.54	21.58	21.43	23.0	1.0
40	QPSK	216	0	21.58	21.67	21.55		
40	16QAM	1	1	21.48	21.56	21.45	23.0	1.0
40	64QAM	1	1	20.49	20.55	20.45	21.5	2.5
40	256QAM	1	1	18.03	18.12	18.07	19.5	4.5
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.63	22.71	22.68	24.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	22.70	22.78	22.63	24.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.65	22.76	22.59	24.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.70	22.70	22.67	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.66	22.69	22.65	24.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.63	22.77	22.57	24.0	0.0

n5 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				166800	167300	167800	24.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
20	PI/2 BPSK	1	1	22.55	22.35	22.41	24.0	0.0
20	PI/2 BPSK	1	53	22.34	22.19	22.42		
20	PI/2 BPSK	1	104	22.31	22.30	22.35	23.5	0.5
20	PI/2 BPSK	50	0	22.20	22.22	22.15		
20	PI/2 BPSK	50	28	22.38	22.34	22.37	24.0	0.0
20	PI/2 BPSK	50	56	22.01	22.11	22.05		
20	PI/2 BPSK	100	0	22.17	22.32	22.15	23.5	0.5
20	QPSK	1	1	22.62	22.65	22.56		
20	QPSK	1	53	22.39	22.41	22.55	24.0	0.0
20	QPSK	1	104	22.26	22.47	22.29		
20	QPSK	50	0	21.70	21.71	21.54	23.0	1.0
20	QPSK	50	28	22.50	22.58	22.54		
20	QPSK	50	56	21.67	21.73	21.64	23.0	1.0
20	QPSK	100	0	21.72	21.77	21.65		
20	16QAM	1	1	21.85	22.13	21.91	23.0	1.0
20	64QAM	1	1	20.14	20.12	20.06		
20	256QAM	1	1	18.28	18.28	18.17	19.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	22.52	22.52	22.58		
Channel				165800	167300	168800	24.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
10	QPSK	1	1	22.52	22.57	22.56	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	22.54	22.53	22.57		

n66 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				346000	349000	352000	24.0	0.0
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	22.17	22.31	22.17	24.0	0.0
40	PI/2 BPSK	1	108	22.24	22.35	22.27		
40	PI/2 BPSK	1	214	22.17	22.31	22.20	23.5	0.5
40	PI/2 BPSK	108	0	21.80	21.91	21.77		
40	PI/2 BPSK	108	54	22.13	22.28	22.19	24.0	0.0
40	PI/2 BPSK	108	108	21.65	21.74	21.65		
40	PI/2 BPSK	216	0	21.78	21.86	21.75	24.0	0.0
40	QPSK	1	1	22.39	22.53	22.40		
40	QPSK	1	108	22.39	22.47	22.39	23.0	1.0
40	QPSK	1	214	22.33	22.38	22.26		
40	QPSK	108	0	21.49	21.59	21.47	24.0	0.0
40	QPSK	108	54	22.41	22.50	22.42		
40	QPSK	108	108	21.27	21.39	21.30	23.0	1.0
40	QPSK	216	0	21.25	21.51	21.21		
40	16QAM	1	1	21.35	21.41	21.30	23.0	1.0
40	64QAM	1	1	20.18	20.29	20.23		
40	256QAM	1	1	17.81	17.95	17.86	19.5	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	QPSK	1	1	22.17	22.18	22.23		
Channel				344500	349000	353500	24.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.17	22.17	22.24	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	19.5	4.5
20	QPSK	1	1	17.79	17.89	17.84		
Channel				343500	349000	354500	24.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.08	22.27	22.14	24.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	QPSK	1	1	22.09	22.27	22.11		
Channel				342500	349000	355500	24.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.08	22.25	22.10	19.5	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1710	1745	1780		

Part27Q n78 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.82		24.0	0.0
100	PI/2 BPSK	1	137		22.83			
100	PI/2 BPSK	1	271		22.69			
100	PI/2 BPSK	135	0		22.31			
100	PI/2 BPSK	135	69		22.69		24.0	0.0
100	PI/2 BPSK	135	138		22.08		23.5	0.5
100	PI/2 BPSK	270	0		21.96			
100	QPSK	1	1		22.80		24.0	0.0
100	QPSK	1	137		22.83			
100	QPSK	1	271		22.70			
100	QPSK	135	0		21.98		23.0	1.0
100	QPSK	135	69		22.84		24.0	0.0
100	QPSK	135	138		21.87		23.0	1.0
100	QPSK	270	0		21.86			
100	16QAM	1	1		21.75		23.0	1.0
100	64QAM	1	1		20.85		21.5	2.5
100	256QAM	1	1		18.23		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.80	22.84	22.67	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	22.72	22.79	22.71	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	22.75	22.85	22.86	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	22.69	22.86	22.69	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	22.74	22.87	22.69	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	22.79	22.82	22.71	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	22.72	22.82	22.67	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	22.68	22.77	22.74	24.0	0.0

