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Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 855664. "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3931

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.50	0.55	0.49	$\pm 10.1\%$
DCP (mV) ^B	88.5	100.9	102.1	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB μpV	C	D dB	VR mV	Max Dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	158.1	$\pm 3.5\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		147.6		
		Z	0.00	0.00	1.00		137.9		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	20.00	96.10	23.12	10.00	60.0	$\pm 3.6\%$	$\pm 9.6\%$
		Y	20.00	96.65	24.10		60.0		
		Z	20.00	96.91	23.51		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	20.00	105.96	26.95	6.89	80.0	$\pm 2.6\%$	$\pm 9.6\%$
		Y	20.00	96.16	23.24		80.0		
		Z	20.00	97.56	23.45		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	20.00	137.96	40.58	3.98	95.0	$\pm 1.5\%$	$\pm 9.6\%$
		Y	20.00	100.09	23.74		95.0		
		Z	20.00	103.73	25.22		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	5.17	160.00	56.75	2.22	120.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y	20.00	107.08	25.66		120.0		
		Z	20.00	112.68	28.09		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	2.82	77.76	20.56	1.00	150.0	$\pm 2.5\%$	$\pm 9.6\%$
		Y	1.79	66.64	15.58		150.0		
		Z	1.73	66.50	15.34		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	2.86	73.69	19.27	0.00	150.0	$\pm 1.7\%$	$\pm 9.6\%$
		Y	2.41	69.10	16.34		150.0		
		Z	2.20	68.31	16.00		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	2.27	68.74	19.38	3.01	150.0	$\pm 1.8\%$	$\pm 9.6\%$
		Y	3.55	73.70	20.45		150.0		
		Z	3.37	73.52	20.41		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	3.73	68.91	17.17	0.00	150.0	$\pm 1.8\%$	$\pm 9.6\%$
		Y	3.64	67.67	16.10		150.0		
		Z	3.55	67.29	15.90		150.0		
10414-AAA	WLAN CCDF, 64 QAM, 40MHz	X	4.85	68.45	16.31	0.00	150.0	$\pm 2.1\%$	$\pm 9.6\%$
		Y	4.83	65.35	15.42		150.0		
		Z	4.90	65.78	15.61		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 E²-field uncertainty inside TSL (see Page 5).

^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.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3931**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	33.3	249.23	36.01	10.04	0.00	5.10	0.00	0.19	1.01
Y	51.6	383.36	35.03	20.83	0.55	5.10	1.41	0.27	1.01
Z	45.4	332.99	34.54	19.89	0.08	5.10	1.99	0.09	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-43.4
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:3931

Calibration Parameter Determined in Head Tissue Simulating Media

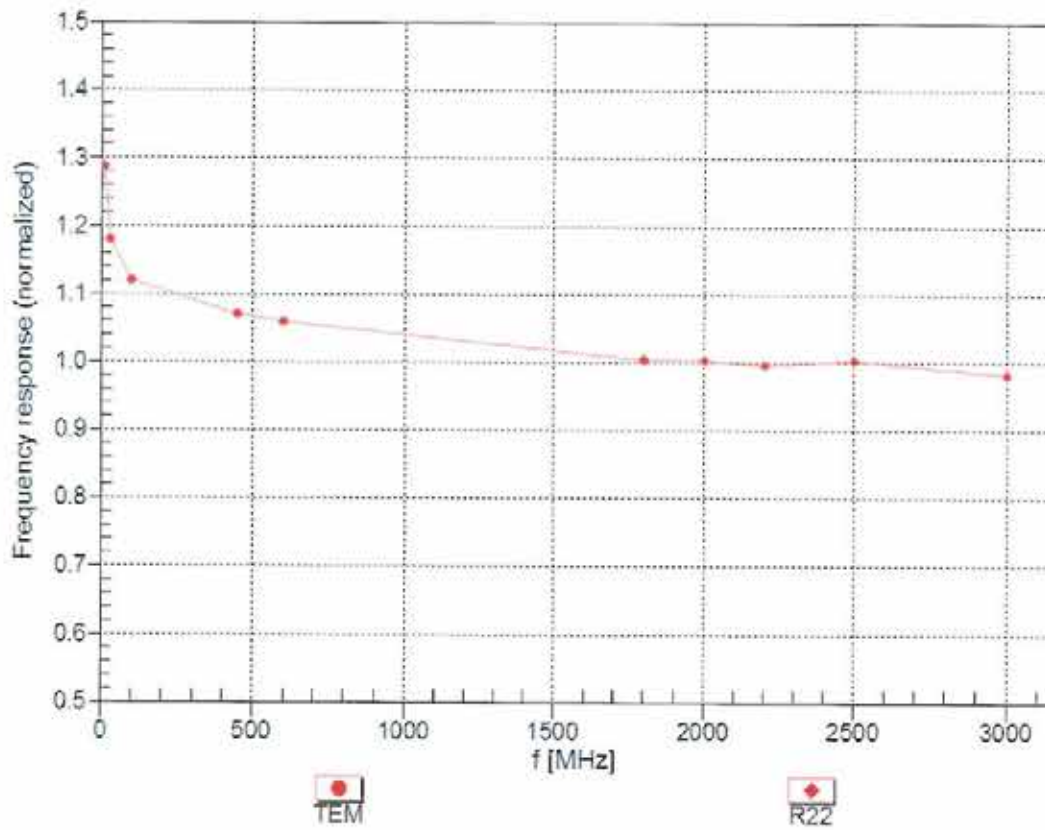
f (MHz) ^C	Relative Permittivity ^D	Conductivity (S/m) ^E	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth (mm)	Unc (k=2)
6	55.0	0.75	20.84	20.84	20.84	0.00	1.00	± 13.3 %
13	55.0	0.75	18.36	18.36	18.36	0.00	1.00	± 13.3 %
750	41.9	0.89	10.36	10.36	10.36	0.30	0.96	± 12.0 %
835	41.5	0.90	9.80	9.80	9.80	0.36	1.01	± 12.0 %
900	41.5	0.97	9.56	9.56	9.56	0.45	0.88	± 12.0 %
1450	40.5	1.20	8.87	8.87	8.87	0.39	0.80	± 12.0 %
1750	40.1	1.37	8.60	8.60	8.60	0.38	0.86	± 12.0 %
1900	40.0	1.40	8.25	8.25	8.25	0.34	0.86	± 12.0 %
2000	40.0	1.40	8.11	8.11	8.11	0.34	0.86	± 12.0 %
2300	39.5	1.67	7.77	7.77	7.77	0.33	0.90	± 12.0 %
2450	39.2	1.80	7.52	7.52	7.52	0.40	0.90	± 12.0 %
2600	39.0	1.98	7.30	7.30	7.30	0.40	0.90	± 12.0 %
3300	38.2	2.71	7.28	7.28	7.28	0.30	1.35	± 14.0 %
3500	37.9	2.91	7.14	7.14	7.14	0.30	1.35	± 14.0 %
3700	37.7	3.12	7.03	7.03	7.03	0.30	1.35	± 14.0 %
3900	37.5	3.32	6.55	6.55	6.55	0.35	1.60	± 14.0 %
4100	37.2	3.53	6.39	6.39	6.39	0.40	1.60	± 14.0 %
4400	36.9	3.84	6.10	6.10	6.10	0.40	1.80	± 14.0 %
4600	36.7	4.04	6.05	6.05	6.05	0.40	1.70	± 14.0 %
4800	36.4	4.25	5.93	5.93	5.93	0.40	1.70	± 14.0 %
4950	36.3	4.40	5.70	5.70	5.70	0.40	1.80	± 14.0 %
5250	35.9	4.71	5.10	5.10	5.10	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.39	4.39	4.39	0.40	1.80	± 14.0 %
5750	35.4	5.22	4.73	4.73	4.73	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.

^D 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.

^E 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.

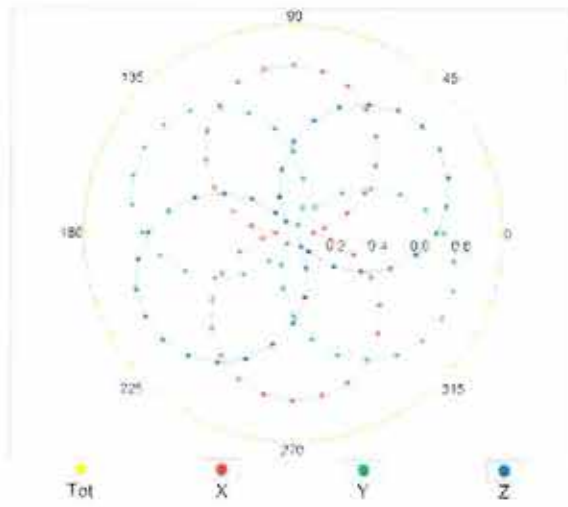
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



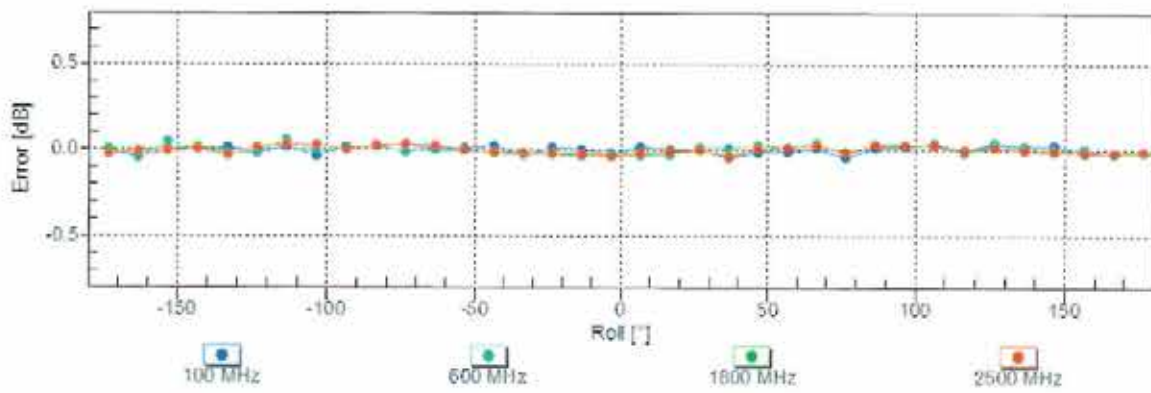
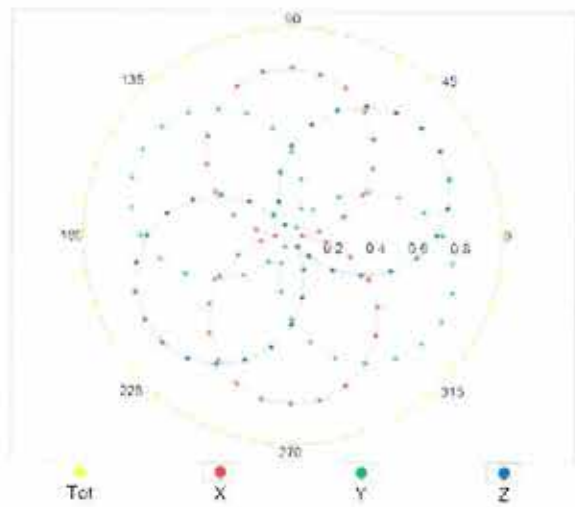
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

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

f=600 MHz,TEM

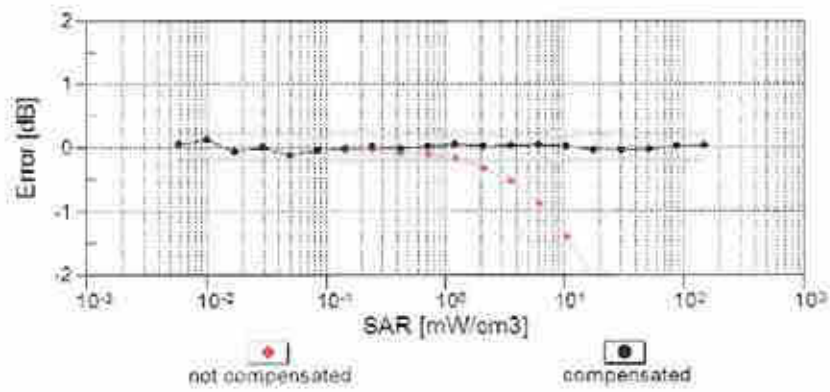
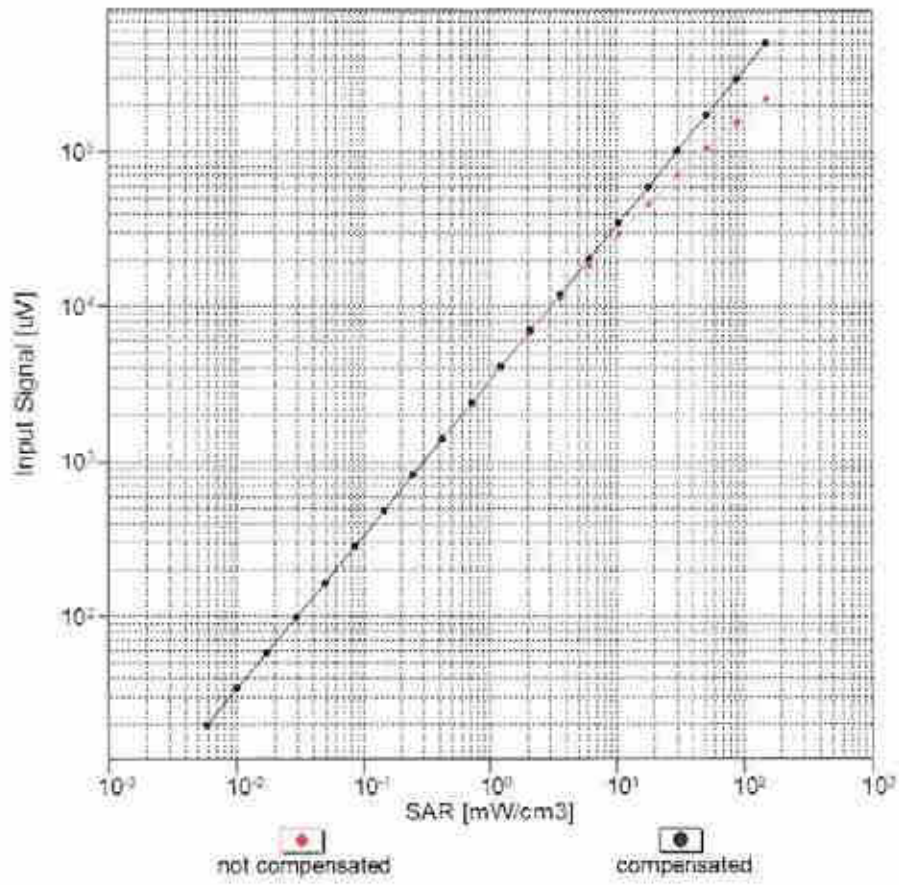


f=1800 MHz,R22



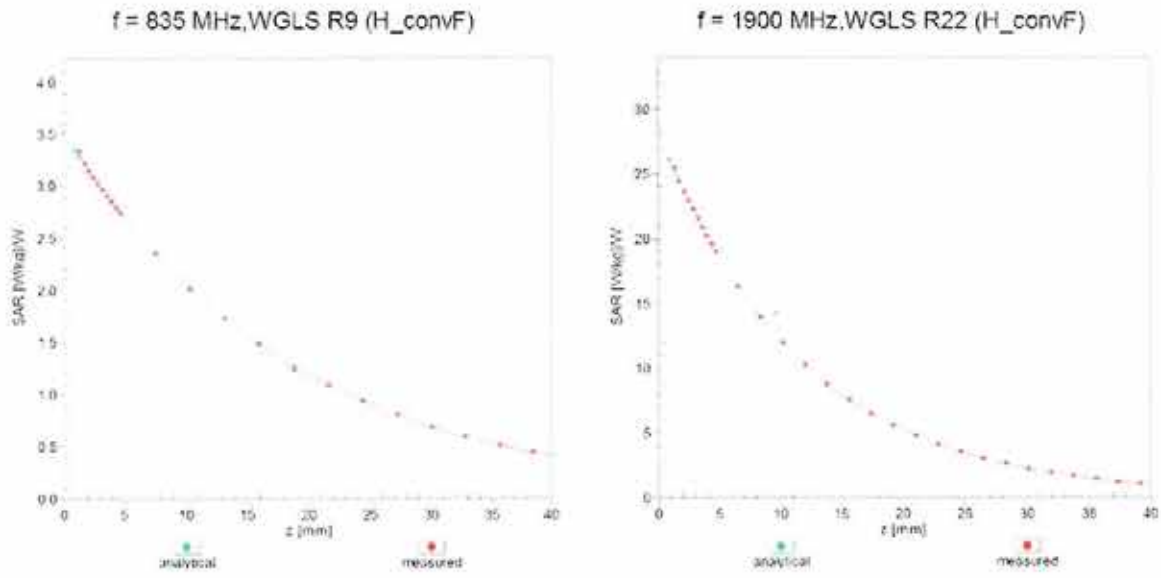
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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

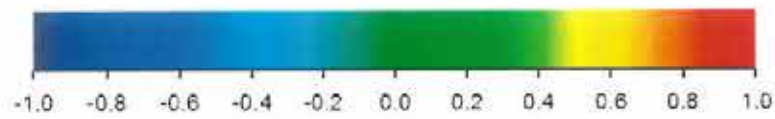
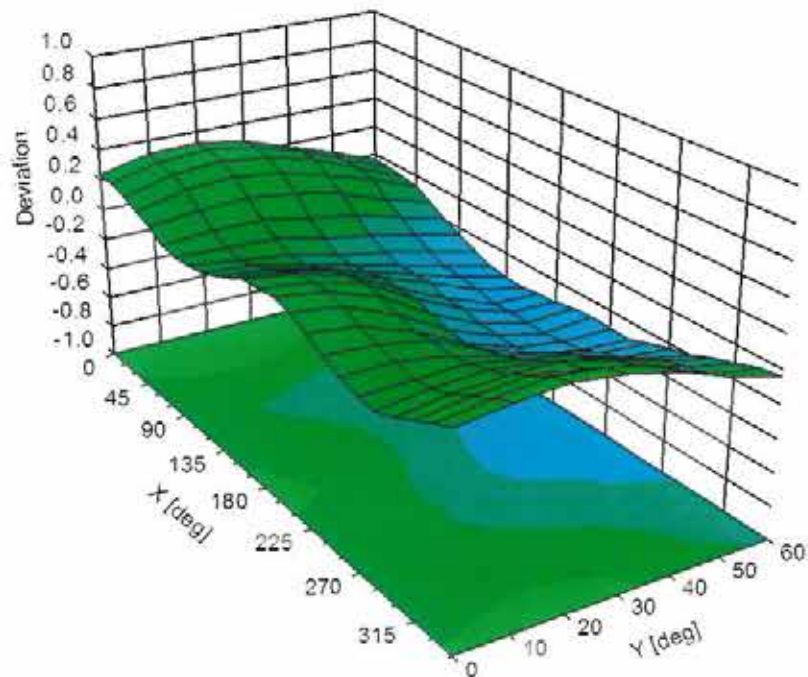


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



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



Uncertainty of Spherical Isotropy Assessment: $\pm 2.6\%$ (k=2)

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ² (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	6.66	± 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	6.30	± 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 (PI4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-PSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-PSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-PSK, 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, PI4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-97/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/n WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/n 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	9.03	± 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, PI4-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	8.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAF	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	6.02	± 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, 125 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	CAF	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	6.50	± 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	5.77	± 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	CAF	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	AAE	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	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.61	± 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	AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 5.5 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, 45 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 5.5 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, 45 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, 7.2 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, 30 Mbps, 16-QAM)	WLAN	8.40	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.06	± 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	9.88	± 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	9.91	± 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	CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAS	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	10.08	± 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 Rel.8.10)	WCDMA	4.07	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel.8.4)	WCDMA	3.96	± 9.6 %
10277	GAA	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 %
10280	AAP	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 2x 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, 86pc 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 cc)	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, 88pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 88pc dc)	WLAN	8.63	± 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 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 5 Mbps, 89pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 89pc, 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	8.80	± 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 %
10455	AAC	IEEE 802.11ac WiFi (100MHz, 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	AAF	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, UL 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	AAF	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	8.88	± 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	8.61	± 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/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/n 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	8.48	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.35	± 9.6 %

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 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, MCS9, 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	8.68	± 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 %
10568	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	8.58	± 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/n WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.58	± 9.6 %
10584	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/n 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	8.84	± 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	AAF	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	8.99	± 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, 99pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.90	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc 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	8.53	± 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, 99pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.81	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.66	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc 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	8.28	± 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, 99pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc 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	8.26	± 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, 99pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc 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	AAD	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	AAD	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	AAD	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	AAD	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	7.97	± 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	7.69	± 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 %
10826	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	6.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	6.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	6.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	6.41	± 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	6.41	± 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	5.93	± 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	5.94	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.97	± 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, 35 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	5.85	± 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 %

¹ 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 level/Default Power level/ Pmax Power Level for WWAN

GSM850 Ant0 Ant 0 Default								
CSM859	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
Frequency (MHz)	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
GSM 1 Tx slot	33.21	33.38	33.45	34.50	24.16	24.25	24.40	25.50
GPRS 1 Tx slot	33.16	33.25	33.40	34.50	24.16	24.25	24.40	25.50
GPRS 2 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50
GPRS 3 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	25.44
GPRS 4 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant0 Ant 0 Default					
Band	WCDMA V			Tune-up Limit (dBm)	
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50



GSM1900 Ant1 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	29.74	29.80	31.00	20.85	20.74	20.80	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant1 Default

WCDMA IV Ant1 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.30	24.12	25.10	24.31	24.35	24.28	25.10
3GPP Rel 99 RMC 12.2Kbps	24.34	24.39	24.27	25.10	24.42	24.44	24.37	25.10
3GPP Rel 6 HSDPA Subtest-1	23.52	23.62	23.72	24.30	23.62	23.58	23.54	24.10
3GPP Rel 6 HSDPA Subtest-2	23.44	23.63	23.52	24.30	23.50	23.59	23.42	24.10
3GPP Rel 6 HSDPA Subtest-3	22.95	22.96	22.93	23.60	23.22	23.21	23.00	23.60
3GPP Rel 6 HSDPA Subtest-4	22.91	22.96	22.95	23.60	23.02	23.23	22.93	23.60
3GPP Rel 8 DC-HSDPA Subtest-1	23.45	23.78	23.68	24.30	23.38	23.67	23.44	24.10
3GPP Rel 8 DC-HSDPA Subtest-2	23.55	23.81	23.68	24.30	23.52	23.53	23.65	24.10
3GPP Rel 8 DC-HSDPA Subtest-3	22.94	23.05	23.04	23.60	22.88	22.98	22.95	23.60
3GPP Rel 8 DC-HSDPA Subtest-4	23.07	23.14	22.91	23.60	22.86	23.08	22.89	23.60
3GPP Rel 6 HSUPA Subtest-1	23.68	23.66	23.51	24.30	23.69	23.67	23.60	24.10
3GPP Rel 6 HSUPA Subtest-2	20.43	20.50	20.38	21.10	21.50	21.61	21.45	22.10
3GPP Rel 6 HSUPA Subtest-3	21.53	21.47	21.38	22.10	22.51	22.67	22.47	23.10
3GPP Rel 6 HSUPA Subtest-4	20.51	20.56	20.35	21.10	21.60	21.75	21.57	22.10
3GPP Rel 6 HSUPA Subtest-5	23.67	23.91	23.78	24.30	23.31	23.57	23.49	24.10

GSM850 Ant2 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	32.12	33.04	33.09	34.20	33.12	33.04	33.08	34.18
GSM 1 Tx slot	32.58	33.19	33.09	34.20	23.98	24.19	24.09	25.20
GPRS 1 Tx slot	32.71	32.96	32.97	34.20	23.71	23.96	23.97	25.20
GPRS 2 Tx slots	29.97	30.07	29.83	31.20	23.97	24.07	23.83	25.20
GPRS 3 Tx slots	28.24	28.28	28.09	29.40	23.98	24.02	23.83	25.14
GPRS 4 Tx slots	27.15	27.20	26.99	28.20	24.15	24.20	23.99	25.20
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant2 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)	
	4182	4182	4233		
Rx Channel	4357	4407	4453		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.14	24.21	24.13	25.20
3GPP Rel 99	RMC 12.2Kbps	24.23	24.34	24.27	25.20
3GPP Rel 6	HSDPA Subtest-1	21.22	21.27	21.36	22.20
3GPP Rel 6	HSDPA Subtest-2	21.25	21.36	21.37	22.20
3GPP Rel 6	HSDPA Subtest-3	22.78	22.95	23.02	23.70
3GPP Rel 6	HSDPA Subtest-4	22.79	22.85	23.11	23.70
3GPP Rel 8	DC-HSDPA Subtest-1	21.33	21.36	21.50	22.20
3GPP Rel 8	DC-HSDPA Subtest-2	21.35	21.43	21.57	22.20
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.86	22.89	23.70
3GPP Rel 8	DC-HSDPA Subtest-4	22.70	22.77	23.10	23.70
3GPP Rel 6	HSUPA Subtest-1	21.27	21.47	21.46	22.20
3GPP Rel 6	HSUPA Subtest-2	19.36	19.50	19.54	20.20
3GPP Rel 6	HSUPA Subtest-3	20.19	20.49	20.48	21.20
3GPP Rel 6	HSUPA Subtest-4	19.27	19.45	19.46	20.20
3GPP Rel 6	HSUPA Subtest-5	21.19	21.40	21.62	22.20