Part27Q n78 Ant0_SRS								
BW [MHz]	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		19.98		21.5	0.0
100	PI/2 BPSK	1	137		19.86			
100	PI/2 BPSK	1	271		19.88			
100	PI/2 BPSK	135	0		20.01		21.5	0.0
100	PI/2 BPSK	135	69		19.88		21.5	0.0
100	PI/2 BPSK	135	138		19.76		21.5	0.0
100	PI/2 BPSK	270	0		19.87			
100	QPSK	1	1		20.07			
100	QPSK	1	137		19.92		21.5	0.0
100	QPSK	1	271		19.75			
100	QPSK	135	0		19.79		21.5	0.0
100	QPSK	135	69		19.87		21.5	0.0
100	QPSK	135	138		19.96		21.5	0.0
100	QPSK	270	0		19.74			
100	16QAM	1	1		19.62		21.5	0.0
100	64QAM	1	1		18.84		20.5	1.0
100	256QAM	1	1		16.52		18.5	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.82	19.90	19.81	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.81	19.97	19.83	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.81	19.89	19.84	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.79	19.90	19.85	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.79	19.91	19.91	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.79	19.87	19.87	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.76	19.90	19.87	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.78	19.91	19.82	21.5	0.0

Part27Q n78 Ant3_SRS								
BW [MHz]	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		22.71		24.0	0.0
100	PI/2 BPSK	1	137		22.63			
100	PI/2 BPSK	1	271		22.69			
100	PI/2 BPSK	135	0		21.53		23.5	0.5
100	PI/2 BPSK	135	69		22.68		24.0	0.0
100	PI/2 BPSK	135	138		21.62		23.5	0.5
100	PI/2 BPSK	270	0		21.52			
100	QPSK	1	1		22.75		24.0	0.0
100	QPSK	1	157		22.45			
100	QPSK	1	271		22.68			
100	QPSK	135	0		21.13		23.0	1.0
100	QPSK	135	69		22.71		24.0	0.0
100	QPSK	135	138		21.23		23.0	1.0
100	QPSK	270	0		21.09			
100	16QAM	1	1		21.03		23.0	1.0
100	64QAM	1	1		19.65		21.5	2.5
100	256QAM	1	1		17.61		19.5	4.5
Channel				634000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.60	22.65	22.56	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	22.65	22.73	22.52	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	22.64	22.70	22.50	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	22.65	22.70	22.49	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	22.62	22.69	22.60	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	22.63	22.64	22.49	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	22.65	22.67	22.48	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	22.66	22.71	22.54	24.0	0.0

Part27Q n78 Ant8_SRS								
BW [MHz]	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		21.81		22.5	0.0
100	PI/2 BPSK	1	137		21.79			
100	PI/2 BPSK	1	271		21.61			
100	PI/2 BPSK	135	0		21.77			
100	PI/2 BPSK	135	69		21.82		22.5	0.0
100	PI/2 BPSK	135	138		21.73		22.5	0.0
100	PI/2 BPSK	270	0		21.64			
100	QPSK	1	1		21.85		22.5	0.0
100	QPSK	1	137		21.75			
100	QPSK	1	271		21.61			
100	QPSK	135	0		21.51			
100	QPSK	135	69		21.80		22.5	0.0
100	QPSK	135	138		21.71		22.5	0.0
100	QPSK	270	0		21.63			
100	16QAM	1	1		20.96		22.5	0.0
100	64QAM	1	1		20.01		21.5	1.0
100	256QAM	1	1		17.58		19.5	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.60	21.71	21.62	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.55	21.72	21.64	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.50	21.71	21.61	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.50	21.72	21.60	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.48	21.72	21.66	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.59	21.73	21.61	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.57	21.71	21.59	22.5	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	21.70	21.66	22.5	0.0

Reduced Power Mode

n7 DSI3&DSI7 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	21.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	19.72	19.80	19.79	21.0	0.0	
40	PI/2 BPSK	1	108	19.72	19.79	19.66			
40	PI/2 BPSK	1	214	19.56	19.72	19.50			
40	PI/2 BPSK	108	0	19.62	19.80	19.80			
40	PI/2 BPSK	108	54	19.66	19.70	19.51	21.0	0.0	
40	PI/2 BPSK	108	108	19.46	19.67	19.56			
40	PI/2 BPSK	216	0	19.77	19.78	19.76			
40	QPSK	1	1	19.79	19.83	19.71			
40	QPSK	1	108	19.63	19.67	19.56	21.0	0.0	
40	QPSK	1	214	19.72	19.81	19.80			
40	QPSK	108	0	19.71	19.67	19.67			
40	QPSK	108	54	19.65	19.70	19.69			
40	QPSK	108	108	19.63	19.67	19.70	21.0	0.0	
40	QPSK	216	0	19.62	19.65	19.61			
40	16QAM	1	1	19.48	19.49	19.42		0.0	
40	64QAM	1	1	19.51	19.50	19.39			
40	256QAM	1	1	18.03	18.12	18.07			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	21.0	0.0	
30	QPSK	1	1	19.53	19.69	19.50			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	21.0	0.0	
25	QPSK	1	1	19.46	19.62	19.52			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	21.0	0.0	
20	QPSK	1	1	19.55	19.55	19.66			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	21.0	0.0	
15	QPSK	1	1	19.48	19.66	19.60			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	21.0	0.0	
10	QPSK	1	1	19.48	19.53	19.59			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	21.0	0.0	
5	QPSK	1	1	19.61	19.61	19.62			

n7 DSI3&DSI7 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				504000	507000	510000	17.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	15.64	15.81	15.77	17.0	0.0	
40	PI/2 BPSK	1	108	15.67	15.86	15.65			
40	PI/2 BPSK	1	214	15.65	15.65	15.48			
40	PI/2 BPSK	108	0	15.61	15.82	15.81			
40	PI/2 BPSK	108	54	15.65	15.70	15.46	17.0	0.0	
40	PI/2 BPSK	108	108	15.49	15.69	15.64			
40	PI/2 BPSK	216	0	15.71	15.73	15.68			
40	QPSK	1	1	15.72	15.90	15.74			
40	QPSK	1	108	15.58	15.75	15.62	17.0	0.0	
40	QPSK	1	214	15.74	15.80	15.82			
40	QPSK	108	0	15.74	15.62	15.63			
40	QPSK	108	54	15.62	15.71	15.68			
40	QPSK	108	108	15.56	15.61	15.76	17.0	0.0	
40	QPSK	216	0	15.63	15.63	15.61			
40	16QAM	1	1	15.39	15.54	15.35			
40	64QAM	1	1	15.50	15.50	15.38			
40	256QAM	1	1	15.62	15.73	15.50	17.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555	17.0	0.0	
30	QPSK	1	1	15.72	15.71	15.60			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	17.0	0.0	
25	QPSK	1	1	15.71	15.64	15.66			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	17.0	0.0	
20	QPSK	1	1	15.80	15.71	15.60			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	17.0	0.0	
15	QPSK	1	1	15.64	15.75	15.69			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	17.0	0.0	
10	QPSK	1	1	15.78	15.60	15.63			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	17.0	0.0	
5	QPSK	1	1	15.70	15.72	15.71			

n7 DS16 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	20.83	20.73	20.82	22.0		
40	PI/2 BPSK	1	108	20.75	20.70	20.55		0.0	
40	PI/2 BPSK	1	214	20.47	20.69	20.37			
40	PI/2 BPSK	108	0	20.76	20.67	20.82		0.0	
40	PI/2 BPSK	108	54	20.70	20.62	20.64	22.0	0.0	
40	PI/2 BPSK	108	108	20.50	20.57	20.46	22.0	0.0	
40	PI/2 BPSK	216	0	20.70	20.72	20.86			
40	QPSK	1	1	20.90	20.92	20.84			
40	QPSK	1	108	20.52	20.54	20.54		0.0	
40	QPSK	1	214	20.86	20.82	20.73	22.0		
40	QPSK	108	0	20.58	20.81	20.57		0.0	
40	QPSK	108	54	20.64	20.83	20.75		0.0	
40	QPSK	108	108	20.66	20.73	20.58		0.0	
40	QPSK	216	0	20.71	20.76	20.40	22.0	0.0	
40	16QAM	1	1	20.58	20.69	20.54		0.0	
40	64QAM	1	1	20.49	20.55	20.45		0.5	
40	256QAM	1	1	18.03	18.12	18.07		19.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.71	18.66	18.55	22.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.72	18.77	18.60	22.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.69	18.74	18.60	22.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.71	18.71	18.66	22.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.60	18.80	18.52	22.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.55	18.81	18.60	22.0	0.0	

n7 DS16 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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.64	16.89	16.73	18.0		
40	PI/2 BPSK	1	108	16.65	16.86	16.67		0.0	
40	PI/2 BPSK	1	214	16.67	16.58	16.52			
40	PI/2 BPSK	108	0	16.63	16.89	16.84		0.0	
40	PI/2 BPSK	108	54	16.73	16.65	16.53	18.0	0.0	
40	PI/2 BPSK	108	108	16.44	16.60	16.70	18.0	0.0	
40	PI/2 BPSK	216	0	16.65	16.72	16.67			
40	QPSK	1	1	16.70	16.57	16.69			
40	QPSK	1	108	16.54	16.69	16.57		0.0	
40	QPSK	1	214	16.82	16.76	16.77	18.0		
40	QPSK	108	0	16.69	16.57	16.58		0.0	
40	QPSK	108	54	16.70	16.75	16.61		0.0	
40	QPSK	108	108	16.52	16.60	16.69		0.0	
40	QPSK	216	0	16.68	16.60	16.59	18.0	0.0	
40	16QAM	1	1	16.46	16.58	16.31		0.0	
40	64QAM	1	1	16.41	16.55	16.45		0.0	
40	256QAM	1	1	16.56	16.69	16.44		0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.70	16.62	16.62	18.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.68	16.70	16.57	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.69	16.65	16.56	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.75	16.56	16.68	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.81	16.60	16.68	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.74	16.70	16.65	18.0	0.0	