Band 7 ENDC Ant5 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.11	23.13	23.06	24.7	0		
20	QPSK	1	49	22.83	22.98	22.87				
20	QPSK	1	99	22.98	23.07	22.96				
20	QPSK	50	0	22.58	22.64	22.50	23.7	1		
20	QPSK	50	24	22.53	22.58	22.44				
20	QPSK	50	50	22.45	22.57	22.51				
20	QPSK	100	0	22.56	22.61	22.49	23.7	1		
20	16QAM	1	0	22.56	22.66	22.59				
20	16QAM	1	49	22.45	22.58	22.43				
20	16QAM	1	99	22.50	22.64	22.60	22.7	2		
20	16QAM	50	0	21.55	21.66	21.56				
20	16QAM	50	24	21.54	21.63	21.55				
20	16QAM	50	50	21.60	21.74	21.66	22.7	2		
20	16QAM	100	0	21.45	21.59	21.54				
20	64QAM	1	0	21.64	21.74	21.65				
20	64QAM	1	49	21.52	21.66	21.58	22.7	2		
20	64QAM	1	99	21.67	21.78	21.74				
20	64QAM	50	0	20.64	20.68	20.62				
20	64QAM	50	24	20.60	20.66	20.60	21.7	3		
20	64QAM	50	50	20.59	20.73	20.66				
20	64QAM	100	0	20.56	20.60	20.48				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.02	23.08	22.99	24.7	0		
15	QPSK	1	37	22.78	22.93	22.73				
15	QPSK	1	74	22.91	22.96	22.83				
15	QPSK	36	0	22.47	22.56	22.36	23.7	1		
15	QPSK	36	20	22.43	22.52	22.39				
15	QPSK	36	39	22.42	22.48	22.43				
15	QPSK	75	0	22.46	22.46	22.37	23.7	1		
15	16QAM	1	0	22.53	22.53	22.51				
15	16QAM	1	37	22.32	22.47	22.38				
15	16QAM	1	74	22.37	22.51	22.51	22.7	2		
15	16QAM	36	0	21.42	21.61	21.53				
15	16QAM	36	20	21.40	21.50	21.47				
15	16QAM	36	39	21.56	21.59	21.62	22.7	2		
15	16QAM	75	0	21.33	21.49	21.47				
15	64QAM	1	0	21.54	21.60	21.55				
15	64QAM	1	37	21.43	21.57	21.52	22.7	2		
15	64QAM	1	74	21.56	21.67	21.69				
15	64QAM	36	0	20.51	20.64	20.59				
15	64QAM	36	20	20.49	20.55	20.49	21.7	3		
15	64QAM	36	39	20.55	20.65	20.52				
15	64QAM	75	0	20.50	20.50	20.36				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.05	23.06	23.01	24.7	0		
10	QPSK	1	25	22.71	22.85	22.74				
10	QPSK	1	49	22.93	23.03	22.81				
10	QPSK	25	0	22.54	22.50	22.44	23.7	1		
10	QPSK	25	12	22.44	22.49	22.33				
10	QPSK	25	25	22.36	22.42	22.43				
10	QPSK	50	0	22.41	22.51	22.45	23.7	1		
10	16QAM	1	0	22.45	22.53	22.54				
10	16QAM	1	25	22.39	22.48	22.39				
10	16QAM	1	49	22.45	22.52	22.53	22.7	2		
10	16QAM	25	0	21.48	21.60	21.49				
10	16QAM	25	12	21.44	21.53	21.50				
10	16QAM	25	25	21.50	21.70	21.52	22.7	2		
10	16QAM	50	0	21.31	21.49	21.47				
10	64QAM	1	0	21.54	21.69	21.59				
10	64QAM	1	25	21.47	21.57	21.52	22.7	2		
10	64QAM	1	49	21.54	21.68	21.65				
10	64QAM	25	0	20.52	20.58	20.53				
10	64QAM	25	12	20.48	20.52	20.46	21.7	3		
10	64QAM	25	25	20.54	20.63	20.52				
10	64QAM	50	0	20.48	20.45	20.39				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.04	23.02	23.03	24.7	0		
5	QPSK	1	12	22.89	22.94	22.72				
5	QPSK	1	24	22.90	23.00	22.84				
5	QPSK	12	0	22.46	22.52	22.43	23.7	1		
5	QPSK	12	7	22.44	22.54	22.38				
5	QPSK	12	13	22.42	22.53	22.45				
5	QPSK	25	0	22.45	22.51	22.35	23.7	1		
5	16QAM	1	0	22.51	22.54	22.52				
5	16QAM	1	12	22.32	22.54	22.38				
5	16QAM	1	24	22.42	22.52	22.56	22.7	2		
5	16QAM	12	0	21.49	21.51	21.41				
5	16QAM	12	7	21.47	21.57	21.47				
5	16QAM	12	13	21.51	21.69	21.54	22.7	2		
5	16QAM	25	0	21.35	21.53	21.41				
5	64QAM	1	0	21.57	21.61	21.54				
5	64QAM	1	12	21.39	21.54	21.45	22.7	2		
5	64QAM	1	24	21.57	21.70	21.63				
5	64QAM	12	0	20.60	20.57	20.59				
5	64QAM	12	7	20.45	20.53	20.48	21.7	3		
5	64QAM	12	13	20.56	20.70	20.56				
5	64QAM	25	0	20.47	20.57	20.37				



GSM1900 Ant6 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.70	28.76	28.72	30.30	19.70	19.76	19.72	21.30
GPRS 1 Tx slot	28.42	28.60	28.43	30.30	19.42	19.60	19.43	21.30
GPRS 2 Tx slots	25.54	25.63	25.38	27.30	19.54	19.63	19.38	21.30
GPRS 3 Tx slots	23.70	23.69	23.51	25.50	19.44	19.43	19.25	21.24
GPRS 4 Tx slots	22.54	22.57	22.45	24.30	19.54	19.57	19.45	21.30
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slot	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant6 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	23.18	23.34	23.32	24.40	23.38	23.41	23.33	24.40
3GPP Rel 99 RMC 12.2Kbps	23.35	23.52	23.40	24.40	23.42	23.54	23.46	24.40
3GPP Rel 6 HSDPA Subtest-1	22.66	22.60	22.33	23.60	22.57	22.50	22.33	23.40
3GPP Rel 6 HSDPA Subtest-2	22.61	22.65	22.37	23.60	22.37	22.53	22.61	23.40
3GPP Rel 6 HSDPA Subtest-3	21.87	21.89	21.53	22.90	22.09	22.05	21.90	22.90
3GPP Rel 6 HSDPA Subtest-4	21.78	21.91	22.05	22.90	22.28	22.31	22.20	22.90
3GPP Rel 8 DC-HSDPA Subtest-1	22.70	22.76	22.71	23.60	22.41	22.53	22.57	23.40
3GPP Rel 8 DC-HSDPA Subtest-2	22.27	22.38	22.36	23.60	22.48	22.52	22.40	23.40
3GPP Rel 8 DC-HSDPA Subtest-3	21.78	21.86	21.51	22.90	21.92	22.06	22.18	22.90
3GPP Rel 8 DC-HSDPA Subtest-4	21.78	21.73	21.51	22.90	22.03	22.04	21.87	22.90
3GPP Rel 6 HSUPA Subtest-1	22.42	22.61	22.40	23.60	22.47	22.61	22.74	23.40
3GPP Rel 6 HSUPA Subtest-2	19.22	19.32	19.35	20.40	20.63	20.62	20.65	21.40
3GPP Rel 6 HSUPA Subtest-3	20.16	20.41	20.32	21.40	21.43	21.63	21.32	22.40
3GPP Rel 6 HSUPA Subtest-4	19.46	19.22	19.27	20.40	20.39	20.47	20.35	21.40
3GPP Rel 6 HSUPA Subtest-5	22.27	22.63	22.58	23.60	22.36	22.89	22.66	23.40



Reduced Power Level for DSI 1

For Ant0

GSM850 Ant 0 DSI1

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.21	33.38	33.35	34.50	24.21	24.38	24.35	25.50
GPRS 1 Tx slot	33.16	33.25	33.40	34.50	24.16	24.25	24.40	25.50
GPRS 2 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50
GPRS 3 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	26.44
GPRS 4 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slot	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.61	20.59	20.71	22.00	17.51	17.69	17.71	19.00

WCDMA V Ant 0 DSI1

Band	TX Channel	WCDMA V			Tune-up Limit (dBm)
		4132	4182	4233	
	Rx Channel	4367	4407	4468	
	Frequency (MHz)	826.4	836.4	846.8	
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50



For Ant1

GSM1900 Ant 1 DSI1

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.73	29.74	29.70	31.00	20.73	20.74	20.70	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSI1

WCDMA IV Ant 1 DSI1

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.30	24.12	25.10	24.31	24.35	24.28	25.10
3GPP Rel 99 RMC 12.2Kbps	24.34	24.39	24.27	25.10	24.42	24.44	24.37	25.10
3GPP Rel 6 HSDPA Subtest-1	23.52	23.62	23.72	24.30	23.62	23.58	23.54	24.10
3GPP Rel 6 HSDPA Subtest-2	23.44	23.63	23.52	24.30	23.50	23.59	23.42	24.10
3GPP Rel 6 HSDPA Subtest-3	22.95	22.96	22.93	23.60	23.22	23.21	23.00	23.60
3GPP Rel 6 HSDPA Subtest-4	22.91	22.96	22.95	23.60	23.02	23.23	22.93	23.60
3GPP Rel 8 DC-HSDPA Subtest-1	23.45	23.78	23.68	24.30	23.38	23.67	23.44	24.10
3GPP Rel 8 DC-HSDPA Subtest-2	23.55	23.81	23.68	24.30	23.52	23.53	23.65	24.10
3GPP Rel 8 DC-HSDPA Subtest-3	22.94	23.05	23.04	23.60	22.88	22.98	22.95	23.60
3GPP Rel 8 DC-HSDPA Subtest-4	23.07	23.14	22.91	23.60	22.86	23.08	22.69	23.60
3GPP Rel 6 HSUPA Subtest-1	23.68	23.66	23.51	24.30	23.68	23.67	23.60	24.10
3GPP Rel 6 HSUPA Subtest-2	20.43	20.50	20.38	21.10	21.50	21.61	21.45	22.10
3GPP Rel 6 HSUPA Subtest-3	21.53	21.47	21.38	22.10	22.51	22.67	22.47	23.10
3GPP Rel 6 HSUPA Subtest-4	20.51	20.56	20.35	21.10	21.60	21.75	21.57	22.10
3GPP Rel 6 HSUPA Subtest-5	23.67	23.81	23.78	24.30	23.31	23.57	23.49	24.10



Band 2 Ant 1 DSI1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes multiple sub-tables for different frequency channels and modulation schemes.

Band 4 Ant 1 DSI1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes multiple sub-tables for different frequency channels and modulation schemes.

Band 7 Ant 1 DSI1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes multiple sub-tables for different frequency channels and modulation schemes.

For Ant2

GSM850 Ant 2 DSII

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	123	189		251	123	189	
Frequency (MHz)	824.2	836.4	848.8	31.70	21.52	21.61	21.58	22.70
GSM 1 Tx slot	30.52	30.61	30.58	31.70	21.66	21.63	21.79	22.70
GPRS 2 Tx slots	27.51	27.44	27.67	28.70	21.51	21.44	21.67	22.70
GPRS 3 Tx slots	25.76	25.72	26.01	26.90	21.50	21.46	21.75	22.64
GPRS 4 Tx slots	24.86	25.07	24.78	25.70	21.86	22.07	21.78	22.70
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSII

Band	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	4132	4182		4233
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.67	22.80	22.60	23.70
3GPP Rel 99	RMC 12.2Kbps	22.81	22.88	22.71	23.70
3GPP Rel 6	HSDPA Subtest-1	19.80	19.63	19.64	20.70
3GPP Rel 6	HSDPA Subtest-2	19.80	19.86	19.51	20.70
3GPP Rel 6	HSDPA Subtest-3	21.16	21.49	21.03	22.20
3GPP Rel 6	HSDPA Subtest-4	21.29	21.15	21.17	22.20
3GPP Rel 8	DC-HSDPA Subtest-1	19.69	19.67	19.59	20.70
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	20.20	20.14	20.70
3GPP Rel 8	DC-HSDPA Subtest-3	21.27	21.40	21.15	22.20
3GPP Rel 8	DC-HSDPA Subtest-4	21.23	21.18	21.37	22.20
3GPP Rel 6	HSUPA Subtest-1	19.67	19.85	19.70	20.70
3GPP Rel 6	HSUPA Subtest-2	17.80	17.90	17.50	18.70
3GPP Rel 6	HSUPA Subtest-3	18.74	18.97	18.77	19.70
3GPP Rel 6	HSUPA Subtest-4	17.69	17.93	17.63	18.70
3GPP Rel 6	HSUPA Subtest-5	19.78	19.83	19.78	20.70



For Ant5

Band 7 ENDC Ant 5 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21100	21350	18.1	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.42	16.55	16.38	18.1	0
20	QPSK	1	49	16.44	16.52	16.47		
20	QPSK	1	99	16.37	16.40	16.26		
20	QPSK	50	0	16.38	16.51	16.38	18.1	0
20	QPSK	50	24	16.44	16.48	16.38		
20	QPSK	50	50	16.37	16.43	16.31		
20	QPSK	100	0	16.43	16.49	16.44	18.1	0
20	16QAM	1	0	16.34	16.46	16.40		
20	16QAM	1	49	16.32	16.44	16.30		
20	16QAM	1	99	16.36	16.49	16.38	18.1	0
20	16QAM	50	0	16.27	16.41	16.38		
20	16QAM	50	24	16.36	16.42	16.31		
20	16QAM	50	50	16.39	16.43	16.33	18.1	0
20	16QAM	100	0	16.34	16.41	16.32		
20	64QAM	1	0	16.38	16.44	16.40		
20	64QAM	1	49	16.40	16.44	16.37	18.1	0
20	64QAM	1	99	16.32	16.43	16.32		
20	64QAM	50	0	16.29	16.40	16.37		
20	64QAM	50	24	16.34	16.40	16.34	18.1	0
20	64QAM	50	50	16.30	16.42	16.34		
20	64QAM	100	0	16.36	16.49	16.42		
Channel				20825	21100	21375	18.1	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.38	16.46	16.23	18.1	0
15	QPSK	1	37	16.31	16.43	16.35		
15	QPSK	1	74	16.25	16.32	16.21		
15	QPSK	36	0	16.30	16.45	16.33	18.1	0
15	QPSK	36	20	16.34	16.39	16.30		
15	QPSK	36	39	16.34	16.38	16.19		
15	QPSK	75	0	16.40	16.38	16.40	18.1	0
15	16QAM	1	0	16.21	16.31	16.26		
15	16QAM	1	37	16.22	16.32	16.19		
15	16QAM	1	74	16.27	16.35	16.27	18.1	0
15	16QAM	36	0	16.23	16.37	16.24		
15	16QAM	36	20	16.23	16.34	16.21		
15	16QAM	36	39	16.29	16.29	16.20	18.1	0
15	16QAM	75	0	16.20	16.33	16.26		
15	64QAM	1	0	16.24	16.36	16.30		
15	64QAM	1	37	16.35	16.34	16.23	18.1	0
15	64QAM	1	74	16.24	16.32	16.29		
15	64QAM	36	0	16.17	16.33	16.32		
15	64QAM	36	20	16.25	16.37	16.21	18.1	0
15	64QAM	36	39	16.23	16.33	16.28		
15	64QAM	75	0	16.23	16.43	16.34		
Channel				20900	21100	21400	18.1	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.29	16.50	16.24	18.1	0
10	QPSK	1	25	16.38	16.45	16.40		
10	QPSK	1	49	16.28	16.32	16.22		
10	QPSK	25	0	16.26	16.46	16.34	18.1	0
10	QPSK	25	12	16.35	16.35	16.30		
10	QPSK	25	25	16.25	16.32	16.17		
10	QPSK	50	0	16.32	16.39	16.41	18.1	0
10	16QAM	1	0	16.22	16.38	16.36		
10	16QAM	1	25	16.28	16.38	16.26		
10	16QAM	1	49	16.32	16.41	16.23	18.1	0
10	16QAM	25	0	16.20	16.29	16.28		
10	16QAM	25	12	16.24	16.35	16.18		
10	16QAM	25	25	16.27	16.35	16.18	18.1	0
10	16QAM	50	0	16.20	16.38	16.27		
10	64QAM	1	0	16.29	16.35	16.27		
10	64QAM	1	25	16.28	16.37	16.24	18.1	0
10	64QAM	1	49	16.21	16.30	16.25		
10	64QAM	25	0	16.23	16.34	16.23		
10	64QAM	25	12	16.23	16.36	16.19	18.1	0
10	64QAM	25	25	16.21	16.34	16.30		
10	64QAM	50	0	16.32	16.41	16.37		
Channel				20775	21100	21425	18.1	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.29	16.42	16.25	18.1	0
5	QPSK	1	12	16.38	16.46	16.33		
5	QPSK	1	24	16.27	16.30	16.22		
5	QPSK	12	0	16.25	16.40	16.32	18.1	0
5	QPSK	12	7	16.34	16.40	16.32		
5	QPSK	12	13	16.29	16.40	16.19		
5	QPSK	25	0	16.32	16.46	16.31	18.1	0
5	16QAM	1	0	16.30	16.33	16.33		
5	16QAM	1	12	16.27	16.33	16.25		
5	16QAM	1	24	16.30	16.41	16.32	18.1	0
5	16QAM	12	0	16.18	16.35	16.34		
5	16QAM	12	7	16.32	16.29	16.16		
5	16QAM	12	13	16.29	16.34	16.27	18.1	0
5	16QAM	25	0	16.19	16.38	16.28		
5	64QAM	1	0	16.25	16.31	16.28		
5	64QAM	1	12	16.31	16.32	16.26	18.1	0
5	64QAM	1	24	16.25	16.31	16.18		
5	64QAM	12	0	16.18	16.32	16.23		
5	64QAM	12	7	16.26	16.34	16.27	18.1	0
5	64QAM	12	13	16.18	16.30	16.25		
5	64QAM	25	0	16.26	16.37	16.28		



For Ant6

GSM1900 Ant 6 DSI1

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.69	25.78	25.78	27.30	16.89	16.78	16.78	18.30
GPRS 1 Tx slot	25.79	25.68	25.89	27.30	16.79	16.68	16.89	18.30
GPRS 2 Tx slots	22.69	22.83	22.77	24.30	16.69	16.83	16.77	18.30
GPRS 3 Tx slots	21.06	20.80	21.07	22.50	16.80	16.54	16.81	18.24
GPRS 4 Tx slots	19.74	19.68	19.78	21.30	16.74	16.68	16.78	18.30
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slots	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant 6 DSI1

WCDMA IV Ant 6 DSI1

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938		1537	1638	1738	
	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	18.68	16.02	15.83	17.20	19.54	19.66	19.60	20.70
3GPP Rel 99 RMC 12.2Kbps	16.06	16.14	16.03	17.20	19.69	19.78	19.67	20.70
3GPP Rel 6 HSDPA Subtest-1	15.27	15.36	15.08	16.40	18.56	18.69	18.39	19.70
3GPP Rel 6 HSDPA Subtest-2	15.09	15.26	15.05	16.40	18.51	18.63	18.64	19.70
3GPP Rel 6 HSDPA Subtest-3	14.59	14.64	14.33	15.70	18.06	18.19	17.97	19.20
3GPP Rel 6 HSDPA Subtest-4	14.27	14.54	14.57	15.70	18.21	18.41	18.35	19.20
3GPP Rel 8 DC-HSDPA Subtest-1	15.24	15.36	15.26	16.40	18.38	18.64	18.58	19.70
3GPP Rel 8 DC-HSDPA Subtest-2	15.03	14.97	14.94	16.40	18.67	18.70	18.52	19.70
3GPP Rel 8 DC-HSDPA Subtest-3	14.35	14.60	14.25	15.70	18.10	18.16	18.27	19.20
3GPP Rel 8 DC-HSDPA Subtest-4	14.40	14.32	14.19	15.70	18.18	17.98	17.87	19.20
3GPP Rel 6 HSUPA Subtest-1	15.11	15.33	15.14	16.40	18.61	18.70	18.68	19.70
3GPP Rel 6 HSUPA Subtest-2	11.98	11.98	11.87	13.20	16.71	16.74	16.62	17.70
3GPP Rel 6 HSUPA Subtest-3	12.86	13.13	13.06	14.20	17.63	17.70	17.47	18.70
3GPP Rel 6 HSUPA Subtest-4	12.04	12.03	12.02	13.20	16.55	16.57	16.46	17.70
3GPP Rel 6 HSUPA Subtest-5	15.08	15.27	15.11	16.40	18.47	18.64	18.85	19.70

Reduced Power Level for DSI 3

For Ant0

		GSM850 Ant 0 DSI3								
GSM850	TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		128	189	251		128	189	251		
	Frequency (MHz)	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50	
	GSM 1 Tx slot	33.21	33.38	33.45	34.50	24.16	24.25	24.40	25.50	
	GPRS 1 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50	
	GPRS 2 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	25.44	
	GPRS 3 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50	
	GPRS 4 Tx slots	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00	
	EDGE 1 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00	
	EDGE 2 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94	
	EDGE 3 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00	
	EDGE 4 Tx slots									

		WCDMA V Ant 0 DSI3								
Band	TX Channel	WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)	
		4132	4182	4233		4357	4407	4468		
	Rx Channel	4357	4407	4468						
	Frequency (MHz)	826.4	836.4	846.6						
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50					
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50					
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50					
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50					
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00					
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00					
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50					
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50					
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00					
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00					
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50					
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50					
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50					
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50					
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50					



For Ant1

GSM1900 Ant 1 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	29.74	29.80	31.00	20.85	20.74	20.80	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSIS

WCDMA IV Ant 1 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1822.4	1880	1937.6		1712.4	1722.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.21	23.29	23.25	24.10	23.15	23.17	23.08	24.00
3GPP Rel 99	RMC 12.2Kbps	23.32	23.40	23.33	24.10	23.26	23.31	23.25	24.00
3GPP Rel 6	HSDPA Subtest-1	22.50	22.68	22.72	23.30	22.58	22.50	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	22.49	22.60	22.56	23.30	22.36	22.52	22.34	23.00
3GPP Rel 6	HSDPA Subtest-3	21.91	22.02	21.90	22.60	22.09	22.08	21.91	22.50
3GPP Rel 6	HSDPA Subtest-4	21.94	21.99	21.97	22.60	21.93	22.15	21.80	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.46	22.74	22.67	23.30	22.35	22.52	22.38	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.59	22.77	22.71	23.30	22.47	22.38	22.52	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.95	22.12	22.03	22.60	21.74	21.93	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.12	22.10	21.95	22.60	21.81	22.00	21.56	22.50
3GPP Rel 6	HSUPA Subtest-1	22.71	22.73	22.53	23.30	22.60	22.54	22.49	23.00
3GPP Rel 6	HSUPA Subtest-2	19.47	19.53	19.36	20.10	20.40	20.52	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	20.49	20.49	20.39	21.10	21.41	21.56	21.34	22.00
3GPP Rel 6	HSUPA Subtest-4	19.46	19.52	19.31	20.10	20.55	20.67	20.54	21.00
3GPP Rel 6	HSUPA Subtest-5	22.63	22.81	22.77	23.30	22.21	22.82	22.42	23.00



For Ant2

GSM850 Ant 2 DSIS

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	30.72	30.81	30.88	31.70	21.72	21.81	21.88	22.70
GSM 1 Tx slot	30.66	30.53	30.79	31.70	21.66	21.53	21.79	22.70
GPRS 1 Tx slots	27.51	27.44	27.67	28.70	21.51	21.44	21.67	22.70
GPRS 2 Tx slots	25.76	25.72	26.01	26.90	21.50	21.46	21.75	22.64
GPRS 3 Tx slots	24.56	25.07	24.78	25.70	21.86	22.07	21.78	22.70
GPRS 4 Tx slots	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 1 Tx slot	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 2 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 3 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70
EDGE 4 Tx slots								

WCDMA V Ant 2 DSIS

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	826.4	836.4	846.6	
Frequency (MHz)	24.14	24.21	24.13	25.20
3GPP Rel 99 AMR 12.2Kops	24.23	24.34	24.27	25.20
3GPP Rel 99 RMC 12.2Kops	21.22	21.27	21.36	22.20
3GPP Rel 6 HSDPA Subtest-1	21.25	21.36	21.37	22.20
3GPP Rel 6 HSDPA Subtest-2	22.78	22.95	23.02	23.70
3GPP Rel 6 HSDPA Subtest-3	22.79	22.85	23.11	23.70
3GPP Rel 6 HSDPA Subtest-4	21.33	21.36	21.50	22.20
3GPP Rel 8 DC-HSDPA Subtest-1	21.35	21.43	21.57	22.20
3GPP Rel 8 DC-HSDPA Subtest-2	22.86	22.86	22.89	23.70
3GPP Rel 8 DC-HSDPA Subtest-3	22.70	22.77	23.10	23.70
3GPP Rel 8 DC-HSDPA Subtest-4	21.27	21.47	21.46	22.20
3GPP Rel 6 HSUPA Subtest-1	19.36	19.50	19.54	20.20
3GPP Rel 6 HSUPA Subtest-2	20.18	20.49	20.48	21.20
3GPP Rel 6 HSUPA Subtest-3	19.27	19.45	19.46	20.20
3GPP Rel 6 HSUPA Subtest-4	21.19	21.40	21.62	22.20
3GPP Rel 6 HSUPA Subtest-5				