n5 DSI3&7 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				166800	167300	167800	21.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	19.41	19.45	19.31	21.0	0.0	
20	PI/2 BPSK	1	53	19.41	19.14	19.38			
20	PI/2 BPSK	1	104	19.19	19.23	19.38	21.0	0.0	
20	PI/2 BPSK	50	0	19.52	19.46	19.49			
20	PI/2 BPSK	50	28	19.57	19.62	19.43	21.0	0.0	
20	PI/2 BPSK	50	56	19.32	19.26	19.41			
20	PI/2 BPSK	100	0	19.16	19.40	19.27	21.0	0.0	
20	QPSK	1	1	19.58	19.72	19.66			
20	QPSK	1	53	19.37	19.52	19.69	21.0	0.0	
20	QPSK	1	104	19.20	19.60	19.25			
20	QPSK	50	0	19.50	19.53	19.54	21.0	0.0	
20	QPSK	50	28	19.51	19.55	19.47		0.0	
20	QPSK	50	56	19.50	19.50	19.42	21.0	0.0	
20	QPSK	100	0	19.54	19.62	19.46			
20	16QAM	1	1	19.33	19.34	19.42	21.0	0.0	
20	64QAM	1	1	19.20	19.32	19.22		0.0	
20	256QAM	1	1	18.28	18.28	18.17	19.5	1.5	
Channel				166300	167300	168300	21.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	19.11	19.29	19.21	21.0	0.0	
Channel				165800	167300	168800		0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	19.23	19.34	19.22	21.0	0.0	
Channel				165300	167300	169300		0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	19.16	19.40	19.19	21.0	0.0	

n66 DSI7 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				346000	349000	352000	16.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	14.20	14.36	14.33	16.0	0.0	
40	PI/2 BPSK	1	108	14.36	14.40	14.35			
40	PI/2 BPSK	1	214	14.16	14.31	14.17	16.0	0.0	
40	PI/2 BPSK	108	0	14.38	14.40	14.29			
40	PI/2 BPSK	108	54	14.30	14.42	14.21	16.0	0.0	
40	PI/2 BPSK	108	108	14.23	14.30	14.35			
40	PI/2 BPSK	216	0	14.30	14.20	14.18	16.0	0.0	
40	QPSK	1	1	14.43	14.44	14.36			
40	QPSK	1	108	14.32	14.43	14.35	16.0	0.0	
40	QPSK	1	214	14.33	14.31	14.30			
40	QPSK	108	0	14.22	14.40	14.33	16.0	0.0	
40	QPSK	108	54	14.30	14.41	14.29		0.0	
40	QPSK	108	108	14.26	14.28	14.09	16.0	0.0	
40	QPSK	216	0	14.30	14.35	14.34			
40	16QAM	1	1	14.30	14.42	14.35	16.0	0.0	
40	64QAM	1	1	14.35	14.30	14.22		0.0	
40	256QAM	1	1	14.25	14.37	14.19	16.0	0.0	
Channel				345000	349000	353000		0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	13.97	14.07	13.94	16.0	0.0	
Channel				344500	349000	353500		0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	14.08	14.07	13.87	16.0	0.0	
Channel				344000	349000	354000		0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	13.96	14.12	13.96	16.0	0.0	
Channel				343500	349000	354500		0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	13.97	14.10	13.93	16.0	0.0	
Channel				343000	349000	355000		0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	13.95	14.06	13.94	16.0	0.0	
Channel				342500	349000	355500		0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	14.11	14.06	13.98	16.0	0.0	

n66 DSI6 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				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	19.30	19.39	19.26	21.0	0.0
40	PI/2 BPSK	1	108	19.23	19.36	19.26		
40	PI/2 BPSK	1	214	19.22	19.29	19.10	21.0	0.0
40	PI/2 BPSK	108	0	19.27	19.37	19.35		
40	PI/2 BPSK	108	54	19.31	19.49	19.27	21.0	0.0
40	PI/2 BPSK	108	108	19.29	19.45	19.35		
40	PI/2 BPSK	216	0	19.16	19.31	19.11	21.0	0.0
40	QPSK	1	1	19.37	19.58	19.40		
40	QPSK	1	108	19.40	19.52	19.40	21.0	0.0
40	QPSK	1	214	19.27	19.44	19.18		
40	QPSK	108	0	19.27	19.40	19.33	21.0	0.0
40	QPSK	108	54	19.36	19.49	19.36		
40	QPSK	108	108	19.26	19.32	19.19	21.0	0.0
40	QPSK	216	0	19.30	19.36	19.33		
40	16QAM	1	1	19.32	19.45	19.35	21.0	0.0
40	64QAM	1	1	19.26	19.26	19.23		
40	256QAM	1	1	17.81	17.95	17.86	19.5	1.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.15	19.21	19.16	21.0	0.0
Channel				341500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.20	19.21	19.15	21.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.26	19.36	19.18	21.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.27	19.29	19.11	21.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.22	19.24	19.25	21.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.18	19.23	19.16	21.0	0.0

n66 DSI3 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				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	15.87	15.87	15.89	17.5	0.0
40	PI/2 BPSK	1	108	15.84	15.80	15.74		
40	PI/2 BPSK	1	214	15.71	15.69	15.60	17.5	0.0
40	PI/2 BPSK	108	0	15.87	15.93	15.81		
40	PI/2 BPSK	108	54	15.76	15.86	15.76	17.5	0.0
40	PI/2 BPSK	108	108	15.70	15.81	15.76		
40	PI/2 BPSK	216	0	15.73	15.79	15.67	17.5	0.0
40	QPSK	1	1	15.95	16.01	15.91		
40	QPSK	1	108	15.86	15.89	15.92	17.5	0.0
40	QPSK	1	214	15.89	15.88	15.71		
40	QPSK	108	0	15.81	15.81	15.72	17.5	0.0
40	QPSK	108	54	15.88	15.89	15.80		
40	QPSK	108	108	15.81	15.82	15.73	17.5	0.0
40	QPSK	216	0	15.76	15.84	15.81		
40	16QAM	1	1	15.85	15.88	15.85	17.5	0.0
40	64QAM	1	1	15.85	15.81	15.82		
40	256QAM	1	1	15.77	15.81	15.71	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.67	15.77	15.48	17.5	0.0
Channel				341500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	15.68	15.67	15.56	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.71	15.65	15.47	17.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.62	15.68	15.62	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.65	15.65	15.48	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.65	15.66	15.54	17.5	0.0

Part27Q n78 DSI2 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.15		18.5	0.0
100	PI/2 BPSK	1	137		17.17			
100	PI/2 BPSK	1	271		17.25			
100	PI/2 BPSK	135	0		17.30		18.5	0.0
100	PI/2 BPSK	135	69		17.24		18.5	0.0
100	PI/2 BPSK	135	138		17.28		18.5	0.0
100	PI/2 BPSK	270	0		17.01			
100	QPSK	1	1		17.36			
100	QPSK	1	137		17.32		18.5	0.0
100	QPSK	1	271		17.32			
100	QPSK	135	0		17.32		18.5	0.0
100	QPSK	135	69		17.41		18.5	0.0
100	QPSK	135	138		17.20		18.5	0.0
100	QPSK	270	0		17.25			
100	16QAM	1	1		17.15		18.5	0.0
100	64QAM	1	1		17.13		18.5	0.0
100	256QAM	1	1		17.03		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.76	16.62	16.53	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.78	16.86	16.67	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.72	16.63	16.64	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.84	16.80	16.77	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.60	16.64	16.71	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.76	16.84	16.81	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.66	16.61	16.53	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.66	16.73	16.53	18.5	0.0



Part27Q n78 DSI2 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.52			
100	PI/2 BPSK	1	137		14.75		16.0	0.0
100	PI/2 BPSK	1	271		14.78			
100	PI/2 BPSK	135	0		14.77		16.0	0.0
100	PI/2 BPSK	135	69		14.64		16.0	0.0
100	PI/2 BPSK	135	138		14.64			
100	PI/2 BPSK	270	0		14.42		16.0	0.0
100	QPSK	1	1		14.35			
100	QPSK	1	137		14.87		16.0	0.0
100	QPSK	1	271		14.90			
100	QPSK	135	0		14.68		16.0	0.0
100	QPSK	135	69		14.85		16.0	0.0
100	QPSK	135	138		14.74			
100	QPSK	270	0		14.81		16.0	0.0
100	16QAM	1	1		14.52		16.0	0.0
100	64QAM	1	1		14.87		16.0	0.0
100	256QAM	1	1		14.40		16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.39	14.07	14.13	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.18	14.09	13.89	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.40	14.09	13.96	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.35	14.07	13.93	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.26	14.10	14.17	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.20	14.20	14.05	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.25	14.13	14.00	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.19	14.26	14.00	16.0	0.0

Part27Q n78 DSI3&7 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)					3500.01			
100	PI/2 BPSK	1	1		19.73		21.0	0.0
100	PI/2 BPSK	1	137		19.68			
100	PI/2 BPSK	1	271		19.77			
100	PI/2 BPSK	135	0		19.81		21.0	0.0
100	PI/2 BPSK	135	69		19.58		21.0	0.0
100	PI/2 BPSK	135	138		19.78		21.0	0.0
100	PI/2 BPSK	270	0		19.63			
100	QPSK	1	1		19.93		21.0	0.0
100	QPSK	1	137		19.70			
100	QPSK	1	271		19.77			
100	QPSK	135	0		19.67		21.0	0.0
100	QPSK	135	69		19.85		21.0	0.0
100	QPSK	135	138		19.65		21.0	0.0
100	QPSK	270	0		19.84			
100	16QAM	1	1		19.65		21.0	0.0
100	64QAM	1	1		19.72		21.0	0.0
100	256QAM	1	1		18.23		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.62	19.52	19.21	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.63	19.54	19.33	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.53	19.41	19.33	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.49	19.32	19.33	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.58	19.54	19.30	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.42	19.35	19.27	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.69	19.31	19.41	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.67	19.34	19.39	21.0	0.0

Part27Q n78 DSI3&7 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		16.64		18.0	0.0
100	PI/2 BPSK	1	137		16.76			
100	PI/2 BPSK	1	271		16.71			
100	PI/2 BPSK	135	0		16.87			
100	PI/2 BPSK	135	69		16.55		18.0	0.0
100	PI/2 BPSK	135	138		16.73		18.0	0.0
100	PI/2 BPSK	270	0		16.62			
100	QPSK	1	1		17.02		18.0	0.0
100	QPSK	1	137		16.63			
100	QPSK	1	271		16.79			
100	QPSK	135	0		16.62			
100	QPSK	135	69		16.92		18.0	0.0
100	QPSK	135	138		16.60		18.0	0.0
100	QPSK	270	0		16.77			
100	16QAM	1	1		16.66		18.0	0.0
100	64QAM	1	1		16.73		18.0	0.0
100	256QAM	1	1		16.64		16.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.58	16.43	16.28	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.58	16.52	16.21	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.54	16.57	16.26	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.62	16.54	16.20	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.53	16.55	16.25	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.58	16.57	16.20	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.67	16.49	16.17	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.58	16.45	16.14	18.0	0.0