For Ant5

Band 7 ENDC Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				20650	21100	21350			
Frequency (MHz)				2510	2535	2590			
20	QPSK	1	0	19.43	19.60	19.48	21.2	0	
20	QPSK	1	49	19.51	19.54	19.43			
20	QPSK	1	99	19.38	19.47	19.34			
20	QPSK	50	0	19.44	19.57	19.45	21.2	0	
20	QPSK	50	24	19.44	19.54	19.47			
20	QPSK	50	50	19.42	19.51	19.44			
20	QPSK	100	0	19.45	19.55	19.46	21.2	0	
20	16QAM	1	0	19.42	19.51	19.43			
20	16QAM	1	49	19.49	19.58	19.45			
20	16QAM	1	99	19.40	19.54	19.45	21.2	0	
20	16QAM	50	0	19.47	19.51	19.39			
20	16QAM	50	24	19.45	19.49	19.36			
20	16QAM	50	50	19.41	19.54	19.40	21.2	0	
20	16QAM	100	0	19.43	19.52	19.38			
20	64QAM	1	0	19.51	19.58	19.45			
20	64QAM	1	49	19.52	19.55	19.49	21.2	0	
20	64QAM	1	99	19.44	19.54	19.49			
20	64QAM	50	0	19.44	19.57	19.45			
20	64QAM	50	24	19.43	19.49	19.41	21.2	0	
20	64QAM	50	50	19.43	19.51	19.37			
20	64QAM	100	0	19.49	19.55	19.43			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.29	19.47	19.44	21.2	0	
15	QPSK	1	37	19.40	19.40	19.38			
15	QPSK	1	74	19.31	19.44	19.27			
15	QPSK	36	0	19.35	19.46	19.38	21.2	0	
15	QPSK	36	20	19.38	19.50	19.36			
15	QPSK	36	39	19.34	19.40	19.29			
15	QPSK	75	0	19.34	19.52	19.39	21.2	0	
15	16QAM	1	0	19.33	19.41	19.37			
15	16QAM	1	37	19.37	19.48	19.38			
15	16QAM	1	74	19.35	19.50	19.33	21.2	0	
15	16QAM	36	0	19.36	19.41	19.35			
15	16QAM	36	20	19.36	19.42	19.24			
15	16QAM	36	39	19.33	19.40	19.33	21.2	0	
15	16QAM	75	0	19.33	19.49	19.35			
15	64QAM	1	0	19.37	19.46	19.41			
15	64QAM	1	37	19.37	19.44	19.38	21.2	0	
15	64QAM	1	74	19.34	19.50	19.40			
15	64QAM	36	0	19.30	19.49	19.34			
15	64QAM	36	20	19.37	19.44	19.35	21.2	0	
15	64QAM	36	39	19.29	19.42	19.25			
15	64QAM	75	0	19.40	19.48	19.32			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.39	19.53	19.39	21.2	0	
10	QPSK	1	25	19.41	19.48	19.33			
10	QPSK	1	49	19.29	19.34	19.29			
10	QPSK	25	0	19.35	19.48	19.34	21.2	0	
10	QPSK	25	12	19.40	19.44	19.37			
10	QPSK	25	25	19.30	19.37	19.35			
10	QPSK	50	0	19.42	19.50	19.32	21.2	0	
10	16QAM	1	0	19.34	19.48	19.39			
10	16QAM	1	25	19.44	19.44	19.33			
10	16QAM	1	49	19.33	19.49	19.36	21.2	0	
10	16QAM	25	0	19.36	19.37	19.26			
10	16QAM	25	12	19.38	19.36	19.33			
10	16QAM	25	25	19.35	19.46	19.36	21.2	0	
10	16QAM	50	0	19.38	19.44	19.30			
10	64QAM	1	0	19.46	19.47	19.38			
10	64QAM	1	25	19.38	19.50	19.45	21.2	0	
10	64QAM	1	49	19.33	19.41	19.35			
10	64QAM	25	0	19.39	19.52	19.37			
10	64QAM	25	12	19.33	19.34	19.30	21.2	0	
10	64QAM	25	25	19.32	19.39	19.23			
10	64QAM	50	0	19.35	19.45	19.34			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2507.5			
5	QPSK	1	0	19.32	19.54	19.38	21.2	0	
5	QPSK	1	12	19.38	19.49	19.39			
5	QPSK	1	24	19.31	19.34	19.20			
5	QPSK	12	0	19.36	19.48	19.39	21.2	0	
5	QPSK	12	7	19.37	19.44	19.36			
5	QPSK	12	13	19.35	19.40	19.30			
5	QPSK	25	0	19.31	19.44	19.43	21.2	0	
5	16QAM	1	0	19.37	19.46	19.30			
5	16QAM	1	12	19.43	19.54	19.31			
5	16QAM	1	24	19.25	19.50	19.32	21.2	0	
5	16QAM	12	0	19.34	19.39	19.30			
5	16QAM	12	7	19.39	19.38	19.29			
5	16QAM	12	13	19.33	19.46	19.31	21.2	0	
5	16QAM	25	0	19.29	19.41	19.31			
5	64QAM	1	0	19.43	19.52	19.40			
5	64QAM	1	12	19.38	19.41	19.37	21.2	0	
5	64QAM	1	24	19.37	19.47	19.44			
5	64QAM	12	0	19.39	19.43	19.31			
5	64QAM	12	7	19.29	19.45	19.32	21.2	0	
5	64QAM	12	13	19.39	19.37	19.30			
5	64QAM	25	0	19.39	19.49	19.34			

For Ant6

GSM1900 Ant 6 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	27.80	1850.2	1880	1909.8	18.00
GSM 1 Tx slot	26.38	26.25	26.33	27.80	17.38	17.25	17.33	18.80
GPRS 1 Tx slot	26.31	26.19	26.28	27.80	17.31	17.19	17.28	18.80
GPRS 2 Tx slots	23.37	23.21	23.27	24.80	17.37	17.21	17.27	18.80
GPRS 3 Tx slots	21.26	21.14	21.24	23.00	17.02	16.88	16.98	18.74
GPRS 4 Tx slots	20.01	20.08	20.05	21.50	17.01	17.08	17.05	18.80
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slots	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant 6 DSIS

WCDMA IV Ant 6 DSIS

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938	1537	1638	1738		
	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99 AMR 12.2Kbps	20.79	20.87	20.70	22.10	22.58	22.58	22.51	23.80
3GPP Rel 99 RMC 12.2Kbps	20.89	20.94	20.85	22.10	22.61	22.66	22.64	23.80
3GPP Rel 6 HSDPA Subtest-1	20.06	20.15	19.93	21.30	21.65	21.70	21.44	22.80
3GPP Rel 6 HSDPA Subtest-2	19.97	20.12	19.83	21.30	21.56	21.63	21.63	22.80
3GPP Rel 6 HSDPA Subtest-3	19.38	19.45	19.18	20.60	21.09	21.24	20.98	22.30
3GPP Rel 6 HSDPA Subtest-4	19.16	19.38	19.45	20.60	21.25	21.45	21.40	22.30
3GPP Rel 8 DC-HSDPA Subtest-1	20.07	20.24	20.10	21.30	21.47	21.69	21.64	22.80
3GPP Rel 8 DC-HSDPA Subtest-2	19.85	19.83	19.83	21.30	21.69	21.70	21.57	22.80
3GPP Rel 8 DC-HSDPA Subtest-3	19.17	19.42	19.08	20.60	21.17	21.16	21.35	22.30
3GPP Rel 8 DC-HSDPA Subtest-4	19.22	19.16	19.07	20.60	21.21	21.05	20.88	22.30
3GPP Rel 6 HSUPA Subtest-1	19.98	20.19	19.98	21.30	21.70	21.71	21.74	22.80
3GPP Rel 6 HSUPA Subtest-2	16.83	16.80	16.72	18.10	19.70	19.73	19.67	20.80
3GPP Rel 6 HSUPA Subtest-3	17.73	18.00	17.95	19.10	20.65	20.72	20.50	21.80
3GPP Rel 6 HSUPA Subtest-4	16.84	16.87	16.87	18.10	19.63	19.61	19.48	20.80
3GPP Rel 6 HSUPA Subtest-5	19.91	20.16	19.99	21.30	21.57	21.68	21.84	22.80



Reduced Power Level for DSI 5

GSM850 Ant 0 DSI5								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	29.99	30.23	30.21	31.30	20.99	21.23	21.21	22.30
GSM 1 Tx slot	29.95	30.00	30.25	31.30	20.95	21.00	21.25	22.30
GPRS 2 Tx slots	26.38	26.50	26.52	28.30	20.38	20.50	20.52	22.30
GPRS 3 Tx slots	24.60	24.67	24.67	26.50	20.34	20.41	20.41	22.24
GPRS 4 Tx slots	23.31	23.43	23.37	25.30	20.31	20.43	20.37	22.30
EDGE 1 Tx slot	25.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI5					
Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel	826.4	836.4	846.6		
Frequency (MHz)					
3GPP Rel 99	AMR 12.2Kbps	21.49	21.62	21.47	22.30
3GPP Rel 99	RMC 12.2Kbps	21.58	21.68	21.53	22.30
3GPP Rel 6	HSDPA Subtest-1	18.14	18.29	18.28	19.30
3GPP Rel 6	HSDPA Subtest-2	18.21	18.32	18.33	19.30
3GPP Rel 6	HSDPA Subtest-3	19.74	19.79	19.78	20.80
3GPP Rel 6	HSDPA Subtest-4	19.69	19.89	19.78	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	18.12	18.46	18.27	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	18.20	18.33	18.36	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.77	19.88	19.84	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.79	19.88	19.88	20.80
3GPP Rel 6	HSUPA Subtest-1	16.25	16.28	16.24	17.30
3GPP Rel 6	HSUPA Subtest-2	16.15	16.37	16.29	17.30
3GPP Rel 6	HSUPA Subtest-3	17.19	17.35	17.39	18.30
3GPP Rel 6	HSUPA Subtest-4	16.21	16.34	16.25	17.30
3GPP Rel 6	HSUPA Subtest-5	18.24	18.38	18.33	19.30



GSM1900 Ant 1 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.64	28.51	28.57	27.80	17.64	17.51	17.57	18.20
GPRS 1 Tx slot	28.64	28.43	28.58	27.80	17.64	17.43	17.58	18.20
GPRS 2 Tx slots	22.94	22.87	23.00	24.80	16.94	16.87	17.00	18.20
GPRS 3 Tx slots	21.22	21.14	21.04	23.00	16.96	16.88	16.78	18.74
GPRS 4 Tx slots	20.03	20.06	19.98	21.80	17.03	17.06	16.98	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	21.04	21.05	20.88	21.90	21.04	21.08	21.03	21.90
3GPP Rel 99 RMC 12.2Kbps	21.15	21.23	21.09	21.90	21.08	21.10	21.05	21.90
3GPP Rel 6 HSDPA Subtest-1	20.30	20.37	20.51	21.10	20.37	20.23	20.26	20.90
3GPP Rel 6 HSDPA Subtest-2	20.25	20.49	20.30	21.10	20.16	20.28	20.08	20.90
3GPP Rel 6 HSDPA Subtest-3	19.72	19.81	19.77	20.40	19.93	19.92	19.73	20.40
3GPP Rel 6 HSDPA Subtest-4	19.67	19.74	19.78	20.40	19.69	19.98	19.65	20.40
3GPP Rel 8 DC-HSDPA Subtest-1	20.23	20.58	20.52	21.10	20.03	20.34	20.20	20.90
3GPP Rel 8 DC-HSDPA Subtest-2	20.32	20.56	20.43	21.10	20.28	20.23	20.37	20.90
3GPP Rel 8 DC-HSDPA Subtest-3	19.75	19.88	19.85	20.40	19.64	19.69	19.68	20.40
3GPP Rel 8 DC-HSDPA Subtest-4	19.86	19.95	19.75	20.40	19.56	19.84	19.41	20.40
3GPP Rel 6 HSUPA Subtest-1	20.55	20.47	20.27	21.10	20.38	20.42	20.28	20.90
3GPP Rel 6 HSUPA Subtest-2	17.21	17.30	17.25	17.90	18.25	18.28	18.16	18.90
3GPP Rel 6 HSUPA Subtest-3	18.36	18.25	18.22	18.90	19.21	19.43	19.20	19.90
3GPP Rel 6 HSUPA Subtest-4	17.25	17.34	17.15	17.90	18.28	18.46	18.33	18.90
3GPP Rel 6 HSUPA Subtest-5	20.48	20.66	20.60	21.10	20.05	20.23	20.21	20.90

GSM850 Ant 2 DSIS

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.40	27.27	27.55	28.50	18.40	18.27	18.55	19.50
GPRS 1 Tx slot	27.38	27.18	27.50	28.50	18.38	18.18	18.50	19.50
GPRS 2 Tx slots	22.21	22.09	22.40	23.50	18.21	18.09	18.40	19.50
GPRS 3 Tx slots	22.49	22.40	22.72	23.70	18.23	18.14	18.46	19.44
GPRS 4 Tx slots	21.60	21.79	21.44	22.50	18.60	18.79	18.44	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSIS

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	2034	836.4	848.8	
3GPP Rel 99 AMR 12.2Kbps	19.45	19.53	19.43	20.50
3GPP Rel 99 RMC 12.2Kbps	19.55	19.70	19.55	20.50
3GPP Rel 6 HSDPA Subtest-1	16.52	16.54	16.44	17.50
3GPP Rel 6 HSDPA Subtest-2	16.45	16.63	16.27	17.50
3GPP Rel 6 HSDPA Subtest-3	18.04	18.24	17.88	19.00
3GPP Rel 6 HSDPA Subtest-4	17.98	18.11	18.03	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	16.45	16.39	16.38	17.50
3GPP Rel 8 DC-HSDPA Subtest-2	16.43	16.84	16.80	17.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.90	18.16	17.98	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	17.90	18.13	18.01	19.00
3GPP Rel 6 HSUPA Subtest-1	16.44	16.67	16.35	17.50
3GPP Rel 6 HSUPA Subtest-2	14.49	14.64	14.32	15.50
3GPP Rel 6 HSUPA Subtest-3	15.43	15.92	15.56	16.50
3GPP Rel 6 HSUPA Subtest-4	14.47	14.55	14.46	15.50
3GPP Rel 6 HSUPA Subtest-5	16.58	16.68	16.53	17.50



Band 7 ENDC Ant 5 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.49	13.84	13.47	14.9	0	
20	QPSK	1	49	13.76	13.58	13.57			
20	QPSK	1	99	13.44	13.44	13.40			
20	QPSK	50	0	13.54	13.81	13.72	14.9	0	
20	QPSK	50	24	13.52	13.62	13.72			
20	QPSK	50	50	13.69	13.75	13.40			
20	QPSK	100	0	13.66	13.68	13.48	14.9	0	
20	16QAM	1	0	13.56	13.77	13.71			
20	16QAM	1	49	13.57	13.63	13.53			
20	16QAM	1	99	13.65	13.54	13.65	14.9	0	
20	16QAM	50	0	13.43	13.71	13.54			
20	16QAM	50	24	13.41	13.60	13.45			
20	16QAM	50	50	13.59	13.70	13.42	14.9	0	
20	16QAM	100	0	13.65	13.52	13.58			
20	64QAM	1	0	13.46	13.75	13.50			
20	64QAM	1	49	13.80	13.71	13.64	14.9	0	
20	64QAM	1	99	13.66	13.58	13.64			
20	64QAM	50	0	13.48	13.70	13.68			
20	64QAM	50	24	13.63	13.42	13.60	14.9	0	
20	64QAM	50	50	13.46	13.53	13.67			
20	64QAM	100	0	13.47	13.83	13.49			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.42	13.73	13.40	14.9	0	
15	QPSK	1	37	13.67	13.46	13.47			
15	QPSK	1	74	13.36	13.37	13.33			
15	QPSK	36	0	13.44	13.72	13.60	14.9	0	
15	QPSK	36	20	13.40	13.54	13.64			
15	QPSK	36	39	13.61	13.64	13.30			
15	QPSK	75	0	13.57	13.57	13.39	14.9	0	
15	16QAM	1	0	13.48	13.70	13.62			
15	16QAM	1	37	13.46	13.54	13.43			
15	16QAM	1	74	13.56	13.42	13.57	14.9	0	
15	16QAM	36	0	13.30	13.63	13.46			
15	16QAM	36	20	13.32	13.53	13.37			
15	16QAM	36	39	13.48	13.61	13.30	14.9	0	
15	16QAM	75	0	13.55	13.44	13.47			
15	64QAM	1	0	13.36	13.68	13.38			
15	64QAM	1	37	13.68	13.61	13.52	14.9	0	
15	64QAM	1	74	13.54	13.46	13.56			
15	64QAM	36	0	13.39	13.62	13.58			
15	64QAM	36	20	13.51	13.30	13.50	14.9	0	
15	64QAM	36	39	13.36	13.42	13.57			
15	64QAM	75	0	13.35	13.72	13.41			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.42	13.72	13.36	14.9	0	
10	QPSK	1	25	13.63	13.48	13.47			
10	QPSK	1	49	13.35	13.33	13.27			
10	QPSK	25	0	13.43	13.73	13.62	14.9	0	
10	QPSK	25	12	13.41	13.52	13.60			
10	QPSK	25	25	13.57	13.63	13.30			
10	QPSK	50	0	13.59	13.55	13.35	14.9	0	
10	16QAM	1	0	13.46	13.69	13.60			
10	16QAM	1	25	13.45	13.55	13.45			
10	16QAM	1	49	13.53	13.47	13.58	14.9	0	
10	16QAM	25	0	13.33	13.63	13.43			
10	16QAM	25	12	13.30	13.53	13.38			
10	16QAM	25	25	13.48	13.50	13.33	14.9	0	
10	16QAM	50	0	13.57	13.42	13.51			
10	64QAM	1	0	13.37	13.67	13.38			
10	64QAM	1	25	13.70	13.62	13.53	14.9	0	
10	64QAM	1	49	13.54	13.49	13.54			
10	64QAM	25	0	13.40	13.59	13.60			
10	64QAM	25	12	13.51	13.32	13.52	14.9	0	
10	64QAM	25	25	13.35	13.42	13.54			
10	64QAM	50	0	13.40	13.72	13.40			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.41	13.77	13.40	14.9	0	
5	QPSK	1	12	13.69	13.48	13.48			
5	QPSK	1	24	13.31	13.32	13.29			
5	QPSK	12	0	13.47	13.73	13.60	14.9	0	
5	QPSK	12	7	13.42	13.51	13.59			
5	QPSK	12	13	13.61	13.66	13.32			
5	QPSK	25	0	13.59	13.56	13.36	14.9	0	
5	16QAM	1	0	13.44	13.64	13.58			
5	16QAM	1	12	13.49	13.50	13.45			
5	16QAM	1	24	13.55	13.45	13.54	14.9	0	
5	16QAM	12	0	13.33	13.61	13.45			
5	16QAM	12	7	13.30	13.50	13.33			
5	16QAM	12	13	13.50	13.61	13.32	14.9	0	
5	16QAM	25	0	13.56	13.42	13.46			
5	64QAM	1	0	13.38	13.64	13.42			
5	64QAM	1	12	13.68	13.58	13.53	14.9	0	
5	64QAM	1	24	13.54	13.46	13.52			
5	64QAM	12	0	13.36	13.57	13.59			
5	64QAM	12	7	13.52	13.31	13.49	14.9	0	
5	64QAM	12	13	13.34	13.40	13.58			
5	64QAM	25	0	13.39	13.71	13.36			

GSM1900 Ant 6 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	22.62	22.41	22.69	24.10	13.62	13.41	13.69	15.10
GPRS 1 Tx slot	22.55	22.85	22.96	24.10	13.55	13.85	13.96	15.10
GPRS 2 Tx slots	19.59	19.43	19.51	21.10	13.59	13.43	13.51	15.10
GPRS 3 Tx slots	17.87	17.57	17.58	19.30	13.61	13.31	13.32	15.04
GPRS 4 Tx slots	16.56	16.70	16.46	18.10	13.56	13.70	13.46	15.10
EDGE 1 Tx slot	22.68	22.29	22.41	24.10	13.68	13.29	13.41	15.10
EDGE 2 Tx slots	19.64	19.40	19.47	21.10	13.64	13.40	13.47	15.10
EDGE 3 Tx slots	17.84	17.67	17.85	19.30	13.58	13.41	13.59	15.04
EDGE 4 Tx slots	16.56	16.28	16.38	18.10	13.56	13.28	13.38	15.10

WCDMA II Ant 6 DSIS

WCDMA IV Ant 6 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1738	
Frequency (MHz)	1852.4	1880	1917.6		1712.4	1722.3	1752.6	
3GPP Rel 99 AMR 12.2Kbps	12.72	12.82	12.66	14.00	16.29	16.49	16.42	17.50
3GPP Rel 99 RMC 12.2Kbps	12.89	12.97	12.78	14.00	16.51	16.65	16.51	17.50
3GPP Rel 6 HSDPA Subtest-1	12.02	12.17	11.94	13.20	15.34	15.49	15.20	16.50
3GPP Rel 6 HSDPA Subtest-2	11.85	12.02	11.92	13.20	15.30	15.29	15.45	16.50
3GPP Rel 6 HSDPA Subtest-3	11.40	11.44	11.19	12.50	14.84	15.02	14.80	16.00
3GPP Rel 6 HSDPA Subtest-4	11.03	11.37	11.35	12.50	15.08	15.24	15.20	16.00
3GPP Rel 8 DC-HSDPA Subtest-1	12.09	12.21	12.08	13.20	15.20	15.49	15.44	16.50
3GPP Rel 8 DC-HSDPA Subtest-2	11.82	11.83	11.73	13.20	15.50	15.51	15.30	16.50
3GPP Rel 8 DC-HSDPA Subtest-3	11.19	11.36	11.11	12.50	14.88	14.93	15.03	16.00
3GPP Rel 8 DC-HSDPA Subtest-4	11.27	11.09	11.06	12.50	14.99	14.75	14.69	16.00
3GPP Rel 6 HSUPA Subtest-1	11.95	12.20	11.96	13.20	15.42	15.49	15.52	16.50
3GPP Rel 6 HSUPA Subtest-2	8.77	8.78	8.63	10.00	13.49	13.54	13.38	14.50
3GPP Rel 6 HSUPA Subtest-3	9.67	9.94	9.90	11.00	14.48	14.53	14.29	15.50
3GPP Rel 6 HSUPA Subtest-4	8.88	8.89	8.81	10.00	13.31	13.38	13.22	14.50
3GPP Rel 6 HSUPA Subtest-5	11.95	12.12	11.94	13.20	15.22	15.47	15.64	16.50



Band 2 Ant 6 DSI5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 4 Ant 6 DSI5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 7 Ant 6 DSI5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Reduced Power Level for DSI 7

GSM850 Ant 0 DSI7

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	32.00	824.2	836.4	848.8	23.00
Frequency (MHz)	30.63	30.83	30.81		21.63	21.83	21.81	
GSM 1 Tx slot	30.55	30.60	30.81	32.00	21.55	21.60	21.81	23.00
GPRS 1 Tx slot	27.01	27.03	27.10	29.00	21.01	21.03	21.10	23.00
GPRS 2 Tx slots	25.24	25.26	25.38	27.20	20.98	21.00	21.12	22.94
GPRS 3 Tx slots	24.06	24.13	24.02	26.00	21.06	21.13	21.02	23.00
GPRS 4 Tx slots	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 1 Tx slot	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 2 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 3 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00
EDGE 4 Tx slots								

WCDMA V Ant 0 DSI7

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	826.4	836.4	846.6	
Frequency (MHz)				
3GPP Rel 99 AMR 12.2Kops	22.14	22.19	22.10	23.00
3GPP Rel 99 RMC 12.2Kops	22.21	22.26	22.17	23.00
3GPP Rel 6 HSDPA Subtest-1	18.83	18.95	18.84	20.00
3GPP Rel 6 HSDPA Subtest-2	18.88	18.96	18.87	20.00
3GPP Rel 6 HSDPA Subtest-3	20.43	20.47	20.36	21.50
3GPP Rel 6 HSDPA Subtest-4	20.22	20.53	20.38	21.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.79	19.04	18.83	20.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.76	18.92	18.95	20.00
3GPP Rel 8 DC-HSDPA Subtest-3	20.25	20.44	20.38	21.50
3GPP Rel 8 DC-HSDPA Subtest-4	20.30	20.50	20.44	21.50
3GPP Rel 6 HSUPA Subtest-1	18.83	18.92	18.86	20.00
3GPP Rel 6 HSUPA Subtest-2	16.80	16.93	16.91	18.00
3GPP Rel 6 HSUPA Subtest-3	17.75	18.05	17.93	19.00
3GPP Rel 6 HSUPA Subtest-4	16.81	16.96	16.84	18.00
3GPP Rel 6 HSUPA Subtest-5	18.82	18.96	18.95	20.00



GSM1900 Ant 1 DS17

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.29	27.14	27.25	28.50	18.29	18.14	18.25	19.50
GPRS 1 Tx slot	27.21	27.09	27.18	28.50	18.21	18.09	18.18	19.50
GPRS 2 Tx slots	23.70	23.79	23.75	25.50	17.70	17.79	17.75	19.50
GPRS 3 Tx slots	21.78	21.74	21.79	23.70	17.52	17.48	17.53	19.44
GPRS 4 Tx slots	20.61	20.63	20.54	22.50	17.61	17.63	17.54	19.50
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DS17

WCDMA IV Ant 1 DS17

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1742.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	21.72	21.83	21.69	22.60	21.80	21.83	21.76	22.60
3GPP Rel 99 RMC 12.2Kbps	21.84	21.96	21.83	22.60	21.89	21.92	21.89	22.60
3GPP Rel 6 HSDPA Subtest-1	21.01	21.13	21.21	21.80	21.13	21.07	21.07	21.60
3GPP Rel 6 HSDPA Subtest-2	20.96	21.10	20.97	21.80	21.03	21.15	20.91	21.60
3GPP Rel 6 HSDPA Subtest-3	20.45	20.48	20.45	21.10	20.71	20.67	20.53	21.10
3GPP Rel 6 HSDPA Subtest-4	20.37	20.52	20.44	21.10	20.50	20.72	20.48	21.10
3GPP Rel 8 DC-HSDPA Subtest-1	20.95	21.33	21.22	21.80	20.85	21.12	21.01	21.60
3GPP Rel 8 DC-HSDPA Subtest-2	21.02	21.31	21.23	21.80	20.99	21.06	21.15	21.60
3GPP Rel 8 DC-HSDPA Subtest-3	20.43	20.55	20.58	21.10	20.34	20.45	20.50	21.10
3GPP Rel 8 DC-HSDPA Subtest-4	20.62	20.68	20.42	21.10	20.42	20.57	20.22	21.10
3GPP Rel 6 HSUPA Subtest-1	21.17	21.19	21.06	21.80	21.19	21.15	21.10	21.60
3GPP Rel 6 HSUPA Subtest-2	17.99	18.00	17.92	18.60	18.98	19.15	18.98	19.60
3GPP Rel 6 HSUPA Subtest-3	18.98	18.98	18.95	19.60	20.00	20.17	19.98	20.60
3GPP Rel 6 HSUPA Subtest-4	17.97	18.08	17.91	18.60	19.09	19.20	19.08	19.60
3GPP Rel 6 HSUPA Subtest-5	21.16	21.45	21.25	21.80	20.85	21.12	20.99	21.60

GSM850 Ant 2 DS17

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	28.10	28.00	28.32	29.20	19.10	19.00	19.32	20.20
GPRS 1 Tx slot	28.06	27.94	28.23	29.20	19.06	18.94	19.23	20.20
GPRS 2 Tx slots	24.86	24.87	25.05	26.20	18.86	18.87	19.05	20.20
GPRS 3 Tx slots	23.18	23.17	23.39	24.40	18.92	18.91	19.13	20.14
GPRS 4 Tx slots	22.25	22.54	22.24	23.20	19.25	19.54	19.24	20.20
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DS17

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel					
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.22	20.44	20.17	21.20
3GPP Rel 99	RMC 12.2Kbps	20.13	20.45	20.18	21.20
3GPP Rel 6	HSDPA Subtest-1	17.26	17.23	17.07	18.20
3GPP Rel 6	HSDPA Subtest-2	17.27	17.34	17.16	18.20
3GPP Rel 6	HSDPA Subtest-3	18.66	18.88	18.54	19.70
3GPP Rel 6	HSDPA Subtest-4	18.72	18.76	18.76	19.70
3GPP Rel 8	DC-HSDPA Subtest-1	17.23	17.33	17.20	18.20
3GPP Rel 8	DC-HSDPA Subtest-2	17.31	17.54	17.45	18.20
3GPP Rel 8	DC-HSDPA Subtest-3	18.75	18.85	18.52	19.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.79	18.78	18.72	19.70
3GPP Rel 6	HSUPA Subtest-1	17.22	17.43	17.20	18.20
3GPP Rel 6	HSUPA Subtest-2	15.25	15.42	15.09	16.20
3GPP Rel 6	HSUPA Subtest-3	16.30	16.52	16.15	17.20
3GPP Rel 6	HSUPA Subtest-4	15.24	15.34	15.23	16.20
3GPP Rel 6	HSUPA Subtest-5	17.30	17.48	17.38	18.20