Part27Q n78 DSI6 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.73			
100	PI/2 BPSK	1	137		20.68		22.0	0.0
100	PI/2 BPSK	1	271		20.84			
100	PI/2 BPSK	135	0		20.90		22.0	0.0
100	PI/2 BPSK	135	69		20.68		22.0	0.0
100	PI/2 BPSK	135	138		20.80		22.0	0.0
100	PI/2 BPSK	270	0		20.66			
100	QPSK	1	1		20.93			
100	QPSK	1	137		20.89		22.0	0.0
100	QPSK	1	271		20.79			
100	QPSK	135	0		20.90		22.0	0.0
100	QPSK	135	69		20.91		22.0	0.0
100	QPSK	135	138		20.72		22.0	0.0
100	QPSK	270	0		20.66			
100	16QAM	1	1		20.66		22.0	0.0
100	64QAM	1	1		20.85		21.5	0.5
100	256QAM	1	1		18.23		19.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.53	20.49	20.27	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.64	20.33	20.28	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.69	20.49	20.35	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.53	20.33	20.26	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.42	20.37	20.32	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.48	20.28	20.40	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.52	20.49	20.23	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.54	20.31	20.40	22.0	0.0

Part27Q n78 DSI6 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.69		20.0	0.0
100	PI/2 BPSK	1	137		18.72			
100	PI/2 BPSK	1	271		18.84			
100	PI/2 BPSK	135	0		18.89			
100	PI/2 BPSK	135	69		18.75		20.0	0.0
100	PI/2 BPSK	135	138		18.74		20.0	0.0
100	PI/2 BPSK	270	0		18.67			
100	QPSK	1	1		18.88		20.0	0.0
100	QPSK	1	137		18.82			
100	QPSK	1	271		18.71			
100	QPSK	135	0		18.85			
100	QPSK	135	69		18.85		20.0	0.0
100	QPSK	135	138		18.74		20.0	0.0
100	QPSK	270	0		18.92			
100	16QAM	1	1		18.67		20.0	0.0
100	64QAM	1	1		18.82		20.0	0.0
100	256QAM	1	1		18.23		19.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.44	18.56	18.26	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.50	18.41	18.29	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.55	18.50	18.22	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.50	18.55	18.24	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.51	18.47	18.26	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.48	18.58	18.23	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.57	18.51	18.31	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.57	18.58	18.25	20.0	0.0

Part27Q n78 DSI2 Ant3_SRS								
BW [MHz]	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		19.66		21.0	0.0
100	PI/2 BPSK	1	137		19.53			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.47			
100	PI/2 BPSK	135	69		19.52		21.0	0.0
100	PI/2 BPSK	135	138		19.38		21.0	0.0
100	PI/2 BPSK	270	0		19.30			
100	QPSK	1	1		19.72		21.0	0.0
100	QPSK	1	137		19.32			
100	QPSK	1	271		19.38			
100	QPSK	135	0		19.69			
100	QPSK	135	69		19.49		21.0	0.0
100	QPSK	135	138		19.40		21.0	0.0
100	QPSK	270	0		19.60			
100	16QAM	1	1		19.48		21.0	0.0
100	64QAM	1	1		19.16		21.0	0.0
100	256QAM	1	1		17.61		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.41	19.63	19.42	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.29	19.36	19.27	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.25	19.36	19.23	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.42	19.52	19.32	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.37	19.51	19.29	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.48	19.53	19.35	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.50	19.53	19.43	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.39	19.36	19.45	21.0	0.0

Part27Q n78 DSI3&7 Ant3_SRS								
BW [MHz]	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		18.65		20.0	0.0
100	PI/2 BPSK	1	137		18.52			
100	PI/2 BPSK	1	271		18.09			
100	PI/2 BPSK	135	0		18.59		20.0	0.0
100	PI/2 BPSK	135	69		18.59		20.0	0.0
100	PI/2 BPSK	135	138		18.48		20.0	0.0
100	PI/2 BPSK	270	0		18.20			
100	QPSK	1	1		18.77		20.0	0.0
100	QPSK	1	157		18.40			
100	QPSK	1	271		18.25			
100	QPSK	135	0		18.65		20.0	0.0
100	QPSK	135	69		18.58		20.0	0.0
100	QPSK	135	138		18.52		20.0	0.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.40		20.0	0.0
100	64QAM	1	1		18.10		20.0	0.0
100	256QAM	1	1		17.61		19.5	0.5
Channel				634000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.36	18.21	18.15	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.19	18.34	18.40	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.16	18.49	19.21	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.33	18.32	18.23	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.41	18.23	18.16	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.19	18.49	19.37	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.25	18.47	18.35	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.15	18.26	18.19	20.0	0.0

Part27Q n78 DSI6 Ant3_SRS								
BW [MHz]	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		20.66			
100	PI/2 BPSK	1	137		20.49		22.0	0.0
100	PI/2 BPSK	1	271		20.19			
100	PI/2 BPSK	135	0		20.47		22.0	0.0
100	PI/2 BPSK	135	69		20.49		22.0	0.0
100	PI/2 BPSK	135	138		20.38		22.0	0.0
100	PI/2 BPSK	270	0		20.37			
100	QPSK	1	1		20.67			
100	QPSK	1	137		20.22		22.0	0.0
100	QPSK	1	271		20.23			
100	QPSK	135	0		20.61		22.0	0.0
100	QPSK	135	69		20.37		22.0	0.0
100	QPSK	135	138		20.49		22.0	0.0
100	QPSK	270	0		20.46			
100	16QAM	1	1		20.37		22.0	0.0
100	64QAM	1	1		19.65		21.5	0.5
100	256QAM	1	1		17.61		19.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.41	19.63	19.42	22.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	19.29	19.36	19.27	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	19.25	19.36	19.23	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	19.42	19.52	19.32	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	19.37	19.51	19.29	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	19.48	19.53	19.35	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	19.50	19.53	19.43	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	19.39	19.36	19.45	22.0	0.0

Part27Q n78 DSI3&7 Ant8_SRS								
BW [MHz]	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		17.51			
100	PI/2 BPSK	1	137		17.78		18.5	0.0
100	PI/2 BPSK	1	271		17.47			
100	PI/2 BPSK	135	0		17.65		18.5	0.0
100	PI/2 BPSK	135	69		17.81		18.5	0.0
100	PI/2 BPSK	135	138		17.70			
100	PI/2 BPSK	270	0		17.52		18.5	0.0
100	QPSK	1	1		17.54			
100	QPSK	1	137		17.80		18.5	0.0
100	QPSK	1	271		17.51			
100	QPSK	135	0		17.49		18.5	0.0
100	QPSK	135	69		17.78		18.5	0.0
100	QPSK	135	138		17.67			
100	QPSK	270	0		17.61		18.5	0.0
100	16QAM	1	1		17.49		18.5	0.0
100	64QAM	1	1		17.36		18.5	0.0
100	256QAM	1	1		17.58		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.51	17.59	17.67	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.75	17.66	17.76	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.59	17.77	17.62	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.57	17.71	17.48	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.56	17.54	17.70	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.59	17.83	17.62	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.56	17.60	17.65	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.52	17.60	17.63	18.5	0.0

Part27Q n78 DS16 Ant8_SRS								
BW [MHz]	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		19.71		20.5	0.0
100	PI/2 BPSK	1	137		19.86			
100	PI/2 BPSK	1	271		19.69			
100	PI/2 BPSK	135	0		19.76			
100	PI/2 BPSK	135	69		19.74		20.5	0.0
100	PI/2 BPSK	135	138		19.83		20.5	0.0
100	PI/2 BPSK	270	0		19.74			
100	QPSK	1	1		19.67			
100	QPSK	1	137		19.71			
100	QPSK	1	271		19.52		20.5	0.0
100	QPSK	135	0		19.65		20.5	0.0
100	QPSK	135	69		19.84		20.5	0.0
100	QPSK	135	138		19.80		20.5	0.0
100	QPSK	270	0		19.63			
100	16QAM	1	1		18.82		20.5	0.0
100	64QAM	1	1		18.71		20.5	0.0
100	256QAM	1	1		17.58		19.5	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.55	19.75	19.60	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.74	19.76	19.49	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.72	19.76	19.47	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.73	19.77	19.59	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.50	19.72	19.65	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.61	19.60	19.47	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.65	19.57	19.53	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.64	19.70	19.72	20.5	0.0



Conducted Power

Ant 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	18.82	20.50		13.50		13.00	
		11	2462	15.15	16.50		13.50		13.00	
	802.11n-HT20 MCS0	1	2412	13.10	14.50	Not Required	13.50	Not Required	13.00	97.42
		6	2437	18.67	20.00		13.50		13.00	
		11	2462	14.52	16.00		13.50		13.00	
	802.11n-HT40 MCS0	3	2422	12.09	13.50	Not Required	13.50	Not Required	13.00	94.92
		6	2437	15.08	16.50		13.50		13.00	
		9	2452	12.45	14.00		13.50		13.00	

Ant 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	Not Required	13.50	Not Required	12.00	98.96
		40	5200	17.99	19.50		17.00		13.50		12.00	
		44	5220	18.02	19.50		17.00		13.50		12.00	
	802.11n-HT20 MCS0	48	5240	17.90	19.50	Not Required	17.00	Not Required	13.50	Not Required	12.00	97.42
		36	5180	14.60	16.00		16.00		13.50		12.00	
		40	5200	17.80	19.50		17.00		13.50		12.00	
	802.11n-HT40 MCS0	44	5220	17.59	19.00	Not Required	17.00	Not Required	13.50	Not Required	12.00	96.32
		48	5240	17.86	19.50		17.00		13.50		12.00	
		38	5190	13.97	15.50		15.50		13.50		12.00	
	802.11ac-VHT20 MCS0	46	5230	16.83	18.00	Not Required	15.77	Not Required	13.50	Not Required	12.00	97.42
		36	5180	14.28	16.00		16.00		13.50		12.00	
		40	5200	16.90	18.50		17.00		13.50		12.00	
	802.11ac-VHT40 MCS0	44	5220	16.94	18.50	Not Required	17.00	Not Required	13.50	Not Required	12.00	96.32
		48	5240	16.96	18.50		17.00		13.50		12.00	
		38	5190	13.75	15.00		15.00		13.50		12.00	
	802.11ac-VHT80 MCS0	46	5230	16.30	17.50	Not Required	17.00	Not Required	13.50	Not Required	12.00	92.75
		42	5210	13.77	15.00		15.00		12.12		10.69	