Band 7 ENDC Ant 5 DS17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.07	14.36	13.93	15.6	0	
20	QPSK	1	49	14.31	14.05	14.16			
20	QPSK	1	99	13.91	14.02	13.94			
20	QPSK	50	0	14.09	14.29	14.15	15.6	0	
20	QPSK	50	24	14.04	14.14	14.21			
20	QPSK	50	50	14.26	14.23	13.86			
20	QPSK	100	0	14.16	14.27	13.97	15.6	0	
20	16QAM	1	0	14.13	14.21	14.15			
20	16QAM	1	49	14.02	14.09	14.08			
20	16QAM	1	99	14.22	13.98	14.12	15.6	0	
20	16QAM	50	0	14.02	14.13	13.95			
20	16QAM	50	24	13.90	14.08	13.97			
20	16QAM	50	50	14.16	14.11	13.89	15.6	0	
20	16QAM	100	0	14.24	14.12	14.10			
20	64QAM	1	0	13.92	14.19	14.05			
20	64QAM	1	49	14.27	14.23	14.11	15.6	0	
20	64QAM	1	99	14.23	14.07	14.05			
20	64QAM	50	0	14.00	14.24	14.11			
20	64QAM	50	24	14.10	13.99	14.13	15.6	0	
20	64QAM	50	50	13.98	13.95	14.19			
20	64QAM	100	0	13.87	14.29	13.94			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.99	14.24	13.81	15.6	0	
15	QPSK	1	37	14.17	13.94	14.04			
15	QPSK	1	74	13.81	13.95	13.83			
15	QPSK	36	0	14.02	14.24	14.09	15.6	0	
15	QPSK	36	20	13.94	14.05	14.14			
15	QPSK	36	39	14.19	14.16	14.05			
15	QPSK	75	0	14.10	14.15	13.88	15.6	0	
15	16QAM	1	0	14.00	14.14	14.00			
15	16QAM	1	37	13.97	14.04	13.94			
15	16QAM	1	74	14.13	13.90	14.04	15.6	0	
15	16QAM	36	0	13.95	13.99	13.81			
15	16QAM	36	20	13.75	13.97	13.86			
15	16QAM	36	39	14.07	14.01	13.78	15.6	0	
15	16QAM	75	0	14.12	14.03	13.97			
15	64QAM	1	0	13.82	14.07	13.97			
15	64QAM	1	37	14.14	14.17	13.96	15.6	0	
15	64QAM	1	74	14.14	13.96	13.93			
15	64QAM	36	0	13.93	14.18	14.03			
15	64QAM	36	20	14.03	13.90	14.01	15.6	0	
15	64QAM	36	39	13.94	13.85	14.13			
15	64QAM	75	0	13.74	14.22	13.88			
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.93	14.22	13.79	15.6	0	
10	QPSK	1	25	14.19	13.99	14.02			
10	QPSK	1	49	13.76	13.96	13.86			
10	QPSK	25	0	13.97	14.18	14.05	15.6	0	
10	QPSK	25	12	13.90	14.04	14.15			
10	QPSK	25	25	14.16	14.08	13.79			
10	QPSK	50	0	14.03	14.14	13.86	15.6	0	
10	16QAM	1	0	14.02	14.11	14.08			
10	16QAM	1	25	13.90	14.03	13.98			
10	16QAM	1	49	14.11	13.88	14.00	15.6	0	
10	16QAM	25	0	13.91	14.05	13.90			
10	16QAM	25	12	13.81	14.01	13.87			
10	16QAM	25	25	14.06	14.01	13.82	15.6	0	
10	16QAM	50	0	14.11	14.00	14.00			
10	64QAM	1	0	13.85	14.13	13.97			
10	64QAM	1	25	14.17	14.11	13.98	15.6	0	
10	64QAM	1	49	14.09	14.02	13.95			
10	64QAM	25	0	13.88	14.14	13.97			
10	64QAM	25	12	14.04	13.85	14.08	15.6	0	
10	64QAM	25	25	13.91	13.82	14.04			
10	64QAM	50	0	13.74	14.22	13.85			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.99	14.22	13.94	15.6	0	
5	QPSK	1	12	14.19	13.97	14.07			
5	QPSK	1	24	13.77	13.94	13.80			
5	QPSK	12	0	14.02	14.19	14.08	15.6	0	
5	QPSK	12	7	13.95	14.03	14.14			
5	QPSK	12	13	14.18	14.11	13.74			
5	QPSK	25	0	14.03	14.19	13.87	15.6	0	
5	16QAM	1	0	14.04	14.14	14.06			
5	16QAM	1	12	13.96	14.03	13.98			
5	16QAM	1	24	14.10	13.85	14.03	15.6	0	
5	16QAM	12	0	13.89	14.04	13.88			
5	16QAM	12	7	13.83	14.00	13.83			
5	16QAM	12	13	14.04	13.98	13.83	15.6	0	
5	16QAM	25	0	14.19	14.00	14.03			
5	64QAM	1	0	13.80	14.11	13.94			
5	64QAM	1	12	14.16	14.11	14.03	15.6	0	
5	64QAM	1	24	14.15	13.93	14.00			
5	64QAM	12	0	13.90	14.15	14.03			
5	64QAM	12	7	13.98	13.90	14.06	15.6	0	
5	64QAM	12	13	13.87	13.87	14.09			
5	64QAM	25	0	13.80	14.15	13.88			



GSM1900 Ant 6 DS17

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810					
Frequency (MHz)	1852.2	1880	1908.3		1852.2	1880	1908.3	
GSM 1 Tx slot	23.36	23.14	23.27	24.80	14.36	14.14	14.27	15.80
GPRS 1 Tx slot	23.31	23.05	23.33	24.80	14.31	14.05	14.33	15.80
GPRS 2 Tx slots	20.38	20.21	20.22	21.80	14.38	14.21	14.22	15.80
GPRS 3 Tx slots	18.53	18.37	18.55	20.00	14.27	14.11	14.29	15.74
GPRS 4 Tx slots	17.19	17.33	17.31	18.80	14.19	14.33	14.31	15.80
EDGE 1 Tx slot	23.24	22.98	23.03	24.80	14.24	13.98	14.03	15.80
EDGE 2 Tx slots	20.27	20.23	20.16	21.80	14.27	14.23	14.16	15.80
EDGE 3 Tx slots	18.47	18.35	18.53	20.00	14.21	14.09	14.27	15.74
EDGE 4 Tx slots	17.34	17.02	16.95	18.80	14.34	14.02	13.95	15.80

WCDMA II Ant 6 DS17

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9682	9400	9598		1312	1413	1513		
TX Channel	9682	9400	9598						
Rx Channel	9682	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	13.45	13.51	13.39	14.70	17.04	17.12	17.14	18.20
3GPP Rel 99	RMC 12.2Kbps	13.58	13.59	13.52	14.70	17.19	17.31	17.19	18.20
3GPP Rel 6	HSDPA Subtest-1	12.73	12.86	12.57	13.90	16.06	16.18	15.85	17.20
3GPP Rel 6	HSDPA Subtest-2	12.65	12.82	12.58	13.90	16.05	16.04	16.14	17.20
3GPP Rel 6	HSDPA Subtest-3	12.07	12.11	11.88	13.20	15.57	15.76	15.53	16.70
3GPP Rel 6	HSDPA Subtest-4	11.81	12.02	12.11	13.20	15.67	15.88	15.92	16.70
3GPP Rel 8	DC-HSDPA Subtest-1	12.75	12.92	12.75	13.90	15.84	16.16	16.03	17.20
3GPP Rel 8	DC-HSDPA Subtest-2	12.54	12.50	12.49	13.90	16.20	16.20	15.98	17.20
3GPP Rel 8	DC-HSDPA Subtest-3	11.85	12.06	11.71	13.20	15.64	15.73	15.83	16.70
3GPP Rel 8	DC-HSDPA Subtest-4	11.94	11.84	11.68	13.20	15.69	15.46	15.43	16.70
3GPP Rel 6	HSUPA Subtest-1	12.61	12.81	12.70	13.90	16.15	16.25	16.23	17.20
3GPP Rel 6	HSUPA Subtest-2	9.53	9.45	9.39	10.70	14.17	14.30	14.16	15.20
3GPP Rel 6	HSUPA Subtest-3	10.41	10.64	10.60	11.70	15.15	15.16	15.00	16.20
3GPP Rel 6	HSUPA Subtest-4	9.57	9.54	9.55	10.70	14.08	14.03	13.98	15.20
3GPP Rel 6	HSUPA Subtest-5	12.55	12.79	12.57	13.90	16.00	16.17	16.40	17.20



Reduced Power Level for DSI 9

GSM850 Ant 0 DSI9								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	24.12	33.4	34.8	31.30	32.12	33.4	34.8	22.30
GSM 1 Tx slot	29.95	30.23	30.21	31.30	20.99	21.23	21.21	22.30
GPRS 1 Tx slot	29.95	30.00	30.25	31.30	20.95	21.00	21.25	22.30
GPRS 2 Tx slots	26.38	26.50	26.52	28.30	20.38	20.50	20.52	22.30
GPRS 3 Tx slots	24.60	24.67	24.67	26.50	20.34	20.41	20.41	22.24
GPRS 4 Tx slots	23.31	23.43	23.37	25.30	20.31	20.43	20.37	22.30
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI9					
Band TX Channel	WCDMA V			Tune-up Limit (dBm)	
	4182	4182	4233		
Rx Channel	4357	4407	4453		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.49	21.62	21.47	22.30
3GPP Rel 99	RMC 12.2Kbps	21.58	21.68	21.53	22.30
3GPP Rel 6	HSDPA Subtest-1	18.14	18.29	18.28	19.30
3GPP Rel 6	HSDPA Subtest-2	18.21	18.32	18.33	19.30
3GPP Rel 6	HSDPA Subtest-3	19.74	19.79	19.78	20.80
3GPP Rel 6	HSDPA Subtest-4	19.69	19.89	19.78	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	18.12	18.46	18.27	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	18.20	18.33	18.36	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.77	19.88	19.84	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.79	19.88	19.88	20.80
3GPP Rel 6	HSUPA Subtest-1	18.25	18.28	18.24	19.30
3GPP Rel 6	HSUPA Subtest-2	16.15	16.37	16.29	17.30
3GPP Rel 6	HSUPA Subtest-3	17.19	17.35	17.39	18.30
3GPP Rel 6	HSUPA Subtest-4	16.21	16.34	16.25	17.30
3GPP Rel 6	HSUPA Subtest-5	18.24	18.38	18.33	19.30



GSM1900 Ant 1 DSIS

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.64	26.51	26.57	27.80	17.64	17.51	17.57	18.80
GPRS 1 Tx slot	23.64	23.43	23.58	27.80	17.54	17.43	17.58	18.80
GPRS 2 Tx slots	22.94	22.87	23.00	24.80	16.94	16.87	17.00	18.80
GPRS 3 Tx slots	21.22	21.14	21.04	23.00	16.96	16.88	16.78	18.74
GPRS 4 Tx slots	20.03	20.06	19.98	21.80	17.03	17.06	16.98	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSIS

WCDMA IV Ant 1 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1758	
Frequency (MHz)	1822.4	1880	1927.6		1712.4	1722.6	1762.6	
3GPP Rel 99	AMR 12.2Kbps	20.00	20.06	20.19	20.90	19.93	19.92	19.96
3GPP Rel 99	RMC 12.2Kbps	20.19	20.21	20.18	20.90	20.09	20.14	20.13
3GPP Rel 6	HSDPA Subtest-1	19.31	19.49	19.52	20.10	19.43	19.27	19.16
3GPP Rel 6	HSDPA Subtest-2	19.37	19.38	19.35	20.10	19.10	19.31	19.21
3GPP Rel 6	HSDPA Subtest-3	18.84	18.80	18.78	19.40	18.94	18.87	18.77
3GPP Rel 6	HSDPA Subtest-4	18.76	18.86	18.89	19.40	18.75	18.87	18.52
3GPP Rel 8	DC-HSDPA Subtest-1	19.24	19.56	19.47	20.10	19.15	19.37	19.24
3GPP Rel 8	DC-HSDPA Subtest-2	19.43	19.54	19.51	20.10	19.27	19.24	19.38
3GPP Rel 8	DC-HSDPA Subtest-3	18.73	18.89	18.84	19.40	18.55	18.79	18.76
3GPP Rel 8	DC-HSDPA Subtest-4	18.97	18.98	18.70	19.40	18.59	18.83	18.40
3GPP Rel 6	HSUPA Subtest-1	19.63	19.56	19.37	20.10	19.41	19.36	19.27
3GPP Rel 6	HSUPA Subtest-2	16.28	16.37	16.22	16.90	17.28	17.32	17.23
3GPP Rel 6	HSUPA Subtest-3	17.35	17.31	17.20	17.90	18.23	18.40	18.19
3GPP Rel 6	HSUPA Subtest-4	16.26	16.35	16.12	16.90	17.45	17.44	17.42
3GPP Rel 6	HSUPA Subtest-5	19.42	19.73	19.82	20.10	18.96	19.37	19.28



GSM850 Ant 2 DSIS

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.40	27.27	27.55	28.50	18.40	18.27	18.55	19.50
GPRS 1 Tx slots	27.38	27.18	27.50	28.50	18.38	18.18	18.50	19.50
GPRS 2 Tx slots	24.21	24.09	24.40	25.50	19.21	18.99	18.40	19.50
GPRS 3 Tx slots	22.49	22.40	22.72	23.70	18.23	18.14	18.46	19.44
GPRS 4 Tx slots	21.60	21.79	21.44	22.50	18.60	18.79	18.44	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSIS

Band TX Channel Rx Channel Frequency (MHz)	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
	4367	4407	4458	
	826.4	838.4	848.8	
3GPP Rel 99 AMR 12.2Kbps	20.85	21.02	20.99	22.00
3GPP Rel 99 RMC 12.2Kbps	20.99	21.21	21.11	22.00
3GPP Rel 6 HSDPA Subtest-1	18.00	18.05	18.03	19.00
3GPP Rel 6 HSDPA Subtest-2	18.00	18.06	17.80	19.00
3GPP Rel 6 HSDPA Subtest-3	19.50	19.84	19.48	20.50
3GPP Rel 6 HSDPA Subtest-4	19.50	19.51	19.46	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.00	18.01	17.95	19.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.00	18.39	18.38	19.00
3GPP Rel 8 DC-HSDPA Subtest-3	19.50	19.71	19.37	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	19.50	19.59	19.62	20.50
3GPP Rel 6 HSUPA Subtest-1	18.00	18.20	17.95	19.00
3GPP Rel 6 HSUPA Subtest-2	16.00	16.09	15.84	17.00
3GPP Rel 6 HSUPA Subtest-3	17.00	17.31	16.98	18.00
3GPP Rel 6 HSUPA Subtest-4	16.00	16.17	15.97	17.00
3GPP Rel 6 HSUPA Subtest-5	18.00	18.25	18.11	19.00



Band 7 ENDC Ant 5 DSI9											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350	18	0			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	16.63	16.92	16.65	18	0			
20	QPSK	1	49	16.80	16.67	16.76					
20	QPSK	1	99	16.61	16.57	16.63					
20	QPSK	50	0	16.66	16.86	16.81					
20	QPSK	50	24	16.55	16.68	16.73					
20	QPSK	50	50	16.75	16.85	16.59					
20	QPSK	100	0	16.71	16.72	16.55	18	0			
20	16QAM	1	0	16.59	16.91	16.72					
20	16QAM	1	49	16.75	16.68	16.72					
20	16QAM	1	99	16.81	16.72	16.77					
20	16QAM	50	0	16.58	16.87	16.67					
20	16QAM	50	24	16.48	16.65	16.47					
20	16QAM	50	50	16.72	16.75	16.47	18	0			
20	16QAM	100	0	16.73	16.72	16.76					
20	64QAM	1	0	16.48	16.86	16.68					
20	64QAM	1	49	16.86	16.89	16.79					
20	64QAM	1	99	16.84	16.70	16.71					
20	64QAM	50	0	16.68	16.88	16.83					
20	64QAM	50	24	16.66	16.44	16.69	18	0			
20	64QAM	50	50	16.61	16.57	16.82					
20	64QAM	100	0	16.55	16.72	16.53					
Channel				20825	21100	21375			18	0	
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	16.54	16.96	16.56			18	0	
15	QPSK	1	37	16.74	16.58	16.67					
15	QPSK	1	74	16.51	16.52	16.52					
15	QPSK	36	0	16.54	16.76	16.74					
15	QPSK	36	20	16.49	16.55	16.65					
15	QPSK	36	39	16.61	16.72	16.44					
15	QPSK	75	0	16.59	16.67	16.47	18	0			
15	16QAM	1	0	16.52	16.80	16.66					
15	16QAM	1	37	16.67	16.59	16.65					
15	16QAM	1	74	16.74	16.66	16.63					
15	16QAM	36	0	16.43	16.77	16.53					
15	16QAM	36	20	16.35	16.56	16.40					
15	16QAM	36	39	16.62	16.68	16.33	18	0			
15	16QAM	75	0	16.66	16.59	16.69					
15	64QAM	1	0	16.43	16.77	16.56					
15	64QAM	1	37	16.88	16.74	16.70					
15	64QAM	1	74	16.71	16.63	16.62					
15	64QAM	36	0	16.55	16.75	16.73					
15	64QAM	36	20	16.57	16.31	16.60	18	0			
15	64QAM	36	39	16.57	16.44	16.73					
15	64QAM	75	0	16.48	16.82	16.41					
Channel				20900	21100	21400			18	0	
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	16.50	16.93	16.58			18	0	
10	QPSK	1	25	16.73	16.61	16.65					
10	QPSK	1	49	16.48	16.50	16.58					
10	QPSK	25	0	16.60	16.78	16.71					
10	QPSK	25	12	16.41	16.59	16.62					
10	QPSK	25	25	16.62	16.71	16.54					
10	QPSK	50	0	16.57	16.59	16.48	18	0			
10	16QAM	1	0	16.50	16.78	16.63					
10	16QAM	1	25	16.64	16.57	16.62					
10	16QAM	1	49	16.72	16.58	16.67					
10	16QAM	25	0	16.52	16.74	16.58					
10	16QAM	25	12	16.42	16.51	16.33					
10	16QAM	25	25	16.61	16.64	16.38	18	0			
10	16QAM	50	0	16.67	16.66	16.65					
10	64QAM	1	0	16.39	16.79	16.53					
10	64QAM	1	25	16.89	16.78	16.67					
10	64QAM	1	49	16.74	16.55	16.60					
10	64QAM	25	0	16.56	16.77	16.70					
10	64QAM	25	12	16.58	16.32	16.63	18	0			
10	64QAM	25	25	16.51	16.45	16.69					
10	64QAM	50	0	16.47	16.89	16.45					
Channel				20775	21100	21425			18	0	
Frequency (MHz)				2502.5	2535	2557.5					
5	QPSK	1	0	16.50	16.90	16.57			18	0	
5	QPSK	1	12	16.66	16.56	16.67					
5	QPSK	1	24	16.52	16.46	16.54					
5	QPSK	12	0	16.53	16.78	16.76					
5	QPSK	12	7	16.45	16.56	16.66					
5	QPSK	12	13	16.64	16.74	16.46					
5	QPSK	25	0	16.62	16.58	16.46	18	0			
5	16QAM	1	0	16.45	16.85	16.58					
5	16QAM	1	12	16.68	16.55	16.59					
5	16QAM	1	24	16.69	16.65	16.69					
5	16QAM	12	0	16.45	16.76	16.60					
5	16QAM	12	7	16.43	16.55	16.33					
5	16QAM	12	13	16.62	16.61	16.42	18	0			
5	16QAM	25	0	16.66	16.61	16.67					
5	64QAM	1	0	16.41	16.85	16.53					
5	64QAM	1	12	16.85	16.75	16.71					
5	64QAM	1	24	16.69	16.57	16.63					
5	64QAM	12	0	16.60	16.77	16.76					
5	64QAM	12	7	16.53	16.36	16.61	18	0			
5	64QAM	12	13	16.50	16.48	16.70					
5	64QAM	25	0	16.43	16.85	16.47					



GSM1900 Ant 6 DSIS

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	24.60	13.98	13.93	13.98	15.60
Frequency (MHz)	1852.2	1880	1907.8	24.60	14.05	13.97	14.03	15.60
GSM 1 Tx slot	23.05	22.97	23.03	24.60	14.05	13.97	14.03	15.60
GPRS 1 Tx slot	22.98	22.93	22.98	24.60	13.98	13.93	13.98	15.60
GPRS 2 Tx slots	20.03	19.88	19.97	21.60	14.03	13.88	13.97	15.60
GPRS 3 Tx slots	18.03	17.86	17.92	19.80	13.77	13.60	13.66	15.54
GPRS 4 Tx slots	16.77	16.84	16.70	18.60	13.77	13.84	13.70	15.60
EDGE 1 Tx slot	23.10	22.88	22.87	24.60	14.10	13.88	13.87	15.60
EDGE 2 Tx slots	19.84	19.69	19.76	21.60	13.84	13.69	13.76	15.60
EDGE 3 Tx slots	17.94	17.80	17.86	19.80	13.68	13.54	13.70	15.54
EDGE 4 Tx slots	16.86	16.65	16.68	18.60	13.86	13.65	13.68	15.60

WCDMA II Ant 6 DSIS

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1512	1513	1518	
TX Channel	9262	9400	9538	18.90	19.43	19.35	19.26	20.60
RX Channel	8662	8800	8938	18.90	18.44	18.49	18.45	20.60
Frequency (MHz)	1852.4	1880	1907.6	18.10	18.44	18.50	18.27	19.60
3GPP Rel 99	AMR 12.2Kbps	17.55	17.73	17.56	18.90	19.43	19.35	20.60
3GPP Rel 99	RMC 12.2Kbps	17.72	17.80	17.67	18.90	19.44	19.45	20.60
3GPP Rel 6	HSDPA Subtest-1	16.88	16.92	16.71	18.10	18.44	18.50	18.27
3GPP Rel 6	HSDPA Subtest-2	16.76	16.93	16.65	18.10	18.35	18.39	18.45
3GPP Rel 6	HSDPA Subtest-3	16.23	16.21	15.94	17.40	17.88	18.05	18.10
3GPP Rel 6	HSDPA Subtest-4	15.93	16.14	16.21	17.40	18.02	18.24	18.16
3GPP Rel 8	DC-HSDPA Subtest-1	16.85	17.11	16.88	18.10	18.32	18.46	18.46
3GPP Rel 8	DC-HSDPA Subtest-2	16.71	16.68	16.67	18.10	18.45	18.52	18.32
3GPP Rel 8	DC-HSDPA Subtest-3	15.98	16.25	15.85	17.40	18.02	18.00	18.21
3GPP Rel 8	DC-HSDPA Subtest-4	16.04	16.00	15.84	17.40	18.08	17.85	17.73
3GPP Rel 6	HSUPA Subtest-1	16.74	16.96	16.76	18.10	18.50	18.47	18.59
3GPP Rel 6	HSUPA Subtest-2	13.58	13.62	13.54	14.90	16.57	16.52	17.60
3GPP Rel 6	HSUPA Subtest-3	14.54	14.84	14.77	15.90	17.47	17.49	18.60
3GPP Rel 6	HSUPA Subtest-4	13.64	13.71	13.72	14.90	16.45	16.42	16.31
3GPP Rel 6	HSUPA Subtest-5	16.74	16.98	16.79	18.10	18.43	18.52	18.66



Reduced Power Level for DSI 11

GSM850 Ant 0 DSI11								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6	32.00	32.42	336.4	348.6	23.00
GSM 1 Tx slot	30.63	30.83	30.81	32.00	21.63	21.83	21.81	23.00
GPRS 1 Tx slot	30.55	30.60	30.81	32.00	21.55	21.60	21.81	23.00
GPRS 2 Tx slots	27.01	27.03	27.10	29.00	21.01	21.03	21.10	23.00
GPRS 3 Tx slots	25.24	25.26	25.38	27.20	20.98	21.00	21.12	22.94
GPRS 4 Tx slots	24.06	24.13	24.02	26.00	21.06	21.13	21.02	23.00
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI11				
Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4367	4407	4458	
RI Channel	4367	4407	4458	
Frequency (MHz)	828.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.14	22.19	23.00
3GPP Rel 99	RMC 12.2Kbps	22.21	22.26	23.00
3GPP Rel 6	HSDPA Subtest-1	18.83	18.95	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.96	20.00
3GPP Rel 6	HSDPA Subtest-3	20.43	20.47	20.36
3GPP Rel 6	HSDPA Subtest-4	20.22	20.33	20.38
3GPP Rel 8	DC-HSDPA Subtest-1	18.79	19.04	18.93
3GPP Rel 8	DC-HSDPA Subtest-2	18.76	18.92	18.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.25	20.44	20.38
3GPP Rel 8	DC-HSDPA Subtest-4	20.30	20.50	20.44
3GPP Rel 6	HSUPA Subtest-1	18.83	18.92	18.86
3GPP Rel 6	HSUPA Subtest-2	16.80	16.93	16.91
3GPP Rel 6	HSUPA Subtest-3	17.75	18.05	17.93
3GPP Rel 6	HSUPA Subtest-4	16.81	16.96	16.94
3GPP Rel 6	HSUPA Subtest-5	18.82	18.96	18.95



GSM1900 Ant 1 DSI11

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.29	27.14	27.25	28.50	18.29	18.14	18.25	19.50
GPRS 1 Tx slot	27.21	27.09	27.18	28.50	18.21	18.09	18.18	19.50
GPRS 2 Tx slots	23.70	23.79	23.75	25.50	17.70	17.79	17.75	19.50
GPRS 3 Tx slots	21.78	21.74	21.79	23.70	17.52	17.48	17.53	19.44
GPRS 4 Tx slots	20.61	20.63	20.54	22.50	17.61	17.63	17.54	19.50
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSI11