Ant 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	5260	17.99	19.50	Not Required	17.00	Not Required	13.50	98.96
		58	5280	18.07	19.50		17.00		13.50	
		60	5300	18.13	19.50		17.00		13.50	
	802.11n-HT20 MCS0	64	5320	18.10	19.50	Not Required	17.00	Not Required	13.50	97.42
		52	5260	18.00	19.50		17.00		13.50	
		58	5280	18.05	19.50		17.00		13.50	
	802.11n-HT40 MCS0	60	5300	18.10	19.50	Not Required	17.00	Not Required	13.50	96.32
		64	5320	18.03	19.50		17.00		13.50	
		54	5270	16.91	18.00		15.89		13.50	
	802.11ac-VHT20 MCS0	62	5310	14.47	16.00	Not Required	14.47	Not Required	13.50	97.42
		52	5260	17.00	18.50		17.00		13.50	
		58	5280	17.17	18.50		17.00		13.50	
	802.11ac-VHT40 MCS0	60	5300	17.15	18.50	Not Required	17.00	Not Required	13.50	96.32
		64	5320	17.35	18.50		17.00		13.50	
		54	5270	16.41	17.50		17.00		13.50	
	802.11ac-VHT80 MCS0	62	5310	14.45	16.00	Not Required	16.00	Not Required	13.50	92.75
		58	5290	13.44	15.00		15.00		12.34	

Ant 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
5.8GHz WLAN	802.11a 6Mbps	100	5500	18.17	19.50	Not Required	15.00	Not Required	12.00	17.64	19.00	98.96
		116	5580	18.21	19.50		15.00		12.00	17.72	19.00	
		132	5660	17.94	19.50		15.00		12.00	17.58	19.00	
	802.11n-HT20 MCS0	140	5700	17.51	19.50	Not Required	15.00	Not Required	12.00	17.02	19.00	97.42
		100	5500	18.13	19.50		15.00		12.00	19.00		
		116	5580	18.22	19.50		15.00		12.00	19.00		
	802.11n-HT40 MCS0	132	5660	17.83	19.50	Not Required	15.00	Not Required	12.00	19.00	96.32	
		140	5700	17.56	19.50		15.00		12.00	19.00		
		102	5510	17.04	18.00		15.00		12.00	18.00		
	802.11ac-VHT20 MCS0	110	5550	17.09	18.00	Not Required	15.00	Not Required	12.00	Not Required	18.00	97.42
		134	5670	16.74	18.00		15.00		12.00		18.00	
		100	5500	17.33	18.50		15.00		12.00		18.50	
	802.11ac-VHT40 MCS0	116	5580	17.36	18.50	Not Required	15.00	Not Required	12.00		18.50	96.32
		132	5660	16.89	18.50		15.00		12.00		18.50	
		140	5700	16.58	18.50		15.00		12.00		18.50	
	802.11ac-VHT80 MCS0	102	5510	16.65	17.50	Not Required	15.00	Not Required	12.00		17.50	92.75
		110	5550	16.60	17.50		15.00		12.00		17.50	
	802.11ac-VHT80 MCS0	134	5670	16.23	17.50	Not Required	15.00	Not Required	12.00		17.50	92.75
		106	5530	16.02	17.00		13.62		10.65		17.00	

Ant 6 Full Power Handheld (Standalone)						Head (Standalone)		Head (Simultaneous)		Body Worn (Standalone) Handheld (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		18.00					12.50	14.00	
		165	5825	18.32	19.50		18.00					12.50	14.00	
	802.11n-HT20 MCS0	149	5745	17.97	19.50	18.00	12.50	14.00	7.00	97.42				
		157	5785	18.19	19.50		18.00	12.50	14.00		7.00			
		165	5825	18.22	19.50		18.00	12.50	14.00		7.00			
	802.11n-HT40 MCS0	151	5755	16.89	18.00	16.66	18.00	Not Required	12.50	Not Required	14.00	Not Required	7.00	96.32
		159	5795	17.14	18.00									
	802.11ac-VHT20 MCS0	149	5745	16.97	18.50	18.00	12.50	14.00	7.00	97.42				
		157	5785	17.32	18.50		18.00	12.50	14.00		7.00			
		165	5825	17.39	18.50		18.00	12.50	14.00		7.00			
	802.11ac-VHT40 MCS0	151	5755	16.42	17.50	Not Required	17.50	12.50	14.00	7.00	96.32			
		159	5795	16.79	17.50		17.50	12.50	14.00	7.00				
	802.11ac-VHT80 MCS0	155	5775	16.03	17.00	17.00	11.14	12.50	12.77	14.00	5.66	7.00	92.75	

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	4.26
	CH 19	2440	4.18
	CH 39	2480	4.71
Tune-up Limit			5.5