WCDMA IV Ant 1 DSI11

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1519		
TX Channel	9662	9800	9938		1537	1638	1738		
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	20.78	20.82	20.74	21.60	20.67	20.69	20.56	21.50
3GPP Rel 99	RMC 12.2Kbps	20.86	20.91	20.85	21.60	20.75	20.77	20.75	21.50
3GPP Rel 6	HSDPA Subtest-1	19.97	20.23	20.26	20.80	20.04	20.05	19.95	20.50
3GPP Rel 6	HSDPA Subtest-2	19.85	20.12	20.01	20.80	19.86	19.99	19.87	20.50
3GPP Rel 6	HSDPA Subtest-3	19.37	19.58	19.40	20.10	19.55	19.57	19.37	20.00
3GPP Rel 6	HSDPA Subtest-4	19.45	19.50	19.50	20.10	19.42	19.61	19.33	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.96	20.29	20.18	20.80	19.90	20.00	19.83	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.09	20.33	20.24	20.80	19.94	19.91	20.08	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.43	19.60	19.57	20.10	19.28	19.49	19.36	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.63	19.58	19.50	20.10	19.32	19.45	19.04	20.00
3GPP Rel 6	HSUPA Subtest-1	20.18	20.28	20.05	20.80	20.17	20.01	19.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.00	17.00	16.86	17.60	17.91	18.04	17.86	18.50
3GPP Rel 6	HSUPA Subtest-3	18.04	18.02	17.88	18.60	18.90	19.02	18.88	19.50
3GPP Rel 6	HSUPA Subtest-4	16.97	17.07	16.86	17.60	18.09	18.17	18.03	18.50
3GPP Rel 6	HSUPA Subtest-5	20.10	20.45	20.24	20.80	19.70	20.06	19.98	20.50



GSM850 Ant 2 DS11

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	128	169	251		128	169	251	
Frequency (MHz)	224.2	235.4	248.3		224.2	235.4	248.3	
GSM 1 Tx slot	28.10	28.00	28.32	29.20	19.10	19.00	19.32	20.20
GPRS 1 Tx slot	28.06	27.94	28.23	29.20	19.06	18.94	19.23	20.20
GPRS 2 Tx slots	24.86	24.87	25.05	26.20	18.86	18.87	19.05	20.20
GPRS 3 Tx slots	23.18	23.17	23.39	24.40	18.92	18.91	19.13	20.14
GPRS 4 Tx slots	22.25	22.54	22.24	23.20	19.25	19.54	19.24	20.20
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DS11

Band	WCDMA V			Tune-up Limit (dBm)	
	4192	4162	4233		
TX Channel	4192	4162	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.60	21.73	21.88	22.70
3GPP Rel 99	RMC 12.2Kbps	21.70	21.90	21.76	22.70
3GPP Rel 6	HSDPA Subtest-1	18.70	18.69	18.52	19.70
3GPP Rel 6	HSDPA Subtest-2	18.70	18.83	18.60	19.70
3GPP Rel 6	HSDPA Subtest-3	20.20	20.36	20.15	21.20
3GPP Rel 6	HSDPA Subtest-4	20.20	20.29	20.21	21.20
3GPP Rel 8	DC-HSDPA Subtest-1	18.70	18.78	18.71	19.70
3GPP Rel 8	DC-HSDPA Subtest-2	18.70	19.05	18.99	19.70
3GPP Rel 8	DC-HSDPA Subtest-3	20.20	20.41	20.14	21.20
3GPP Rel 8	DC-HSDPA Subtest-4	20.20	20.27	20.33	21.20
3GPP Rel 6	HSUPA Subtest-1	18.70	18.86	18.62	19.70
3GPP Rel 6	HSUPA Subtest-2	16.70	16.83	16.63	17.70
3GPP Rel 6	HSUPA Subtest-3	17.70	17.98	17.63	18.70
3GPP Rel 6	HSUPA Subtest-4	16.70	16.81	16.52	17.70
3GPP Rel 6	HSUPA Subtest-5	18.70	18.88	18.83	19.70

Band 7 ENDC Ant 5 DSI11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.03	17.34	17.07	18.7	0
20	QPSK	1	49	17.21	17.12	17.17		
20	QPSK	1	99	17.10	17.05	17.08		
20	QPSK	50	0	17.16	17.32	17.24	18.7	0
20	QPSK	50	24	17.00	17.11	17.17		
20	QPSK	50	50	17.19	17.12	17.01		
20	QPSK	100	0	17.18	17.19	17.00	18.7	0
20	16QAM	1	0	17.05	17.31	17.16		
20	16QAM	1	49	17.15	17.16	17.16		
20	16QAM	1	99	17.30	17.15	17.23	18.7	0
20	16QAM	50	0	17.02	17.28	17.12		
20	16QAM	50	24	16.90	17.14	16.91		
20	16QAM	50	50	17.15	17.17	16.96	18.7	0
20	16QAM	100	0	17.23	17.14	17.22		
20	64QAM	1	0	16.96	17.04	17.18		
20	64QAM	1	49	17.26	16.99	17.25	18.7	0
20	64QAM	1	99	17.24	17.15	17.18		
20	64QAM	50	0	17.10	17.28	17.29		
20	64QAM	50	24	17.12	16.89	17.16	18.7	0
20	64QAM	50	50	17.06	17.04	17.28		
20	64QAM	100	0	17.05	17.14	16.93		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.88	17.24	16.93	18.7	0
15	QPSK	1	37	17.08	17.03	17.08		
15	QPSK	1	74	17.03	16.91	17.02		
15	QPSK	36	0	17.07	17.27	17.15	18.7	0
15	QPSK	36	20	16.93	17.01	17.05		
15	QPSK	36	39	17.09	16.97	16.87		
15	QPSK	75	0	17.05	17.12	16.91	18.7	0
15	16QAM	1	0	16.94	17.21	17.10		
15	16QAM	1	37	17.01	17.08	17.02		
15	16QAM	1	74	17.25	17.07	17.11	18.7	0
15	16QAM	36	0	16.89	17.18	16.97		
15	16QAM	36	20	16.82	17.02	16.81		
15	16QAM	36	39	17.06	17.11	16.86	18.7	0
15	16QAM	75	0	17.16	17.07	17.16		
15	64QAM	1	0	16.89	16.96	17.12		
15	64QAM	1	37	17.21	16.88	17.14	18.7	0
15	64QAM	1	74	17.17	17.06	17.12		
15	64QAM	36	0	16.97	17.13	17.22		
15	64QAM	36	20	17.04	16.75	17.09	18.7	0
15	64QAM	36	39	16.91	16.92	17.19		
15	64QAM	75	0	16.91	17.05	16.95		
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.91	17.23	17.00	18.7	0
10	QPSK	1	25	17.12	17.03	17.09		
10	QPSK	1	49	17.04	16.98	16.99		
10	QPSK	25	0	17.01	17.25	17.13	18.7	0
10	QPSK	25	12	16.90	17.04	17.09		
10	QPSK	25	25	17.09	17.04	16.86		
10	QPSK	50	0	17.12	17.09	16.93	18.7	0
10	16QAM	1	0	16.97	17.18	17.04		
10	16QAM	1	25	17.02	17.05	17.06		
10	16QAM	1	49	17.20	17.09	17.16	18.7	0
10	16QAM	25	0	16.93	17.21	17.03		
10	16QAM	25	12	16.82	17.00	16.77		
10	16QAM	25	25	17.03	17.03	16.82	18.7	0
10	16QAM	50	0	17.14	17.00	17.08		
10	64QAM	1	0	16.91	16.93	17.09		
10	64QAM	1	25	17.19	16.90	17.15	18.7	0
10	64QAM	1	49	17.18	17.00	17.12		
10	64QAM	25	0	16.97	17.15	17.21		
10	64QAM	25	12	17.02	16.80	17.08	18.7	0
10	64QAM	25	25	16.96	16.98	17.18		
10	64QAM	50	0	16.93	17.00	16.84		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.93	17.25	16.97	18.7	0
5	QPSK	1	12	17.13	17.01	17.09		
5	QPSK	1	24	17.01	17.00	16.98		
5	QPSK	12	0	17.05	17.23	17.16	18.7	0
5	QPSK	12	7	16.85	16.96	17.08		
5	QPSK	12	13	17.06	17.06	16.96		
5	QPSK	25	0	17.12	17.05	16.86	18.7	0
5	16QAM	1	0	16.96	17.20	17.08		
5	16QAM	1	12	17.01	17.08	17.10		
5	16QAM	1	24	17.20	17.03	17.10	18.7	0
5	16QAM	12	0	16.94	17.15	17.01		
5	16QAM	12	7	16.76	17.05	16.81		
5	16QAM	12	13	17.08	17.11	16.91	18.7	0
5	16QAM	25	0	17.09	17.05	17.11		
5	64QAM	1	0	16.82	16.90	17.07		
5	64QAM	1	12	17.12	16.84	17.12	18.7	0
5	64QAM	1	24	17.18	17.04	17.05		
5	64QAM	12	0	17.02	17.20	17.22		
5	64QAM	12	7	16.98	16.78	17.03	18.7	0
5	64QAM	12	13	16.96	16.89	17.19		
5	64QAM	25	0	16.93	17.06	16.86		



GSM1900 Ant 6 DSI11

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.78	23.80	23.78	25.30	14.78	14.80	14.78	16.30
GPRS 1 Tx slots	23.74	23.54	23.85	25.30	14.74	14.54	14.65	16.30
GPRS 2 Tx slots	20.75	20.58	20.62	22.30	14.75	14.58	14.62	16.30
GPRS 3 Tx slots	18.70	18.61	18.65	20.50	14.44	14.35	14.39	16.24
GPRS 4 Tx slots	17.38	17.50	17.45	19.30	14.38	14.50	14.45	16.30
EDGE 1 Tx slot	23.80	23.51	23.57	25.30	14.80	14.51	14.57	16.30
EDGE 2 Tx slot	20.53	20.43	20.37	22.30	14.53	14.43	14.37	16.30
EDGE 3 Tx slots	18.70	18.53	18.70	20.50	14.44	14.27	14.44	16.24
EDGE 4 Tx slots	17.59	17.37	17.34	19.30	14.59	14.37	14.34	16.30

WCDMA II Ant 6 DSI11

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1758	
Frequency (MHz)	1852.4	1880	1927.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	18.42	18.51	18.34	19.60	20.22	20.15	20.10	21.30
3GPP Rel 99 RMC 12.2Kbps	18.51	18.60	18.41	19.60	20.21	20.31	20.27	21.30
3GPP Rel 6 HSDPA Subtest-1	17.66	17.75	17.49	18.80	19.23	19.26	19.04	20.30
3GPP Rel 6 HSDPA Subtest-2	17.59	17.72	17.38	18.80	19.21	19.24	19.28	20.30
3GPP Rel 6 HSDPA Subtest-3	17.00	17.10	16.81	18.10	18.70	18.89	18.62	19.80
3GPP Rel 6 HSDPA Subtest-4	16.76	16.94	17.01	18.10	18.91	19.08	19.00	19.80
3GPP Rel 8 DC-HSDPA Subtest-1	17.63	17.89	17.66	18.80	19.14	19.28	19.22	20.30
3GPP Rel 8 DC-HSDPA Subtest-2	17.44	17.38	17.40	18.80	19.34	19.32	19.14	20.30
3GPP Rel 8 DC-HSDPA Subtest-3	16.74	17.06	16.72	18.10	18.81	18.74	18.90	19.80
3GPP Rel 8 DC-HSDPA Subtest-4	16.84	16.71	16.63	18.10	18.87	18.70	18.51	19.80
3GPP Rel 6 HSUPA Subtest-1	17.64	17.78	17.63	18.80	19.36	19.31	19.32	20.30
3GPP Rel 6 HSUPA Subtest-2	14.43	14.45	14.38	15.60	17.32	17.36	17.33	18.30
3GPP Rel 6 HSUPA Subtest-3	15.37	15.56	15.53	16.60	18.22	18.31	18.17	19.30
3GPP Rel 6 HSUPA Subtest-4	14.41	14.49	14.48	15.60	17.18	17.28	17.04	18.30
3GPP Rel 6 HSUPA Subtest-5	17.46	17.78	17.57	18.80	19.21	19.25	19.45	20.30

Reduced Power Level for DSI 13

GSM850 Ant 0 DSI13								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	31.30	20.94	20.88	21.02	22.30
GSM 1 Tx slot	29.94	29.88	30.02	31.30	20.94	20.88	21.02	22.30
GPRS 1 Tx slot	29.86	29.81	29.93	31.30	20.86	20.81	20.93	22.30
GPRS 2 Tx slots	26.58	26.66	26.71	28.30	20.58	20.66	20.71	22.30
GPRS 3 Tx slots	24.98	25.08	25.16	28.50	20.72	20.82	20.90	22.24
GPRS 4 Tx slots	24.10	24.11	24.07	25.30	21.10	21.11	21.07	22.30
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI13				
Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.61	21.78	21.66	22.30
3GPP Rel 99 RMC 12.2Kbps	21.72	21.81	21.76	22.30
3GPP Rel 6 HSDPA Subtest-1	17.08	18.16	18.03	19.30
3GPP Rel 6 HSDPA Subtest-2	18.06	18.18	18.10	19.30
3GPP Rel 6 HSDPA Subtest-3	19.64	19.61	19.55	20.80
3GPP Rel 6 HSDPA Subtest-4	19.46	19.71	19.54	20.80
3GPP Rel 8 DC-HSDPA Subtest-1	17.98	18.32	18.05	19.30
3GPP Rel 8 DC-HSDPA Subtest-2	18.03	18.20	18.14	19.30
3GPP Rel 8 DC-HSDPA Subtest-3	19.48	19.68	19.65	20.80
3GPP Rel 8 DC-HSDPA Subtest-4	19.55	19.65	19.70	20.80
3GPP Rel 6 HSUPA Subtest-1	18.04	18.09	18.05	19.30
3GPP Rel 6 HSUPA Subtest-2	15.91	16.22	16.13	17.30
3GPP Rel 6 HSUPA Subtest-3	16.95	17.27	17.18	18.30
3GPP Rel 6 HSUPA Subtest-4	15.98	16.07	16.04	17.30
3GPP Rel 6 HSUPA Subtest-5	18.01	18.10	18.19	19.30



GSM1900 Ant 1 DS13

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.51	26.35	26.44	27.80	17.51	17.35	17.44	18.80
GPRS 1 Tx slot	25.44	25.29	26.38	27.80	17.44	17.29	17.38	18.80
GPRS 2 Tx slots	24.19	24.14	24.35	24.80	18.19	18.14	18.35	18.80
GPRS 3 Tx slots	22.08	21.96	22.12	23.00	17.82	17.70	17.86	18.74
GPRS 4 Tx slots	19.95	20.12	20.03	21.80	16.95	17.12	17.03	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DS13

WCDMA IV Ant 1 DS13

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1823.4	1880	1927.6		1712.4	1722.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	19.96	20.07	20.03	20.90	19.96	20.04	19.88	20.80
3GPP Rel 99	RMC 12.2Kbps	20.12	20.16	20.11	20.90	20.10	20.12	20.01	20.80
3GPP Rel 6	HSDPA Subtest-1	19.28	19.38	19.53	20.10	19.32	19.29	19.20	19.80
3GPP Rel 6	HSDPA Subtest-2	19.30	19.49	19.28	20.10	19.16	19.35	19.16	19.80
3GPP Rel 6	HSDPA Subtest-3	18.73	18.80	18.76	19.40	18.91	18.97	18.68	19.30
3GPP Rel 6	HSDPA Subtest-4	18.77	18.71	18.80	19.40	18.71	18.93	18.70	19.30
3GPP Rel 8	DC-HSDPA Subtest-1	19.27	19.58	19.49	20.10	19.07	19.42	19.20	19.80
3GPP Rel 8	DC-HSDPA Subtest-2	19.30	19.68	19.46	20.10	19.21	19.18	19.40	19.80
3GPP Rel 8	DC-HSDPA Subtest-3	18.81	18.84	18.83	19.40	18.63	18.71	18.65	19.30
3GPP Rel 8	DC-HSDPA Subtest-4	18.89	19.00	18.76	19.40	18.63	18.85	18.37	19.30
3GPP Rel 6	HSUPA Subtest-1	19.52	19.49	19.34	20.10	19.41	19.38	19.31	19.80
3GPP Rel 6	HSUPA Subtest-2	16.21	16.25	16.15	16.90	17.18	17.26	17.10	17.80
3GPP Rel 6	HSUPA Subtest-3	17.30	17.22	17.20	17.90	18.22	18.35	18.24	18.80
3GPP Rel 6	HSUPA Subtest-4	16.36	16.31	16.22	16.90	17.35	17.41	17.30	17.80
3GPP Rel 6	HSUPA Subtest-5	19.42	19.69	19.62	20.10	19.01	19.30	19.15	19.80



GSM850 Ant 2 DSI13

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.44	27.51	27.66	28.50	18.44	18.51	18.66	19.50
GPRS 1 Tx slot	27.40	27.35	27.59	28.50	18.40	18.35	18.59	19.50
GPRS 2 Tx slots	24.41	24.32	24.50	25.50	18.41	18.32	18.50	19.50
GPRS 3 Tx slots	22.78	22.65	22.89	23.70	18.52	18.39	18.63	19.44
GPRS 4 Tx slots	21.62	21.75	21.73	22.50	18.62	18.75	18.73	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSI13

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	824.4	836.4	848.6	
3GPP Rel 99 AMR 12.2Kbps	19.45	19.53	19.43	20.50
3GPP Rel 99 RMC 12.2Kbps	19.55	19.70	19.55	20.50
3GPP Rel 6 HSDPA Subtest-1	16.52	16.54	16.44	17.50
3GPP Rel 6 HSDPA Subtest-2	16.45	16.63	16.27	17.50
3GPP Rel 6 HSDPA Subtest-3	18.04	18.24	17.88	19.00
3GPP Rel 6 HSDPA Subtest-4	17.98	18.11	18.03	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	16.45	16.39	16.38	17.50
3GPP Rel 8 DC-HSDPA Subtest-2	16.43	16.84	16.80	17.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.90	18.16	17.98	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	17.90	18.13	18.01	19.00
3GPP Rel 6 HSUPA Subtest-1	16.44	16.67	16.35	17.50
3GPP Rel 6 HSUPA Subtest-2	14.49	14.64	14.32	15.50
3GPP Rel 6 HSUPA Subtest-3	15.43	15.92	15.56	16.50
3GPP Rel 6 HSUPA Subtest-4	14.47	14.55	14.46	15.50
3GPP Rel 6 HSUPA Subtest-5	16.58	16.68	16.53	17.50



Band 7 ENDC Ant 5 DSI13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	13.21	13.39	13.34	14.9	0		
20	QPSK	1	49	13.18	13.33	13.23				
20	QPSK	1	99	13.26	13.38	13.35				
20	QPSK	50	0	13.28	13.36	13.24	14.9	0		
20	QPSK	50	24	13.07	13.17	13.10				
20	QPSK	50	50	13.09	13.24	13.19				
20	QPSK	100	0	13.18	13.25	13.18	14.9	0		
20	16QAM	1	0	13.22	13.33	13.20				
20	16QAM	1	49	13.17	13.22	13.15				
20	16QAM	1	99	13.20	13.29	13.17	14.9	0		
20	16QAM	50	0	13.17	13.28	13.17				
20	16QAM	50	24	13.04	13.17	13.13				
20	16QAM	50	50	13.18	13.21	13.15	14.9	0		
20	16QAM	100	0	13.19	13.27	13.15				
20	64QAM	1	0	13.11	13.26	13.21				
20	64QAM	1	49	13.28	13.36	13.26	14.9	0		
20	64QAM	1	99	13.07	13.20	13.11				
20	64QAM	50	0	13.13	13.24	13.10				
20	64QAM	50	24	13.11	13.20	13.10	14.9	0		
20	64QAM	50	50	13.27	13.31	13.21				
20	64QAM	100	0	13.08	13.19	13.06				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	13.16	13.36	13.22	14.9	0		
15	QPSK	1	37	13.10	13.20	13.14				
15	QPSK	1	74	13.16	13.34	13.31				
15	QPSK	36	0	13.13	13.29	13.12	14.9	0		
15	QPSK	36	20	13.01	13.10	12.99				
15	QPSK	36	39	12.99	13.16	13.08				
15	QPSK	75	0	13.11	13.15	13.13	14.9	0		
15	16QAM	1	0	13.13	13.22	13.07				
15	16QAM	1	37	13.04	13.08	13.10				
15	16QAM	1	74	13.09	13.21	13.10	14.9	0		
15	16QAM	36	0	13.04	13.19	13.08				
15	16QAM	36	20	13.01	13.05	13.06				
15	16QAM	36	39	13.13	13.10	13.04	14.9	0		
15	16QAM	75	0	13.13	13.24	13.09				
15	64QAM	1	0	12.98	13.15	13.12				
15	64QAM	1	37	13.17	13.24	13.14	14.9	0		
15	64QAM	1	74	13.03	13.15	13.02				
15	64QAM	36	0	13.05	13.16	13.02				
15	64QAM	36	20	12.98	13.06	13.00	14.9	0		
15	64QAM	36	39	13.15	13.21	13.13				
15	64QAM	75	0	12.98	13.11	13.03				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	13.15	13.27	13.23	14.9	0		
10	QPSK	1	25	13.04	13.22	13.12				
10	QPSK	1	49	13.18	13.31	13.27				
10	QPSK	25	0	13.19	13.25	13.14	14.9	0		
10	QPSK	25	12	13.04	13.11	13.00				
10	QPSK	25	25	13.02	13.20	13.05				
10	QPSK	50	0	13.14	13.20	13.10	14.9	0		
10	16QAM	1	0	13.12	13.21	13.06				
10	16QAM	1	25	13.10	13.12	13.11				
10	16QAM	1	49	13.16	13.17	13.12	14.9	0		
10	16QAM	25	0	13.03	13.15	13.13				
10	16QAM	25	12	12.93	13.08	12.99				
10	16QAM	25	25	13.05	13.07	13.10	14.9	0		
10	16QAM	50	0	13.13	13.23	13.04				
10	64QAM	1	0	13.07	13.20	13.15				
10	64QAM	1	25	13.18	13.26	13.12	14.9	0		
10	64QAM	1	49	13.04	13.09	13.00				
10	64QAM	25	0	13.08	13.18	13.06				
10	64QAM	25	12	13.05	13.08	13.03	14.9	0		
10	64QAM	25	25	13.19	13.19	13.10				
10	64QAM	50	0	12.94	13.13	12.98				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	13.09	13.28	13.30	14.9	0		
5	QPSK	1	12	13.04	13.20	13.11				
5	QPSK	1	24	13.14	13.29	13.22				
5	QPSK	12	0	13.21	13.28	13.13	14.9	0		
5	QPSK	12	7	13.01	13.13	12.97				
5	QPSK	12	13	13.03	13.15	13.08				
5	QPSK	25	0	13.07	13.19	13.07	14.9	0		
5	16QAM	1	0	13.15	13.26	13.11				
5	16QAM	1	12	13.04	13.09	13.03				
5	16QAM	1	24	13.11	13.22	13.03	14.9	0		
5	16QAM	12	0	13.11	13.25	13.11				
5	16QAM	12	7	12.95	13.04	13.06				
5	16QAM	12	13	13.07	13.16	13.05	14.9	0		
5	16QAM	25	0	13.05	13.18	13.02				
5	64QAM	1	0	13.00	13.18	13.12				
5	64QAM	1	12	13.20	13.29	13.12	14.9	0		
5	64QAM	1	24	13.01	13.15	12.99				
5	64QAM	12	0	13.07	13.21	13.02				
5	64QAM	12	7	12.97	13.12	13.02	14.9	0		
5	64QAM	12	13	13.17	13.27	13.12				
5	64QAM	25	0	12.98	13.13	12.99				



GSM1900 Ant 6 DSH13

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1880	1907.3		1852.2	1880	1907.3	
GSM 1 Tx slot	22.62	22.41	22.69	24.10	13.62	13.41	13.69	15.10
GPRS 1 Tx slots	22.55	22.65	22.56	24.10	13.55	13.65	13.56	15.10
GPRS 2 Tx slots	19.59	19.43	19.51	21.10	13.59	13.43	13.51	15.10
GPRS 3 Tx slots	17.87	17.57	17.58	19.30	13.61	13.31	13.32	15.04
GPRS 4 Tx slots	16.56	16.70	16.46	18.10	13.56	13.70	13.46	15.10
EDGE 1 Tx slot	22.68	22.29	22.41	24.10	13.68	13.29	13.41	15.10
EDGE 2 Tx slots	19.64	19.40	19.47	21.10	13.64	13.40	13.47	15.10
EDGE 3 Tx slots	17.64	17.67	17.85	19.30	13.58	13.41	13.59	15.04
EDGE 4 Tx slots	16.56	16.28	16.38	18.10	13.56	13.28	13.38	15.10

WCDMA II Ant 6 DSH13

WCDMA IV Ant 6 DSH13

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1637	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	12.79	12.80	12.65	14.00	16.38	16.44	16.32	17.50
3GPP Rel 99	RMC 12.2Kbps	12.87	12.92	12.78	14.00	16.45	16.57	16.51	17.50
3GPP Rel 6	HSDPA Subtest-1	12.01	12.11	11.78	13.20	15.37	15.40	15.21	16.50
3GPP Rel 6	HSDPA Subtest-2	11.90	11.98	11.72	13.20	15.27	15.39	15.30	16.50
3GPP Rel 6	HSDPA Subtest-3	11.27	11.34	11.06	12.50	14.86	14.96	14.68	16.00
3GPP Rel 6	HSDPA Subtest-4	11.03	11.29	11.32	12.50	14.95	15.11	15.15	16.00
3GPP Rel 8	DC-HSDPA Subtest-1	12.03	12.15	11.96	13.20	15.14	15.45	15.40	16.50
3GPP Rel 8	DC-HSDPA Subtest-2	11.70	11.76	11.74	13.20	15.36	15.42	15.30	16.50
3GPP Rel 8	DC-HSDPA Subtest-3	11.13	11.29	11.03	12.50	14.91	14.81	15.02	16.00
3GPP Rel 8	DC-HSDPA Subtest-4	11.10	11.10	10.99	12.50	14.91	14.82	14.56	16.00
3GPP Rel 6	HSUPA Subtest-1	11.87	12.15	11.95	13.20	15.44	15.44	15.39	16.50
3GPP Rel 6	HSUPA Subtest-2	8.73	8.67	8.59	10.00	13.40	13.44	13.33	14.50
3GPP Rel 6	HSUPA Subtest-3	9.67	9.87	9.83	11.00	14.35	14.45	14.22	15.50
3GPP Rel 6	HSUPA Subtest-4	8.78	8.77	8.78	10.00	13.31	13.36	13.21	14.50
3GPP Rel 6	HSUPA Subtest-5	11.87	12.04	11.88	13.20	15.26	15.37	15.51	16.50



Uplink CA Power

Ant 1 DSI 1

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	21.95	23.10
21100	21298	QPSK	1	99	1	0	2	0	22.06	23.10
21350	21152	QPSK	1	0	1	99	2	0	21.90	23.10

Ant1 DSI 1

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	23.46	24.30
37901	38099	QPSK	1	99	1	0	2	0	23.52	24.30
38150	37952	QPSK	1	0	1	99	2	0	23.41	24.30

Ant 1 DSI 3

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	21.88	22.90
21100	21298	QPSK	1	99	1	0	2	0	21.93	22.90
21350	21152	QPSK	1	0	1	99	2	0	21.81	22.90

Ant1 DSI 3

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	22.68	23.50
37901	38099	QPSK	1	99	1	0	2	0	22.71	23.50
38150	37952	QPSK	1	0	1	99	2	0	22.64	23.50

Ant 1 DSI 13

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	18.69	19.70
21100	21298	QPSK	1	99	1	0	2	0	18.67	19.70
21350	21152	QPSK	1	0	1	99	2	0	18.55	19.70

Ant1 DSI 13

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	19.49	20.30
37901	38099	QPSK	1	99	1	0	2	0	19.55	20.30
38150	37952	QPSK	1	0	1	99	2	0	19.45	20.30

Ant 6 DSI 1

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	14.82	15.90
21100	21298	QPSK	1	99	1	0	2	0	14.77	15.90
21350	21152	QPSK	1	0	1	99	2	0	14.85	15.90

Ant6 DSI 1

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	16.96	18.10
37901	38099	QPSK	1	99	1	0	2	0	17.08	18.10
38150	37952	QPSK	1	0	1	99	2	0	16.97	18.10

Ant 6 DSI 3

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	17.92	19.10
21100	21298	QPSK	1	99	1	0	2	0	17.68	19.10
21350	21152	QPSK	1	0	1	99	2	0	17.95	19.10

Ant6 DSI 3

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	19.28	20.30
37901	38099	QPSK	1	99	1	0	2	0	19.41	20.30
38150	37952	QPSK	1	0	1	99	2	0	19.21	20.30

Ant 6 DSI 13

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	11.53	12.70
21100	21298	QPSK	1	99	1	0	2	0	11.58	12.70
21350	21152	QPSK	1	0	1	99	2	0	11.56	12.70

Ant6 DSI 13

CA_38C										
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				
37850	38048	QPSK	1	99	1	0	2	0	13.80	14.90
37901	38099	QPSK	1	99	1	0	2	0	13.90	14.90
38150	37952	QPSK	1	0	1	99	2	0	13.74	14.90



Ant1 DS11

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.21	24.3
40185	40383	QPSK	1	99	1	0	2	0	23.16	24.3
40620	40818	QPSK	1	99	1	0	2	0	23.37	24.3
41055	41253	QPSK	1	99	1	0	2	0	23.32	24.3
41490	41292	QPSK	1	0	1	99	2	0	23.11	24.3

Ant1 DS13

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	22.22	23.5
40185	40383	QPSK	1	99	1	0	2	0	22.38	23.5
40620	40818	QPSK	1	99	1	0	2	0	22.45	23.5
41055	41253	QPSK	1	99	1	0	2	0	22.31	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.42	23.5

Ant1 DS113

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.18	20.3
40185	40383	QPSK	1	99	1	0	2	0	19.03	20.3
40620	40818	QPSK	1	99	1	0	2	0	19.26	20.3
41055	41253	QPSK	1	99	1	0	2	0	19.13	20.3
41490	41292	QPSK	1	0	1	99	2	0	19.22	20.3

Ant6 DS11

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	16.78	18.1
40185	40383	QPSK	1	99	1	0	2	0	16.81	18.1
40620	40818	QPSK	1	99	1	0	2	0	16.98	18.1
41055	41253	QPSK	1	99	1	0	2	0	16.69	18.1
41490	41292	QPSK	1	0	1	99	2	0	16.85	18.1

Ant6 DS13

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.06	20.3
40185	40383	QPSK	1	99	1	0	2	0	19.12	20.3
40620	40818	QPSK	1	99	1	0	2	0	19.23	20.3
41055	41253	QPSK	1	99	1	0	2	0	19.11	20.3
41490	41292	QPSK	1	0	1	99	2	0	18.98	20.3

Ant6 DS113

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	13.66	14.9
40185	40383	QPSK	1	99	1	0	2	0	13.75	14.9
40620	40818	QPSK	1	99	1	0	2	0	13.82	14.9
41055	41253	QPSK	1	99	1	0	2	0	13.68	14.9
41490	41292	QPSK	1	0	1	99	2	0	13.8	14.9



Downlink CA Power

2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.70	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.17	23.18
CA_5B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		24.46	24.57
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		24.24	24.31
CA_12B	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	712.3	5143		24.74	24.76
	Band 12	Ant2	5M	707.5	23095	QPSK	1	0		Band 12	5M	712.3	5143		24.32	24.45
CA_38C	Band 38	Ant1	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2610	38150	4xMIMO	23.53	23.75
	Band 38	Ant6	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2610	38150	4xMIMO	22.59	22.61
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	24.05	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	23.26	23.28
CA_4A-4A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		23.11	23.25
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.42	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.39	22.49
CA_2A-5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.66	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.12	23.18
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.43	24.57
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.13	24.31
CA_2A-12A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		23.75	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		23.02	23.18
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		24.64	24.76
	Band 12	Ant2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		24.28	24.45
CA_2A-66A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66866	4xMIMO	23.66	23.82
	Band 2	Ant6	10M	1880	18900	QPSK	1	0		Band 66	10M	2155	66866	4xMIMO	23.05	23.18
Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		24.01	24.08	
	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.17	23.28	
CA_4A-5A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.20	23.25
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.53	24.57
CA_4A-12A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.12	24.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		23.88	23.95
CA_4A-17A	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		23.11	23.25
	Band 4	Ant1	10M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		23.87	23.95
CA_5A-38A	Band 4	Ant6	10M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		23.12	23.25
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4xMIMO	24.42	24.57
CA_5A-38A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4xMIMO	24.20	24.31
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.39	24.57
CA_5A-41A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.25	24.31
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		23.52	23.59
CA_7A-26A	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.36	22.49
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.56	24.61
Band 26	Ant2	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.27	24.38	



3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	Power		
	Band	Ant	(MHz)	Freq (MHz)	Channel	Mod.	RB		RB Offset	Band	(MHz)	Freq (MHz)		Channel	Band	(MHz)	Freq (MHz)		Channel	Tx Power (dBm)	Tx Power (dBm)
CA_5A_7A_7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.31	24.49	
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.29	24.31	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	23.44	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.38	22.49
CA_2A_7A_7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.76	23.82	
	Band 2	Ant6	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.10	23.18	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	23.47	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.38	22.49
CA_41D	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.6	40816	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	23.74	23.83
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.6	40816	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	22.51	22.63
CA_41A_41A_41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	23.65	23.83
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	22.49	22.63
CA_12A-66A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	24.01	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	23.22	23.28



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power			
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL/RB	UL/RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_7C_66A_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.48	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.35	22.49
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.98	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.21	23.28
CA_2A_4A-7C	Band 2	Ant1	20M	1890	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.67	23.82
	Band 2	Ant6	20M	1890	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.13	23.18
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		23.12	23.25
CA_5A_7A_66A_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175		23.51	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175		22.34	22.49
	Band 5	Ant6	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.38	24.49
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.25	24.31
CA_5A_7C_66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	24.08	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.08	23.28
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.53	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.42	22.49
CA_5A_7C_66A	Band 5	Ant6	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.48	24.49
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.21	24.31
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.05	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.09	23.28
CA_5A_7C_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.41	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	22.32	22.49



Full Power level/Default Power level/ Pmax Power Level for 5GNR

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				168800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.06	24.19	24.13	25.7	0.0
20	PI/2 BPSK	1	53	24.03	24.13	24.05		
20	PI/2 BPSK	1	104	24.13	24.24	24.12		
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0
20	PI/2 BPSK	50	56	24.26	24.28	24.18	25.7	0.0
20	PI/2 BPSK	100	0	24.05	24.13	24.02		
20	QPSK	1	1	24.34	24.37	24.23	25.7	0.0
20	QPSK	1	53	24.03	24.18	24.10		
20	QPSK	1	104	24.12	24.07	24.03		
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0
20	QPSK	50	56	24.06	24.11	24.05	25.7	0.0
20	QPSK	100	0	24.13	24.30	24.23		
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0
Channel				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0



n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.78	23.92	23.86	25.5	0.0	
20	PI/2 BPSK	1	53	23.95	24.00	23.98			
20	PI/2 BPSK	1	104	23.92	24.03	23.97			
20	PI/2 BPSK	50	0	23.94	24.06	23.93	25.5	0.0	
20	PI/2 BPSK	50	28	23.92	24.02	23.92	25.5	0.0	
20	PI/2 BPSK	50	56	24.06	24.09	23.96	25.5	0.0	
20	PI/2 BPSK	100	0	23.83	23.93	23.84			
20	QPSK	1	1	24.01	24.12	23.84			
20	QPSK	1	53	23.98	24.10	24.03	25.5	0.0	
20	QPSK	1	104	23.85	23.97	23.85			
20	QPSK	50	0	23.97	24.05	24.02			
20	QPSK	50	28	23.78	23.81	23.72	25.5	0.0	
20	QPSK	50	56	23.75	23.70	23.73	25.5	0.0	
20	QPSK	100	0	23.64	23.77	23.60			
20	16QAM	1	1	23.72	23.79	23.64			
20	64QAM	1	1	23.76	23.72	23.76	25.5	0.0	
20	256QAM	1	1	21.36	21.41	21.34	23.0	2.5	
Channel				501600	507000	512600	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	40	23.86	24.03	23.73	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	26	23.84	23.96	23.70	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	13	23.94	24.00	23.81	25.5	0.0	

n66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.86	23.72	23.89	25.6	0.0	
20	PI/2 BPSK	1	53	23.67	23.68	23.76			
20	PI/2 BPSK	1	104	23.72	23.75	23.89			
20	PI/2 BPSK	50	0	23.70	23.71	23.74	25.6	0.0	
20	PI/2 BPSK	50	28	23.70	23.65	23.63	25.6	0.0	
20	PI/2 BPSK	50	56	23.69	23.73	23.66	25.6	0.0	
20	PI/2 BPSK	100	0	23.64	23.71	23.84			
20	QPSK	1	1	24.05	24.08	23.96			
20	QPSK	1	53	23.65	23.71	23.85	25.6	0.0	
20	QPSK	1	104	23.65	23.66	23.85			
20	QPSK	50	0	23.68	23.72	23.70			
20	QPSK	50	28	23.91	24.04	23.96	25.6	0.0	
20	QPSK	50	56	23.61	23.77	23.88	25.6	0.0	
20	QPSK	100	0	23.92	24.01	23.99			
20	16QAM	1	1	23.86	23.89	23.76			
20	64QAM	1	1	23.63	23.70	23.78	25.6	0.0	
20	256QAM	1	1	21.62	21.67	21.54	23.1	2.5	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	23.89	24.05	23.90	25.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	23.90	23.92	23.86	25.6	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	13	23.91	24.01	23.84	25.6	0.0	



n38 Ant1 Default

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
20	25	21.12	21.26	21.20	22.8	0.0
20	25	21.16	21.20	21.14		
20	25	21.24	21.35	21.19		
20	25	21.23	21.25	21.19	22.8	0.0
20	25	21.14	21.22	21.18	22.8	0.0
20	25	21.12	21.28	21.22	22.6	0.0
20	25	21.21	21.23	21.19		
20	25	21.13	21.37	21.23		
20	25	21.06	21.41	21.16	22.8	0.0
20	25	21.16	21.27	21.15		
20	25	21.08	21.19	21.11	22.8	0.0
20	25	21.28	21.31	21.17	22.8	0.0
20	25	21.05	21.17	21.10	22.8	0.0
20	25	21.08	21.16	21.12	22.8	0.0
20	25	21.02	21.06	21.03	22.8	0.0
20	25	20.81	20.93	20.84	22.8	0.0
20	25	18.88	18.86	18.84	20.3	2.5

PC3 n41 Ant1 Default

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	100	21.11	21.22	21.17	22.8	0.0
100	100	21.13	21.27	21.22		
100	100	21.10	21.17	21.13		
100	100	21.15	21.29	21.14	22.8	0.0
100	100	21.08	21.24	21.16	22.8	0.0
100	100	21.07	21.22	21.10		
100	100	21.20	21.26	21.21	22.8	0.0
100	100	21.43	21.58	21.52		
100	100	21.37	21.49	21.33	22.8	0.0
100	100	21.31	21.37	21.33		
100	100	21.10	21.27	21.12	22.8	0.0
100	100	21.26	21.32	21.19	22.8	0.0
100	100	21.10	21.22	21.19	22.8	0.0
100	100	21.12	21.27	21.18	22.8	0.0
100	100	21.14	21.21	21.12	22.8	0.0
100	100	21.05	21.12	21.05	22.8	0.0
100	100	21.12	21.19	21.08	22.8	0.0
90	90	21.38	21.46	21.40	22.8	0.0
80	80	21.26	21.41	21.49	22.8	0.0
60	60	21.28	21.43	21.40	22.8	0.0
50	50	21.33	21.42	21.45	22.8	0.0
40	40	21.33	21.45	21.45	22.8	0.0
30	30	21.28	21.33	21.40	22.8	0.0
20	20	21.29	21.41	21.41	22.8	0.0

PC2 n41 Ant1 Default

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	100	23.21	23.32	23.19	24.8	0.0
100	100	23.03	23.11	23.02		
100	100	23.19	23.27	23.20		
100	100	23.01	23.16	23.07	24.8	0.0
100	100	23.14	23.27	23.19	24.8	0.0
100	100	23.15	23.21	23.16		
100	100	22.83	23.08	22.99	24.8	0.0
100	100	23.32	23.40	23.27		
100	100	23.04	23.09	23.01	24.8	0.0
100	100	22.99	23.12	22.98		
100	100	22.88	23.08	22.94	24.8	0.0
100	100	23.20	23.25	23.16	24.8	0.0
100	100	23.16	23.22	23.14		
100	100	23.04	23.16	23.07	24.8	0.0
100	100	23.18	23.32	23.20	24.8	0.0
100	100	23.15	23.27	23.21	24.8	0.0
100	100	23.17	23.43	23.23	22.6	2.0
90	90	23.23	23.26	23.19	24.8	0.0
80	80	23.29	23.29	23.15	24.8	0.0
60	60	23.25	23.27	23.12	24.8	0.0
50	50	23.23	23.31	23.20	24.8	0.0
40	40	23.18	23.26	23.12	24.8	0.0
30	30	23.22	23.30	23.34	24.8	0.0
20	20	23.21	23.25	23.20	24.8	0.0



n5 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	841		
20	PI/2 BPSK	1	1	23.81	23.98	23.94	25.7	0.0
20	PI/2 BPSK	1	53	23.94	24.02	23.98		
20	PI/2 BPSK	1	104	23.82	23.90	23.76		
20	PI/2 BPSK	50	0	24.00	24.07	24.00		
20	PI/2 BPSK	50	28	23.86	24.02	23.86		
20	PI/2 BPSK	50	56	23.92	23.94	23.88		
20	PI/2 BPSK	100	0	23.90	24.05	24.03	25.7	0.0
20	QPSK	1	1	24.04	24.12	23.99	25.7	0.0
20	QPSK	1	53	23.85	23.98	23.90		
20	QPSK	1	104	23.72	23.80	23.83		
20	QPSK	50	0	23.76	23.72	23.75		
20	QPSK	50	28	24.02	24.08	24.05		
20	QPSK	50	56	23.89	23.98	23.83		
20	QPSK	100	0	23.74	23.78	23.74	25.7	0.0
20	16QAM	1	1	23.74	23.92	23.83	25.7	0.0
20	64QAM	1	1	24.00	24.08	23.98	25.7	0.0
20	256QAM	1	1	21.34	21.46	21.36	23.2	2.5
Channel				166800	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.86	24.03	23.93	25.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.93	24.00	23.90	25.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.93	23.98	23.84	25.7	0.0



n7 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.69	23.71	23.55	25.5	0.0
20	PI/2 BPSK	1	53	23.63	23.77	23.63		
20	PI/2 BPSK	1	104	23.57	23.65	23.62		
20	PI/2 BPSK	50	0	23.59	23.67	23.53	25.5	0.0
20	PI/2 BPSK	50	28	23.61	23.74	23.59	25.5	0.0
20	PI/2 BPSK	50	56	23.65	23.80	23.78	25.5	0.0
20	PI/2 BPSK	100	0	23.60	23.62	23.59		
20	QPSK	1	1	23.77	23.82	23.71		
20	QPSK	1	53	23.57	23.69	23.66	25.5	0.0
20	QPSK	1	104	23.61	23.75	23.67		
20	QPSK	50	0	23.69	23.78	23.68		
20	QPSK	50	28	23.72	23.75	23.60	25.5	0.0
20	QPSK	50	56	23.64	23.60	23.54	25.5	0.0
20	QPSK	100	0	23.66	23.71	23.63		
20	16QAM	1	1	23.58	23.64	23.61		
20	64QAM	1	1	23.54	23.63	23.61	25.5	0.0
20	256QAM	1	1	21.13	21.24	21.13	23.0	2.5
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	23.65	23.66	23.59	25.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	23.66	23.76	23.53	25.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	23.65	23.65	23.59	25.5	0.0

**n38 Ant5 Default**

Channel	Power	Power	Power	Tune-up limit	MPR
Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.	(dBm)	(dB)	
20 Pi/2 BPSK 1 1 23.67 23.78 23.74 25.5 0.0					
20 Pi/2 BPSK 1 26 23.72 23.84 23.81 25.5 0.0					
20 Pi/2 BPSK 1 49 23.96 23.99 23.88 25.5 0.0					
20 Pi/2 BPSK 25 0 23.65 23.78 23.82 25.5 0.0					
20 Pi/2 BPSK 25 13 23.76 23.88 23.74 25.5 0.0					
20 Pi/2 BPSK 25 26 23.86 23.92 23.84 25.5 0.0					
20 Pi/2 BPSK 60 0 23.72 23.89 23.80 25.5 0.0					
20 QPSK 1 1 23.94 24.03 23.89 25.5 0.0					
20 QPSK 1 26 23.69 23.71 23.54 25.5 0.0					
20 QPSK 1 49 23.84 23.93 23.83 25.5 0.0					
20 QPSK 25 0 23.80 23.87 23.80 25.5 0.0					
20 QPSK 25 13 23.85 23.89 23.74 25.5 0.0					
20 QPSK 25 26 23.69 23.80 23.63 25.5 0.0					
20 QPSK 60 0 23.78 23.92 23.86 25.5 0.0					
20 16QAM 1 1 23.82 23.87 23.70 25.5 0.0					
20 64QAM 1 1 23.57 23.74 23.64 25.5 0.0					
20 256QAM 1 1 21.68 21.71 21.69 23.0 2.5					

PC3 n41 Ant5 Default

Channel	Power	Power	Power	Tune-up limit	MPR
Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.	(dBm)	(dB)	
100 Pi/2 BPSK 1 1 23.84 23.90 23.87 25.5 0.0					
100 Pi/2 BPSK 1 137 23.92 24.05 23.96 25.5 0.0					
100 Pi/2 BPSK 1 271 23.90 23.98 23.82 25.5 0.0					
100 Pi/2 BPSK 135 0 23.99 24.02 23.99 25.5 0.0					
100 Pi/2 BPSK 135 69 24.01 24.03 23.98 25.5 0.0					
100 Pi/2 BPSK 135 138 23.88 24.04 23.87 25.5 0.0					
100 Pi/2 BPSK 270 0 23.93 24.01 23.92 25.5 0.0					
100 QPSK 1 1 23.98 24.12 24.00 25.5 0.0					
100 QPSK 1 137 23.84 23.98 23.86 25.5 0.0					
100 QPSK 1 271 23.86 23.90 23.76 25.5 0.0					
100 QPSK 135 0 23.93 24.04 23.92 25.5 0.0					
100 QPSK 135 69 24.05 24.08 23.97 25.5 0.0					
100 QPSK 135 138 23.86 23.92 23.64 25.5 0.0					
100 QPSK 270 0 23.71 23.84 23.69 25.5 0.0					
100 16QAM 1 1 23.85 24.01 23.84 25.5 0.0					
100 64QAM 1 1 23.78 23.87 23.85 25.5 0.0					
100 256QAM 1 1 23.76 23.91 23.87 25.5 0.0					
Channel	510500	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2541	2592.99	2644.98	(dB)	(dB)
90 QPSK 1 123 23.87 23.97 23.91 25.5 0.0					
Channel	507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2638.02	2692.99	2644.99	(dB)	(dB)
80 QPSK 1 109 23.93 24.10 23.87 25.5 0.0					
Channel	505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)	2526	2592.99	2659.98	(dB)	(dB)
60 QPSK 1 81 23.95 24.00 23.82 25.5 0.0					
Channel	504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2521.02	2592.99	2664.99	(dB)	(dB)
50 QPSK 1 67 23.94 24.02 23.84 25.5 0.0					
Channel	503202	518598	535000	Tune-up limit (dBm)	MPR
Frequency (MHz)	2516.01	2592.99	2670	(dB)	(dB)
40 QPSK 1 53 23.85 23.98 23.90 25.5 0.0					
Channel	502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)	2511	2592.99	2674.99	(dB)	(dB)
30 QPSK 1 39 23.80 23.82 23.50 25.5 0.0					
Channel	501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2506.02	2592.99	2679.99	(dB)	(dB)
20 QPSK 1 26 23.91 24.02 23.96 25.5 0.0					

PC2 n41 Ant5 Default

Channel	Power	Power	Power	Tune-up limit	MPR
Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.	(dBm)	(dB)	
100 Pi/2 BPSK 1 1 23.88 24.01 23.89 27.5 0.0					
100 Pi/2 BPSK 1 137 23.98 23.97 23.81 27.5 0.0					
100 Pi/2 BPSK 1 271 23.81 23.98 23.82 27.5 0.0					
100 Pi/2 BPSK 135 0 25.92 26.01 25.93 27.5 0.0					
100 Pi/2 BPSK 135 69 25.96 26.02 25.93 27.5 0.0					
100 Pi/2 BPSK 135 138 25.78 25.93 25.79 27.5 0.0					
100 Pi/2 BPSK 270 0 25.81 25.95 25.85 27.5 0.0					
100 QPSK 1 1 25.90 26.06 25.97 27.5 0.0					
100 QPSK 1 137 25.81 25.93 25.63 27.5 0.0					
100 QPSK 1 271 25.82 25.85 25.81 27.5 0.0					
100 QPSK 135 0 25.69 25.86 25.75 27.5 0.0					
100 QPSK 135 69 25.88 26.01 25.88 27.5 0.0					
100 QPSK 135 138 25.83 25.95 25.67 27.5 0.0					
100 QPSK 270 0 25.59 25.72 25.64 27.5 0.0					
100 16QAM 1 1 25.63 25.79 25.64 27.5 0.0					
100 64QAM 1 1 24.65 24.79 24.71 26.5 1.0					
100 256QAM 1 1 23.76 23.85 23.82 25.5 2.0					
Channel	510500	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2541	2592.99	2644.98	(dB)	(dB)
90 QPSK 1 123 25.70 25.79 25.70 27.5 0.0					
Channel	507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2638.02	2692.99	2644.99	(dB)	(dB)
80 QPSK 1 109 25.74 25.84 25.78 27.5 0.0					
Channel	505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)	2526	2592.99	2659.98	(dB)	(dB)
60 QPSK 1 81 25.74 25.83 25.75 27.5 0.0					
Channel	504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2521.02	2592.99	2664.99	(dB)	(dB)
50 QPSK 1 67 25.69 25.82 25.71 27.5 0.0					
Channel	503202	518598	535000	Tune-up limit (dBm)	MPR
Frequency (MHz)	2516.01	2592.99	2670	(dB)	(dB)
40 QPSK 1 53 25.73 25.83 25.76 27.5 0.0					
Channel	502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)	2511	2592.99	2674.99	(dB)	(dB)
30 QPSK 1 39 25.77 25.90 25.88 27.5 0.0					
Channel	501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)	2506.02	2592.99	2679.99	(dB)	(dB)
20 QPSK 1 26 25.70 25.88 25.71 27.5 0.0					



n7 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.69	23.73	23.61	24.5	0.0	
20	PI/2 BPSK	1	53	23.77	23.87	23.73			
20	PI/2 BPSK	1	104	23.75	23.91	23.75			
20	PI/2 BPSK	50	0	23.27	23.41	23.24	24.5	0.0	
20	PI/2 BPSK	50	28	23.75	23.87	23.70	24.5	0.0	
20	PI/2 BPSK	50	56	23.39	23.45	23.32	24.5	0.0	
20	PI/2 BPSK	100	0	23.30	23.40	23.27	24.5	0.0	
20	QPSK	1	1	23.79	23.97	23.92	24.5	0.0	
20	QPSK	1	53	23.56	23.70	23.64			
20	QPSK	1	104	23.61	23.77	23.68			
20	QPSK	50	0	23.33	23.39	23.35	24.5	0.0	
20	QPSK	50	28	23.78	23.93	23.89	24.5	0.0	
20	QPSK	50	56	23.37	23.42	23.32	24.5	0.0	
20	QPSK	100	0	23.30	23.48	23.40	24.5	0.0	
20	16QAM	1	1	23.63	23.78	23.64	24.5	0.0	
20	64QAM	1	1	23.33	23.47	23.31	24.5	0.0	
20	256QAM	1	1	20.25	20.36	20.21	22.0	2.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	40	23.63	23.88	23.80	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	26	23.70	23.86	23.87	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	13	23.74	23.79	23.81	24.5	0.0	

n66 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.78	23.84	23.70	24.9	0.0	
20	PI/2 BPSK	1	53	23.91	24.08	23.94			
20	PI/2 BPSK	1	104	23.96	24.11	23.94			
20	PI/2 BPSK	50	0	23.86	23.94	23.81	24.9	0.0	
20	PI/2 BPSK	50	28	23.87	23.99	23.84	24.9	0.0	
20	PI/2 BPSK	50	56	24.03	24.07	23.94	24.9	0.0	
20	PI/2 BPSK	100	0	23.90	23.92	23.80	24.9	0.0	
20	QPSK	1	1	23.99	24.14	23.98	24.9	0.0	
20	QPSK	1	53	23.98	24.07	23.94			
20	QPSK	1	104	23.97	24.02	23.93			
20	QPSK	50	0	23.86	23.96	23.81	24.9	0.0	
20	QPSK	50	28	23.91	24.09	24.04	24.9	0.0	
20	QPSK	50	56	23.80	23.97	23.93	24.9	0.0	
20	QPSK	100	0	23.98	24.02	23.86	24.9	0.0	
20	16QAM	1	1	23.98	24.03	23.87	24.9	0.0	
20	64QAM	1	1	23.63	23.97	23.63	24.9	0.0	
20	256QAM	1	1	21.23	21.28	21.18	22.4	2.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.9	0.0	
15	QPSK	1	40	23.89	24.04	23.98	24.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.9	0.0	
10	QPSK	1	26	23.91	24.01	23.93	24.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.9	0.0	
5	QPSK	1	13	23.88	23.99	23.83	24.9	0.0	



n38 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 516000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 522000	MPR (dB)
20	PI2 BPSK	1	1	20.27	20.30	20.32	0.0
20	PI2 BPSK	1	26	20.16	20.22	20.17	0.0
20	PI2 BPSK	1	49	20.32	20.45	20.33	0.0
20	PI2 BPSK	25	0	20.09	20.15	20.05	0.0
20	PI2 BPSK	25	13	20.12	20.27	20.18	0.0
20	PI2 BPSK	25	26	20.17	20.25	20.20	0.0
20	PI2 BPSK	60	0	20.17	20.31	20.21	0.0
20	QPSK	1	1	20.41	20.46	20.43	0.0
20	QPSK	1	26	20.26	20.42	20.13	0.0
20	QPSK	1	49	20.22	20.36	20.25	0.0
20	QPSK	25	0	20.21	20.34	20.28	0.0
20	QPSK	25	13	20.28	20.41	20.30	0.0
20	QPSK	25	26	20.13	20.23	20.16	0.0
20	QPSK	60	0	20.19	20.33	20.23	0.0
20	16QAM	1	1	20.10	20.17	20.11	0.0
20	64QAM	1	1	20.13	20.25	20.18	0.0
20	256QAM	1	1	18.26	18.24	18.14	2.5

PC3 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	20.22	20.36	20.32	0.0
100	PI2 BPSK	1	137	20.35	20.44	20.33	0.0
100	PI2 BPSK	1	271	20.14	20.28	20.18	0.0
100	PI2 BPSK	135	0	20.42	20.45	20.30	0.0
100	PI2 BPSK	135	69	20.34	20.48	20.34	0.0
100	PI2 BPSK	135	138	20.16	20.34	20.29	0.0
100	PI2 BPSK	270	0	20.29	20.37	20.20	0.0
100	QPSK	1	1	20.46	20.51	20.43	0.0
100	QPSK	1	137	20.43	20.35	20.35	0.0
100	QPSK	1	271	20.15	20.20	20.15	0.0
100	QPSK	135	0	20.35	20.39	20.24	0.0
100	QPSK	135	69	20.26	20.41	20.27	0.0
100	QPSK	135	138	20.29	20.38	20.32	0.0
100	QPSK	270	0	20.37	20.38	20.35	0.0
100	16QAM	1	1	20.22	20.30	20.23	0.0
100	64QAM	1	1	20.24	20.41	20.25	0.0
100	256QAM	1	1	20.33	20.38	20.25	0.0
90	QPSK	1	123	20.37	20.47	20.31	0.0
80	QPSK	1	109	20.30	20.40	20.36	0.0
60	QPSK	1	81	20.38	20.42	20.27	0.0
50	QPSK	1	67	20.33	20.49	20.37	0.0
40	QPSK	1	53	20.34	20.46	20.37	0.0
30	QPSK	1	39	20.55	20.46	20.33	0.0
20	QPSK	1	26	20.43	20.45	20.41	0.0

PC2 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	22.27	22.39	22.24	0.0
100	PI2 BPSK	1	137	22.23	22.36	22.22	0.0
100	PI2 BPSK	1	271	22.20	22.27	22.18	0.0
100	PI2 BPSK	135	0	22.29	22.41	22.31	0.0
100	PI2 BPSK	135	69	22.36	22.43	22.28	0.0
100	PI2 BPSK	135	138	22.25	22.44	22.37	0.0
100	PI2 BPSK	270	0	22.31	22.45	22.35	0.0
100	QPSK	1	1	22.45	22.53	22.44	0.0
100	QPSK	1	137	22.43	22.35	22.27	0.0
100	QPSK	1	271	22.13	22.29	22.17	0.0
100	QPSK	135	0	22.31	22.42	22.35	0.0
100	QPSK	135	69	22.35	22.43	22.30	0.0
100	QPSK	135	138	22.24	22.36	22.20	0.0
100	QPSK	270	0	22.16	22.33	22.17	0.0
100	16QAM	1	1	22.26	22.41	22.27	0.0
100	64QAM	1	1	22.15	22.29	22.15	0.0
100	256QAM	1	1	20.42	20.86	20.41	2.0
90	QPSK	1	123	22.17	22.22	22.17	0.0
80	QPSK	1	109	22.17	22.31	22.10	0.0
60	QPSK	1	81	22.21	22.29	22.20	0.0
50	QPSK	1	67	22.15	22.30	22.18	0.0
40	QPSK	1	53	22.17	22.28	22.17	0.0
30	QPSK	1	39	22.20	22.39	22.22	0.0
20	QPSK	1	26	22.18	22.29	22.15	0.0



n38 Ant9 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 516000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 522000	MPR (dB)
20	PI2 BPSK	1	1	21.69	21.83	21.78	0.0
20	PI2 BPSK	1	26	21.60	21.68	21.62	23.3
20	PI2 BPSK	1	49	21.81	21.93	21.80	0.0
20	PI2 BPSK	25	0	21.44	21.59	21.45	23.3
20	PI2 BPSK	25	13	21.66	21.70	21.64	23.3
20	PI2 BPSK	25	26	21.75	21.79	21.64	0.0
20	PI2 BPSK	90	0	21.64	21.69	21.58	23.3
20	QPSK	1	1	21.87	21.97	21.89	0.0
20	QPSK	1	26	21.90	21.96	21.91	23.3
20	QPSK	1	49	21.97	21.71	21.92	0.0
20	QPSK	25	0	21.43	21.57	21.54	23.3
20	QPSK	25	13	21.56	21.77	21.56	23.3
20	QPSK	25	26	21.63	21.70	21.73	0.0
20	QPSK	90	0	21.63	21.69	21.61	23.3
20	16QAM	1	1	21.57	21.59	21.48	23.3
20	64QAM	1	1	21.63	21.68	21.58	23.3
20	256QAM	1	1	19.81	19.86	19.77	20.8

PC3 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	21.76	21.85	21.81	0.0
100	PI2 BPSK	1	137	21.85	21.92	21.84	23.3
100	PI2 BPSK	1	271	21.74	21.82	21.73	0.0
100	PI2 BPSK	135	0	21.87	21.89	21.81	23.3
100	PI2 BPSK	135	69	21.85	21.93	21.87	23.3
100	PI2 BPSK	135	138	21.79	21.86	21.72	0.0
100	PI2 BPSK	270	0	21.68	21.84	21.82	23.3
100	QPSK	1	1	21.94	22.11	21.98	0.0
100	QPSK	1	137	21.90	21.97	21.87	23.3
100	QPSK	1	271	21.81	21.85	21.74	0.0
100	QPSK	135	0	21.68	21.84	21.74	23.3
100	QPSK	135	69	21.81	21.92	21.75	23.3
100	QPSK	135	138	21.74	21.81	21.71	0.0
100	QPSK	270	0	21.79	21.86	21.87	23.3
100	16QAM	1	1	21.82	21.77	21.75	23.3
100	64QAM	1	1	21.66	21.84	21.74	23.3
100	256QAM	1	1	21.94	22.02	21.95	23.3
90	QPSK	1	123	21.89	22.07	21.90	23.3
80	QPSK	1	109	21.86	22.01	21.90	23.3
60	QPSK	1	81	21.82	21.97	21.91	23.3
50	QPSK	1	67	21.91	21.93	21.81	23.3
40	QPSK	1	53	21.84	22.09	21.89	23.3
30	QPSK	1	39	21.90	22.00	22.03	23.3
20	QPSK	1	26	21.86	21.95	21.90	23.3

PC2 n41 Ant9 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	23.59	23.72	23.62	0.0
100	PI2 BPSK	1	137	23.66	23.74	23.60	25.2
100	PI2 BPSK	1	271	23.60	23.68	23.58	0.0
100	PI2 BPSK	135	0	23.60	23.72	23.64	25.2
100	PI2 BPSK	135	69	23.68	23.76	23.65	25.2
100	PI2 BPSK	135	138	23.57	23.67	23.55	0.0
100	PI2 BPSK	270	0	23.61	23.63	23.56	25.2
100	QPSK	1	1	23.79	23.85	23.73	0.0
100	QPSK	1	137	23.73	23.80	23.73	25.2
100	QPSK	1	271	23.63	23.63	23.53	0.0
100	QPSK	135	0	23.69	23.75	23.64	25.2
100	QPSK	135	69	23.65	23.71	23.62	25.2
100	QPSK	135	138	23.60	23.68	23.59	0.0
100	QPSK	270	0	23.59	23.67	23.59	25.2
100	16QAM	1	1	23.58	23.64	23.51	25.2
100	64QAM	1	1	23.51	23.53	23.52	25.2
100	256QAM	1	1	21.75	21.85	21.80	23.2
90	QPSK	1	123	23.57	23.66	23.56	25.2
80	QPSK	1	109	23.58	23.66	23.59	25.2
60	QPSK	1	81	23.61	23.70	23.63	25.2
50	QPSK	1	67	23.59	23.71	23.56	25.2
40	QPSK	1	53	23.60	23.65	23.59	25.2
30	QPSK	1	39	23.62	23.70	23.61	25.2
20	QPSK	1	26	23.59	23.69	23.53	25.2



Reduced Power level for DSI 1

n5 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600			
Frequency (MHz)				831	836.5	839			
20	PI/2 BPSK	1	1	24.06	24.19	24.13	25.7	0.0	
20	PI/2 BPSK	1	53	24.03	24.13	24.05			
20	PI/2 BPSK	1	104	24.13	24.24	24.12			
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0	
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0	
20	PI/2 BPSK	50	56	24.26	24.28	24.18	25.7	0.0	
20	PI/2 BPSK	100	0	24.05	24.13	24.02			
20	QPSK	1	1	24.34	24.37	24.23	25.7	0.0	
20	QPSK	1	53	24.03	24.18	24.10			
20	QPSK	1	104	24.12	24.07	24.03			
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0	
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0	
20	QPSK	50	56	24.06	24.11	24.05	25.7	0.0	
20	QPSK	100	0	24.13	24.30	24.23			
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0	
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0	
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0	
Channel				165800	167300	168600	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0	



n7 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	20.53	20.47	20.55	21.9	0.0	
20	PI/2 BPSK	1	53	20.51	20.69	20.60			
20	PI/2 BPSK	1	104	20.55	20.66	20.56			
20	PI/2 BPSK	50	0	20.42	20.55	20.62	21.9	0.0	
20	PI/2 BPSK	50	28	20.64	20.54	20.51	21.9	0.0	
20	PI/2 BPSK	50	56	20.39	20.55	20.64	21.9	0.0	
20	PI/2 BPSK	100	0	20.44	20.60	20.50			
20	QPSK	1	1	20.68	20.71	20.52	21.9	0.0	
20	QPSK	1	53	20.55	20.51	20.50			
20	QPSK	1	104	20.56	20.47	20.69			
20	QPSK	50	0	20.29	20.59	20.57	21.9	0.0	
20	QPSK	50	28	20.58	20.67	20.66	21.9	0.0	
20	QPSK	50	56	20.40	20.54	20.57	21.9	0.0	
20	QPSK	100	0	20.60	20.66	20.62			
20	16QAM	1	1	20.45	20.52	20.68	21.9	0.0	
20	64QAM	1	1	20.48	20.36	20.60	21.9	0.0	
20	256QAM	1	1	20.43	20.50	20.58	21.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	20.46	20.56	20.43	21.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	20.39	20.52	20.46	21.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	20.41	20.57	20.35	21.9	0.0	

n66 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.86	23.72	23.89	25.6	0.0	
20	PI/2 BPSK	1	53	23.67	23.68	23.76			
20	PI/2 BPSK	1	104	23.72	23.75	23.69			
20	PI/2 BPSK	50	0	23.70	23.71	23.74	25.6	0.0	
20	PI/2 BPSK	50	28	23.70	23.85	23.63	25.6	0.0	
20	PI/2 BPSK	50	56	23.69	23.73	23.66	25.6	0.0	
20	PI/2 BPSK	100	0	23.64	23.71	23.84			
20	QPSK	1	1	24.05	24.08	23.96	25.6	0.0	
20	QPSK	1	53	23.65	23.71	23.85			
20	QPSK	1	104	23.65	23.66	23.85			
20	QPSK	50	0	23.68	23.72	23.70	25.6	0.0	
20	QPSK	50	28	23.91	24.04	23.96	25.6	0.0	
20	QPSK	50	56	23.61	23.77	23.88	25.6	0.0	
20	QPSK	100	0	23.92	24.01	23.99			
20	16QAM	1	1	23.86	23.89	23.76	25.6	0.0	
20	64QAM	1	1	23.63	23.70	23.78	25.6	0.0	
20	256QAM	1	1	21.62	21.67	21.54	23.1	2.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	23.89	24.05	23.90	25.6	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	23.90	23.92	23.86	25.6	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	23.91	24.01	23.84	25.6	0.0	



n38 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	20.15	19.89	20.01	21.4	0.0
20	PI/2 BPSK	1	26	19.95	20.13	20.11		
20	PI/2 BPSK	1	49	19.92	19.92	19.91		
20	PI/2 BPSK	25	0	19.68	19.95	19.90	21.4	0.0
20	PI/2 BPSK	25	13	19.90	19.99	20.04	21.4	0.0
20	PI/2 BPSK	25	26	19.74	19.95	19.99	21.4	0.0
20	PI/2 BPSK	50	0	19.89	20.02	20.07		
20	QPSK	1	1	19.99	20.20	19.96	21.4	0.0
20	QPSK	1	26	20.05	19.98	19.93		
20	QPSK	1	49	19.77	19.92	19.97		
20	QPSK	25	0	19.71	19.99	20.09	21.4	0.0
20	QPSK	25	13	19.91	20.19	19.96	21.4	0.0
20	QPSK	25	26	19.93	19.88	19.78	21.4	0.0
20	QPSK	50	0	19.96	20.06	19.92		
20	16QAM	1	1	19.98	19.99	20.11	21.4	0.0
20	64QAM	1	1	20.08	19.86	20.00	21.4	0.0
20	256QAM	1	1	19.57	19.58	19.67	21.4	0.0

PC2&3 n41 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.44	19.55	19.47	21.4	0.0
100	PI/2 BPSK	1	137	19.46	19.58	19.43		
100	PI/2 BPSK	1	271	19.48	19.45	19.45		
100	PI/2 BPSK	135	0	19.54	19.69	19.54	21.4	0.0
100	PI/2 BPSK	135	69	19.52	19.68	19.56	21.4	0.0
100	PI/2 BPSK	135	138	19.49	19.81	19.49	21.4	0.0
100	PI/2 BPSK	270	0	19.44	19.59	19.46		
100	QPSK	1	1	19.69	19.82	19.65	21.4	0.0
100	QPSK	1	137	19.48	19.67	19.56		
100	QPSK	1	271	19.46	19.49	19.43		
100	QPSK	135	0	19.50	19.62	19.47	21.4	0.0
100	QPSK	135	69	19.50	19.69	19.55	21.4	0.0
100	QPSK	135	138	19.49	19.62	19.51	21.4	0.0
100	QPSK	270	0	19.48	19.65	19.52		
100	16QAM	1	1	19.57	19.69	19.55	21.4	0.0
100	64QAM	1	1	19.48	19.65	19.50	21.4	0.0
100	256QAM	1	1	19.57	19.72	19.54	21.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	19.47	19.49	19.42	21.4	0.0
Channel				507204	518598	529398	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	19.46	19.50	19.44	21.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	19.45	19.53	19.45	21.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	19.48	19.51	19.44	21.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	19.33	19.49	19.34	21.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	19.40	19.33	19.52	21.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	19.43	19.47	19.44	21.4	0.0



n5 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	21.70	21.87	21.83	23.6	0.0
20	PI/2 BPSK	1	53	21.78	21.84	21.78		
20	PI/2 BPSK	1	104	21.65	21.74	21.69		
20	PI/2 BPSK	50	0	21.77	21.91	21.82	23.6	0.0
20	PI/2 BPSK	50	28	21.81	21.85	21.77	23.6	0.0
20	PI/2 BPSK	50	56	21.69	21.76	21.71	23.6	0.0
20	PI/2 BPSK	100	0	21.73	21.89	21.81		
20	QPSK	1	1	22.19	22.23	22.18		
20	QPSK	1	53	21.75	21.82	21.88	23.6	0.0
20	QPSK	1	104	21.75	21.81	21.78		
20	QPSK	50	0	21.90	21.94	21.88		
20	QPSK	50	28	21.98	22.10	21.93	23.6	0.0
20	QPSK	50	56	21.76	21.79	21.61	23.6	0.0
20	QPSK	100	0	21.78	21.88	21.81		
20	16QAM	1	1	21.70	21.81	21.70		
20	64QAM	1	1	21.94	22.07	21.97	23.6	0.0
20	256QAM	1	1	21.93	22.09	22.00	23.6	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.17	22.07	22.05	23.6	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.15	22.13	22.12	23.6	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.16	22.18	22.11	23.6	0.0



n7 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.74	16.81	16.63	18.6	0.0
20	PI/2 BPSK	1	53	16.65	16.89	16.77		
20	PI/2 BPSK	1	104	16.72	16.94	16.79		
20	PI/2 BPSK	50	0	16.72	16.81	16.76	18.6	0.0
20	PI/2 BPSK	50	28	16.67	16.77	16.80	18.6	0.0
20	PI/2 BPSK	50	56	16.87	16.89	16.63	18.6	0.0
20	PI/2 BPSK	100	0	16.71	16.93	16.69		
20	QPSK	1	1	16.71	17.07	16.72		
20	QPSK	1	53	16.85	16.66	16.76	18.6	0.0
20	QPSK	1	104	16.61	16.88	16.66		
20	QPSK	50	0	16.67	16.67	16.73		
20	QPSK	50	28	16.74	16.82	16.79	18.6	0.0
20	QPSK	50	56	16.72	16.82	16.84	18.6	0.0
20	QPSK	100	0	16.59	16.79	16.74		
20	16QAM	1	1	16.88	16.76	16.74		
20	64QAM	1	1	16.65	16.72	16.81	18.6	0.0
20	256QAM	1	1	16.71	16.73	16.83	18.6	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	16.63	16.91	16.63	18.6	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	16.67	17.05	16.70	18.6	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	16.56	17.01	16.55	18.6	0.0



n38 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.00	16.80	16.82	18.6	0.0
20	PI/2 BPSK	1	26	16.97	16.98	16.90		
20	PI/2 BPSK	1	49	17.01	17.09	16.89	18.6	0.0
20	PI/2 BPSK	25	0	16.84	16.82	17.01		
20	PI/2 BPSK	25	13	16.87	16.89	17.00	18.6	0.0
20	PI/2 BPSK	25	26	16.98	17.08	16.80		
20	PI/2 BPSK	50	0	16.89	16.96	17.11	18.6	0.0
20	QPSK	1	1	16.88	17.12	16.92		
20	QPSK	1	26	16.97	17.08	16.90	18.6	0.0
20	QPSK	1	49	17.00	16.99	16.96		
20	QPSK	25	0	16.89	16.95	16.66	18.6	0.0
20	QPSK	25	13	16.83	17.09	16.93		
20	QPSK	25	26	16.91	16.98	16.94	18.6	0.0
20	QPSK	50	0	16.96	17.02	16.93		
20	16QAM	1	1	17.09	17.05	17.00	18.6	0.0
20	64QAM	1	1	16.90	17.01	16.96		
20	256QAM	1	1	16.99	16.85	16.87	18.6	0.0

PC2&3 n41 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.44	16.71	16.51	18.2	0.0
100	PI/2 BPSK	1	137	16.65	16.70	16.64		
100	PI/2 BPSK	1	271	16.55	16.66	16.48	18.2	0.0
100	PI/2 BPSK	135	0	16.68	16.69	16.41		
100	PI/2 BPSK	135	69	16.67	16.65	16.56	18.2	0.0
100	PI/2 BPSK	135	138	16.57	16.82	16.57		
100	PI/2 BPSK	270	0	16.48	16.65	16.52	18.2	0.0
100	QPSK	1	1	16.65	16.76	16.64		
100	QPSK	1	137	16.50	16.66	16.49	18.2	0.0
100	QPSK	1	271	16.52	16.68	16.57		
100	QPSK	135	0	16.59	16.62	16.60	18.2	0.0
100	QPSK	135	69	16.55	16.71	16.57		
100	QPSK	135	138	16.50	16.56	16.56	18.2	0.0
100	QPSK	270	0	16.50	16.70	16.50		
100	16QAM	1	1	16.61	16.58	16.65	18.2	0.0
100	64QAM	1	1	16.54	16.61	16.59		
100	256QAM	1	1	16.59	16.51	16.47	18.2	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.61	16.51	16.63	18.2	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2638.02	2592.99	2649.99		
80	QPSK	1	109	16.50	16.61	16.71	18.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.54	16.49	16.61	18.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.57	16.48	16.70	18.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.61	16.51	16.60	18.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.65	16.57	16.43	18.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.53	16.47	16.60	18.2	0.0



n7 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.99	14.91	15.00	16.1	0.0	
20	PI/2 BPSK	1	53	14.93	15.09	14.85			
20	PI/2 BPSK	1	104	14.91	15.13	14.82			
20	PI/2 BPSK	50	0	14.91	14.93	15.02	16.1	0.0	
20	PI/2 BPSK	50	28	14.87	15.09	14.85	16.1	0.0	
20	PI/2 BPSK	50	56	15.00	15.07	15.08	16.1	0.0	
20	PI/2 BPSK	100	0	15.11	14.92	15.01	16.1	0.0	
20	QPSK	1	1	15.06	15.18	15.02	16.1	0.0	
20	QPSK	1	53	14.87	15.07	14.92			
20	QPSK	1	104	14.89	14.84	15.11			
20	QPSK	50	0	14.74	14.96	14.94	16.1	0.0	
20	QPSK	50	28	14.94	15.11	14.96	16.1	0.0	
20	QPSK	50	56	14.80	15.05	15.01	16.1	0.0	
20	QPSK	100	0	14.89	15.09	15.03	16.1	0.0	
20	16QAM	1	1	15.00	14.98	14.82	16.1	0.0	
20	64QAM	1	1	14.94	14.97	14.98	16.1	0.0	
20	256QAM	1	1	14.95	15.02	14.90	16.1	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	14.82	15.01	14.88	16.1	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	14.79	15.05	14.99	16.1	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	14.80	14.97	14.96	16.1	0.0	

n66 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.47	18.38	18.27	20.0	0.0	
20	PI/2 BPSK	1	53	18.37	18.37	18.49			
20	PI/2 BPSK	1	104	18.43	18.48	18.28			
20	PI/2 BPSK	50	0	18.31	18.40	18.45	20.0	0.0	
20	PI/2 BPSK	50	28	18.25	18.54	18.27	20.0	0.0	
20	PI/2 BPSK	50	56	18.39	18.53	18.48	20.0	0.0	
20	PI/2 BPSK	100	0	18.42	18.46	18.41	20.0	0.0	
20	QPSK	1	1	18.50	18.56	18.31	20.0	0.0	
20	QPSK	1	53	18.43	18.54	18.55			
20	QPSK	1	104	18.44	18.55	18.50			
20	QPSK	50	0	18.50	18.50	18.46	20.0	0.0	
20	QPSK	50	28	18.44	18.51	18.42	20.0	0.0	
20	QPSK	50	56	18.44	18.50	18.46	20.0	0.0	
20	QPSK	100	0	18.31	18.47	18.41	20.0	0.0	
20	16QAM	1	1	18.37	18.57	18.45	20.0	0.0	
20	64QAM	1	1	18.48	18.53	18.36	20.0	0.0	
20	256QAM	1	1	18.37	18.58	18.45	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	18.40	18.59	18.49	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	18.38	18.52	18.51	20.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	18.25	18.58	18.40	20.0	0.0	



n38 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.76	14.98	14.78	16.3	0.0
20	PI/2 BPSK	1	26	14.83	14.95	14.88		
20	PI/2 BPSK	1	49	14.85	14.92	14.77	16.3	0.0
20	PI/2 BPSK	25	0	14.85	14.93	14.81		
20	PI/2 BPSK	25	13	14.86	14.99	14.72	16.3	0.0
20	PI/2 BPSK	25	26	14.91	14.95	14.70		
20	PI/2 BPSK	50	0	14.74	14.95	14.77	16.3	0.0
20	QPSK	1	1	14.96	15.00	14.97		
20	QPSK	1	26	14.78	14.98	14.86	16.3	0.0
20	QPSK	1	49	14.78	14.93	14.81		
20	QPSK	25	0	14.90	14.88	14.68	16.3	0.0
20	QPSK	25	13	14.87	14.96	14.88		
20	QPSK	25	26	14.86	14.90	14.82	16.3	0.0
20	QPSK	50	0	14.84	14.92	14.78		
20	16QAM	1	1	14.86	14.98	14.83	16.3	0.0
20	64QAM	1	1	14.88	14.99	14.87		
20	256QAM	1	1	14.75	14.91	14.90	16.3	0.0

PC2&3 n41 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.51	14.56	14.52	16.3	0.0
100	PI/2 BPSK	1	137	14.64	14.80	14.70		
100	PI/2 BPSK	1	271	14.57	14.73	14.59	16.3	0.0
100	PI/2 BPSK	135	0	14.61	14.77	14.63		
100	PI/2 BPSK	135	69	14.73	14.83	14.63	16.3	0.0
100	PI/2 BPSK	135	138	14.65	14.81	14.65		
100	PI/2 BPSK	270	0	14.62	14.76	14.59	16.3	0.0
100	QPSK	1	1	14.72	14.88	14.78		
100	QPSK	1	137	14.54	14.72	14.61	16.3	0.0
100	QPSK	1	271	14.55	14.59	14.52		
100	QPSK	135	0	14.51	14.66	14.52	16.3	0.0
100	QPSK	135	69	14.58	14.71	14.51		
100	QPSK	135	138	14.56	14.68	14.51	16.3	0.0
100	QPSK	270	0	14.51	14.55	14.52		
100	16QAM	1	1	14.65	14.81	14.67	16.3	0.0
100	64QAM	1	1	14.57	14.71	14.61		
100	256QAM	1	1	14.52	14.61	14.52	16.3	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	14.52	14.63	14.52	16.3	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	14.55	14.67	14.51	16.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	14.56	14.71	14.52	16.3	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	14.54	14.62	14.52	16.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	14.56	14.66	14.51	16.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.61	14.59	14.66	16.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	14.51	14.66	14.55	16.3	0.0



n38 Ant9 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				516000	519000	522000				
Frequency (MHz)				2580	2595	2610				
20	PI/2 BPSK	1	1	20.87	20.83	20.78	22.3	0.0		
20	PI/2 BPSK	1	26	20.85	20.76	20.73				
20	PI/2 BPSK	1	49	20.69	20.89	20.88				
20	PI/2 BPSK	25	0	20.88	20.69	20.78	22.3	0.0		
20	PI/2 BPSK	25	13	20.68	20.80	20.65	22.3	0.0		
20	PI/2 BPSK	25	26	20.74	20.79	20.64	22.3	0.0		
20	PI/2 BPSK	50	0	20.77	20.92	20.77				
20	QPSK	1	1	20.78	20.99	20.75				
20	QPSK	1	26	20.80	20.87	20.73	22.3	0.0		
20	QPSK	1	49	20.72	20.80	20.64				
20	QPSK	25	0	20.73	20.79	20.67				
20	QPSK	25	13	20.66	20.84	20.74	22.3	0.0		
20	QPSK	25	26	20.75	20.80	20.69	22.3	0.0		
20	QPSK	50	0	20.72	20.81	20.70				
20	16QAM	1	1	20.62	20.85	20.80				
20	64QAM	1	1	20.74	20.72	20.72	22.3	0.0		
20	256QAM	1	1	19.81	19.86	19.77	22.3	0.0		

PC2&3 n41 Ant9 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	20.51	20.62	20.62	22.3	0.0		
100	PI/2 BPSK	1	137	20.71	20.80	20.67				
100	PI/2 BPSK	1	271	20.60	20.77	20.57				
100	PI/2 BPSK	135	0	20.62	20.81	20.70	22.3	0.0		
100	PI/2 BPSK	135	69	20.63	20.73	20.60	22.3	0.0		
100	PI/2 BPSK	135	138	20.53	20.58	20.60	22.3	0.0		
100	PI/2 BPSK	270	0	20.59	20.72	20.54				
100	QPSK	1	1	20.62	20.84	20.57				
100	QPSK	1	137	20.74	20.77	20.65	22.3	0.0		
100	QPSK	1	271	20.55	20.55	20.56				
100	QPSK	135	0	20.67	20.64	20.70				
100	QPSK	135	69	20.54	20.81	20.55	22.3	0.0		
100	QPSK	135	138	20.60	20.73	20.57	22.3	0.0		
100	QPSK	270	0	20.58	20.75	20.58				
100	16QAM	1	1	20.51	20.60	20.51				
100	64QAM	1	1	20.52	20.59	20.51	22.3	0.0		
100	256QAM	1	1	20.63	20.80	20.66	22.3	0.0		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	123	20.56	20.54	20.51	22.3	0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	109	20.57	20.58	20.51	22.3	0.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	20.51	20.58	20.56	22.3	0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	20.56	20.54	20.58	22.3	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	20.56	20.50	20.55	22.3	0.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	20.61	20.57	20.44	22.3	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	20.56	20.57	20.57	22.3	0.0		



Reduced Power level for DSI 3

n5 Ant0 DSI3								
BW [MHz]	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	167600		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.06	24.19	24.13		
20	PI/2 BPSK	1	53	24.03	24.13	24.05	25.7	0.0
20	PI/2 BPSK	1	104	24.13	24.24	24.12		
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0
20	PI/2 BPSK	50	56	24.26	24.28	24.18		
20	PI/2 BPSK	100	0	24.05	24.13	24.02	25.7	0.0
20	QPSK	1	1	24.34	24.37	24.23		
20	QPSK	1	53	24.03	24.18	24.10	25.7	0.0
20	QPSK	1	104	24.12	24.07	24.03		
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0
20	QPSK	50	56	24.06	24.11	24.05		
20	QPSK	100	0	24.13	24.30	24.23	25.7	0.0
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0



n7 Ant1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				502000	507000	512000				
Frequency (MHz)				2510	2535	2560				
20	PI/2 BPSK	1	1	20.53	20.47	20.55	21.9	0.0		
20	PI/2 BPSK	1	53	20.51	20.69	20.60				
20	PI/2 BPSK	1	104	20.55	20.66	20.56				
20	PI/2 BPSK	50	0	20.42	20.55	20.62	21.9	0.0		
20	PI/2 BPSK	50	28	20.64	20.54	20.51	21.9	0.0		
20	PI/2 BPSK	50	56	20.39	20.55	20.64	21.9	0.0		
20	PI/2 BPSK	100	0	20.44	20.60	20.50				
20	QPSK	1	1	20.68	20.71	20.52				
20	QPSK	1	53	20.55	20.51	20.50	21.9	0.0		
20	QPSK	1	104	20.56	20.47	20.69				
20	QPSK	50	0	20.29	20.59	20.57				
20	QPSK	50	28	20.58	20.67	20.66	21.9	0.0		
20	QPSK	50	56	20.40	20.54	20.57	21.9	0.0		
20	QPSK	100	0	20.60	20.66	20.62				
20	16QAM	1	1	20.45	20.52	20.68				
20	64QAM	1	1	20.48	20.50	20.58	21.9	0.0		
20	256QAM	1	1	20.43	20.50	20.58	21.9	0.0		
Channel				501600	507000	512500	Tune-up limit	MPR		
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)		
15	QPSK	1	40	20.46	20.56	20.43	21.9	0.0		
Channel				501000	507000	513000	Tune-up limit	MPR		
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)		
10	QPSK	1	26	20.39	20.52	20.46	21.9	0.0		
Channel				500500	507000	513500	Tune-up limit	MPR		
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)		
5	QPSK	1	13	20.41	20.57	20.35	21.9	0.0		

n66 Ant1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	PI/2 BPSK	1	1	20.31	20.62	20.51	22.2	0.0		
20	PI/2 BPSK	1	53	20.46	20.40	20.31				
20	PI/2 BPSK	1	104	20.50	20.39	20.50				
20	PI/2 BPSK	50	0	20.48	20.50	20.31	22.2	0.0		
20	PI/2 BPSK	50	28	20.47	20.49	20.24	22.2	0.0		
20	PI/2 BPSK	50	56	20.50	20.35	20.24	22.2	0.0		
20	PI/2 BPSK	100	0	20.35	20.60	20.40				
20	QPSK	1	1	20.60	20.72	20.53				
20	QPSK	1	53	20.55	20.45	20.48	22.2	0.0		
20	QPSK	1	104	20.45	20.54	20.60				
20	QPSK	50	0	20.28	20.58	20.59				
20	QPSK	50	28	20.43	20.64	20.46	22.2	0.0		
20	QPSK	50	56	20.47	20.46	20.54	22.2	0.0		
20	QPSK	100	0	20.41	20.54	20.48				
20	16QAM	1	1	20.36	20.45	20.33				
20	64QAM	1	1	20.44	20.49	20.33	22.2	0.0		
20	256QAM	1	1	20.35	20.56	20.48	22.2	0.0		
Channel				343500	349000	354500	Tune-up limit	MPR		
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)		
15	QPSK	1	40	20.47	20.67	20.30	22.2	0.0		
Channel				343000	349000	355000	Tune-up limit	MPR		
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)		
10	QPSK	1	26	20.44	20.61	20.33	22.2	0.0		
Channel				342500	349000	355500	Tune-up limit	MPR		
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)		
5	QPSK	1	13	20.36	20.58	20.39	22.2	0.0		



n38 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	19.85	19.63	19.84	21.2	0.0	
20	PI/2 BPSK	1	26	19.67	19.86	19.88			
20	PI/2 BPSK	1	49	19.72	19.71	19.81			
20	PI/2 BPSK	25	0	19.57	19.82	19.74	21.2	0.0	
20	PI/2 BPSK	25	13	19.74	19.84	19.85	21.2	0.0	
20	PI/2 BPSK	25	26	19.53	19.70	19.82	21.2	0.0	
20	PI/2 BPSK	50	0	19.61	19.88	19.78			
20	QPSK	1	1	19.84	20.03	19.83			
20	QPSK	1	26	19.92	19.73	19.74	21.2	0.0	
20	QPSK	1	49	19.64	19.66	19.83			
20	QPSK	25	0	19.47	19.75	19.83			
20	QPSK	25	13	19.62	19.95	19.75	21.2	0.0	
20	QPSK	25	26	19.77	19.64	19.66	21.2	0.0	
20	QPSK	50	0	19.70	19.83	19.70			
20	16QAM	1	1	19.71	19.76	19.82			
20	64QAM	1	1	19.84	19.60	19.76	21.2	0.0	
20	256QAM	1	1	19.38	19.46	19.32	20.2	1.0	

PC2&3 n41 Ant1 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.33	19.45	19.35	21.2	0.0	
100	PI/2 BPSK	1	137	19.37	19.48	19.29			
100	PI/2 BPSK	1	271	19.23	19.35	19.25			
100	PI/2 BPSK	135	0	19.41	19.59	19.41	21.2	0.0	
100	PI/2 BPSK	135	69	19.47	19.58	19.43	21.2	0.0	
100	PI/2 BPSK	135	138	19.32	19.51	19.38	21.2	0.0	
100	PI/2 BPSK	270	0	19.30	19.49	19.36			
100	QPSK	1	1	19.55	19.72	19.61			
100	QPSK	1	137	19.43	19.57	19.43	21.2	0.0	
100	QPSK	1	271	19.25	19.39	19.22			
100	QPSK	135	0	19.39	19.52	19.37			
100	QPSK	135	69	19.44	19.59	19.43	21.2	0.0	
100	QPSK	135	138	19.39	19.52	19.37	21.2	0.0	
100	QPSK	270	0	19.41	19.55	19.44			
100	16QAM	1	1	19.43	19.59	19.42			
100	64QAM	1	1	19.39	19.55	19.42	21.2	0.0	
100	256QAM	1	1	19.49	19.62	19.43	21.2	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	19.27	19.53	19.34	21.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	109	19.32	19.53	19.42	21.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	19.36	19.53	19.41	21.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	67	19.33	19.50	19.37	21.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	19.30	19.46	19.39	21.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	19.40	19.33	19.36	21.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	19.33	19.46	19.35	21.2	0.0	



n5 Ant2 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	841		
20	PI/2 BPSK	1	1	23.81	23.98	23.94	25.7	0.0
20	PI/2 BPSK	1	53	23.94	24.02	23.98		
20	PI/2 BPSK	1	104	23.82	23.90	23.76		
20	PI/2 BPSK	50	0	24.00	24.07	24.00	25.7	0.0
20	PI/2 BPSK	50	28	23.86	24.02	23.86	25.7	0.0
20	PI/2 BPSK	50	56	23.92	23.94	23.88	25.7	0.0
20	PI/2 BPSK	100	0	23.90	24.05	24.03		
20	QPSK	1	1	24.04	24.12	23.99		
20	QPSK	1	53	23.85	23.98	23.90	25.7	0.0
20	QPSK	1	104	23.72	23.80	23.83		
20	QPSK	50	0	23.76	23.72	23.75		
20	QPSK	50	28	24.02	24.08	24.05	25.7	0.0
20	QPSK	50	56	23.89	23.98	23.83	25.7	0.0
20	QPSK	100	0	23.74	23.78	23.74		
20	16QAM	1	1	23.74	23.92	23.83		
20	64QAM	1	1	24.00	24.08	23.98	25.7	0.0
20	256QAM	1	1	21.34	21.46	21.36	23.2	2.5
Channel				166800	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.86	24.03	23.93	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.93	24.00	23.90	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	23.93	23.98	23.84	25.7	0.0



n7 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.86	19.91	19.85	21.5	0.0
20	PI/2 BPSK	1	53	19.90	19.94	19.77		
20	PI/2 BPSK	1	104	19.76	20.03	19.82		
20	PI/2 BPSK	50	0	19.83	20.08	19.76	21.5	0.0
20	PI/2 BPSK	50	28	19.87	19.96	19.83	21.5	0.0
20	PI/2 BPSK	50	56	19.93	19.94	19.82	21.5	0.0
20	PI/2 BPSK	100	0	19.82	19.96	20.00		
20	QPSK	1	1	19.92	20.14	20.08		
20	QPSK	1	53	19.91	19.98	19.89	21.5	0.0
20	QPSK	1	104	19.88	19.92	19.83		
20	QPSK	50	0	19.91	19.82	19.93		
20	QPSK	50	28	19.87	20.06	19.69	21.5	0.0
20	QPSK	50	56	19.86	19.92	19.87	21.5	0.0
20	QPSK	100	0	19.98	20.03	19.84		
20	16QAM	1	1	19.93	19.85	19.83		
20	64QAM	1	1	19.81	19.89	19.73	21.5	0.0
20	256QAM	1	1	19.93	19.84	19.76	21.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	19.89	20.08	19.86	21.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	19.76	20.04	19.84	21.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	19.85	20.03	19.77	21.5	0.0



n38 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	20.65	20.62	20.57	22.0	0.0
20	PI/2 BPSK	1	26	20.52	20.67	20.56		
20	PI/2 BPSK	1	49	20.56	20.64	20.61		
20	PI/2 BPSK	25	0	20.51	20.54	20.55	22.0	0.0
20	PI/2 BPSK	25	13	20.44	20.60	20.40	22.0	0.0
20	PI/2 BPSK	25	26	20.55	20.55	20.48	22.0	0.0
20	PI/2 BPSK	50	0	20.42	20.56	20.68		
20	QPSK	1	1	20.65	20.70	20.58		
20	QPSK	1	26	20.51	20.52	20.54	22.0	0.0
20	QPSK	1	49	20.52	20.66	20.50		
20	QPSK	25	0	20.53	20.65	20.36		
20	QPSK	25	13	20.55	20.68	20.58	22.0	0.0
20	QPSK	25	26	20.51	20.61	20.57	22.0	0.0
20	QPSK	50	0	20.56	20.67	20.48		
20	16QAM	1	1	20.63	20.59	20.59		
20	64QAM	1	1	20.56	20.59	20.45	22.0	0.0
20	256QAM	1	1	20.46	20.51	20.66	22.0	0.0

PC2&3 n41 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.57	20.45	20.47	22.0	0.0
100	PI/2 BPSK	1	137	20.42	20.54	20.53		
100	PI/2 BPSK	1	271	20.51	20.52	20.54		
100	PI/2 BPSK	135	0	20.34	20.51	20.44	22.0	0.0
100	PI/2 BPSK	135	69	20.33	20.56	20.26	22.0	0.0
100	PI/2 BPSK	135	138	20.48	20.45	20.32	22.0	0.0
100	PI/2 BPSK	270	0	20.29	20.43	20.54		
100	QPSK	1	1	20.63	20.73	20.69		
100	QPSK	1	137	20.48	20.48	20.50	22.0	0.0
100	QPSK	1	271	20.47	20.49	20.38		
100	QPSK	135	0	20.42	20.53	20.31		
100	QPSK	135	69	20.43	20.67	20.64	22.0	0.0
100	QPSK	135	138	20.33	20.55	20.41	22.0	0.0
100	QPSK	270	0	20.51	20.64	20.60		
100	16QAM	1	1	20.45	20.42	20.41		
100	64QAM	1	1	20.43	20.52	20.41	22.0	0.0
100	256QAM	1	1	20.36	20.38	20.53	22.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	20.41	20.44	20.37	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	20.36	20.43	20.31	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	20.40	20.47	20.45	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	20.42	20.49	20.40	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	20.40	20.56	20.31	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	20.41	20.50	20.32	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	20.40	20.44	20.42	22.0	0.0



n7 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.08	18.17	18.06	19.4	0.0	
20	PI/2 BPSK	1	53	18.02	18.15	18.04			
20	PI/2 BPSK	1	104	17.96	18.14	18.02			
20	PI/2 BPSK	50	0	18.03	18.03	17.96	19.4	0.0	
20	PI/2 BPSK	50	28	17.91	18.10	17.92	19.4	0.0	
20	PI/2 BPSK	50	56	18.08	18.09	17.98	19.4	0.0	
20	PI/2 BPSK	100	0	17.88	18.07	18.18			
20	PI/2 BPSK	1	1	17.97	18.20	18.12			
20	QPSK	1	53	17.97	18.06	17.99	19.4	0.0	
20	QPSK	1	104	18.03	18.09	17.94			
20	QPSK	50	0	17.95	18.08	17.78			
20	QPSK	50	28	17.97	18.10	17.99	19.4	0.0	
20	QPSK	50	56	17.99	18.04	17.99	19.4	0.0	
20	QPSK	100	0	18.04	18.06	18.01			
20	16QAM	1	1	18.10	18.01	18.03			
20	64QAM	1	1	17.99	18.07	17.96	19.4	0.0	
20	256QAM	1	1	17.96	18.03	18.11	19.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.83	18.09	17.84	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.87	18.05	17.94	19.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.85	18.02	18.00	19.4	0.0	

n66 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.86	21.98	21.92	23.4	0.0	
20	PI/2 BPSK	1	53	21.94	22.02	21.97			
20	PI/2 BPSK	1	104	22.02	22.08	22.01			
20	PI/2 BPSK	50	0	21.95	22.03	21.99	23.4	0.0	
20	PI/2 BPSK	50	28	21.93	22.07	21.99	23.4	0.0	
20	PI/2 BPSK	50	56	21.93	22.09	21.93	23.4	0.0	
20	PI/2 BPSK	100	0	21.95	22.07	21.96			
20	PI/2 BPSK	1	1	22.08	22.16	22.11			
20	QPSK	1	53	22.04	22.14	22.10	23.4	0.0	
20	QPSK	1	104	21.82	21.92	21.87			
20	QPSK	50	0	21.87	22.02	21.97			
20	QPSK	50	28	22.10	22.13	21.95	23.4	0.0	
20	QPSK	50	56	21.88	22.04	21.94	23.4	0.0	
20	QPSK	100	0	21.97	22.09	21.94			
20	16QAM	1	1	21.80	21.94	21.82			
20	64QAM	1	1	21.84	21.88	21.75	23.4	0.0	
20	256QAM	1	1	20.86	20.86	20.87	22.4	1.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.05	22.01	21.95	23.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	21.94	22.11	22.04	23.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	21.94	22.08	22.08	23.4	0.0	



n38 Ant6 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.83	18.00	17.78	19.6	0.0
20	PI/2 BPSK	1	26	17.87	17.96	17.75		
20	PI/2 BPSK	1	49	17.95	18.02	17.79		
20	PI/2 BPSK	25	0	17.87	17.97	17.80	19.6	0.0
20	PI/2 BPSK	25	13	17.88	17.97	17.93	19.6	0.0
20	PI/2 BPSK	25	26	17.85	17.89	17.92	19.6	0.0
20	PI/2 BPSK	50	0	17.80	17.97	17.84		
20	PI/2 BPSK	1	1	17.95	18.07	17.89		
20	QPSK	1	26	17.82	17.90	17.85	19.6	0.0
20	QPSK	1	49	17.90	18.01	17.79		
20	QPSK	25	0	17.87	17.88	17.81		
20	QPSK	25	13	17.91	17.96	17.91	19.6	0.0
20	QPSK	25	26	17.85	17.91	17.87	19.6	0.0
20	QPSK	50	0	17.87	17.94	17.90		
20	16QAM	1	1	17.93	17.94	17.85		
20	64QAM	1	1	17.80	17.99	17.81	19.6	0.0
20	256QAM	1	1	17.85	17.95	17.89	19.6	0.0

PC2&3 n41 Ant6 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.93	18.09	17.82	19.6	0.0
100	PI/2 BPSK	1	137	18.03	17.97	17.89		
100	PI/2 BPSK	1	271	17.90	17.97	17.97		
100	PI/2 BPSK	135	0	17.91	18.02	17.77	19.6	0.0
100	PI/2 BPSK	135	69	17.80	17.95	18.03	19.6	0.0
100	PI/2 BPSK	135	138	17.93	18.11	17.96	19.6	0.0
100	PI/2 BPSK	270	0	17.89	18.05	17.87		
100	PI/2 BPSK	1	1	17.98	18.14	18.09		
100	QPSK	1	137	17.79	18.06	17.97	19.6	0.0
100	QPSK	1	271	17.92	17.90	17.85		
100	QPSK	135	0	17.97	17.98	17.87		
100	QPSK	135	69	17.81	18.13	17.92	19.6	0.0
100	QPSK	135	138	17.95	17.95	17.90	19.6	0.0
100	QPSK	270	0	17.86	18.01	17.87		
100	16QAM	1	1	17.94	18.05	17.90		
100	64QAM	1	1	17.88	18.05	17.87	19.6	0.0
100	256QAM	1	1	17.87	18.09	17.85	19.6	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.81	18.00	17.94	19.6	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.81	17.99	18.03	19.6	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.95	18.07	17.93	19.6	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.86	18.02	18.05	19.6	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.90	18.00	17.95	19.6	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.90	17.88	17.95	19.6	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.89	18.09	17.98	19.6	0.0



n38 Ant9 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	21.69	21.83	21.76	23.3	0.0
20	PI/2 BPSK	1	26	21.60	21.68	21.62		
20	PI/2 BPSK	1	49	21.81	21.93	21.80		
20	PI/2 BPSK	25	0	21.44	21.59	21.46	23.3	0.0
20	PI/2 BPSK	25	13	21.66	21.70	21.64	23.3	0.0
20	PI/2 BPSK	25	26	21.75	21.79	21.64	23.3	0.0
20	PI/2 BPSK	50	0	21.64	21.69	21.58		
20	QPSK	1	1	21.87	21.97	21.88		
20	QPSK	1	26	21.50	21.66	21.51	23.3	0.0
20	QPSK	1	49	21.57	21.71	21.52		
20	QPSK	25	0	21.43	21.57	21.54		
20	QPSK	25	13	21.56	21.77	21.56	23.3	0.0
20	QPSK	25	26	21.63	21.70	21.73	23.3	0.0
20	QPSK	50	0	21.63	21.66	21.51		
20	16QAM	1	1	21.57	21.59	21.48		
20	64QAM	1	1	21.63	21.68	21.58	23.3	0.0
20	256QAM	1	1	19.81	19.86	19.77	20.8	2.5

PC3&2 n41 Ant9 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.76	21.85	21.81	23.3	0.0
100	PI/2 BPSK	1	137	21.85	21.92	21.84		
100	PI/2 BPSK	1	271	21.74	21.82	21.73		
100	PI/2 BPSK	135	0	21.87	21.89	21.81	23.3	0.0
100	PI/2 BPSK	135	69	21.85	21.93	21.87	23.3	0.0
100	PI/2 BPSK	135	138	21.79	21.86	21.72	23.3	0.0
100	PI/2 BPSK	270	0	21.68	21.84	21.82		
100	QPSK	1	1	21.94	22.11	21.98		
100	QPSK	1	137	21.90	21.97	21.87	23.3	0.0
100	QPSK	1	271	21.81	21.85	21.87		
100	QPSK	135	0	21.68	21.84	21.74		
100	QPSK	135	69	21.81	21.92	21.75	23.3	0.0
100	QPSK	135	138	21.74	21.81	21.71	23.3	0.0
100	QPSK	270	0	21.79	21.89	21.87		
100	16QAM	1	1	21.62	21.77	21.75		
100	64QAM	1	1	21.66	21.84	21.74	23.3	0.0
100	256QAM	1	1	21.94	22.03	21.99	23.3	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	21.89	22.07	21.90	23.3	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	21.86	22.01	21.90	23.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.82	21.97	21.91	23.3	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	21.91	21.93	21.81	23.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	21.84	22.09	21.89	23.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.88	22.01	21.98	23.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	21.86	21.95	21.90	23.3	0.0



Reduced Power level for DSI 5

n5 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.07	21.09	21.17	22.8	0.0
20	PI/2 BPSK	1	53	21.03	21.17	21.09		
20	PI/2 BPSK	1	104	20.99	21.19	21.07		
20	PI/2 BPSK	50	0	21.09	21.21	21.17	22.8	0.0
20	PI/2 BPSK	50	28	20.91	21.21	21.15	22.8	0.0
20	PI/2 BPSK	50	56	20.96	21.18	21.13		
20	PI/2 BPSK	100	0	21.02	21.02	21.13		
20	QPSK	1	1	21.10	21.23	21.17	22.8	0.0
20	QPSK	1	53	21.00	21.13	21.03		
20	QPSK	1	104	21.00	21.21	21.03		
20	QPSK	50	0	21.10	21.09	21.06	22.8	0.0
20	QPSK	50	28	20.88	21.16	21.13	22.8	0.0
20	QPSK	50	56	21.07	21.10	21.09	22.8	0.0
20	QPSK	100	0	21.03	21.12	21.11		
20	16QAM	1	1	21.08	21.09	21.10		
20	64QAM	1	1	21.05	21.01	20.96	22.8	0.0
20	256QAM	1	1	20.98	21.20	21.13	22.8	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	20.98	21.07	21.07	22.8	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	20.97	21.21	21.17	22.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	20.98	21.13	20.97	22.8	0.0



n7 Ant1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				502000	507000	512000				
Frequency (MHz)				2510	2535	2560				
20	PI/2 BPSK	1	1	17.22	17.27	17.35	18.7	0.0		
20	PI/2 BPSK	1	53	17.35	17.36	17.42				
20	PI/2 BPSK	1	104	17.33	17.31	17.36				
20	PI/2 BPSK	50	0	17.22	17.41	17.39	18.7	0.0		
20	PI/2 BPSK	50	28	17.29	17.35	17.35	18.7	0.0		
20	PI/2 BPSK	50	56	17.14	17.29	17.33	18.7	0.0		
20	PI/2 BPSK	100	0	17.19	17.23	17.27				
20	QPSK	1	1	17.33	17.44	17.40	18.7	0.0		
20	QPSK	1	53	17.14	17.42	17.33				
20	QPSK	1	104	17.21	17.29	17.31				
20	QPSK	50	0	17.35	17.27	17.23	18.7	0.0		
20	QPSK	50	28	17.28	17.42	17.36	18.7	0.0		
20	QPSK	50	56	17.25	17.34	17.34	18.7	0.0		
20	QPSK	100	0	17.16	17.37	17.29				
20	16QAM	1	1	17.32	17.35	17.31	18.7	0.0		
20	64QAM	1	1	17.31	17.29	17.25	18.7	0.0		
20	256QAM	1	1	17.30	17.34	17.37	18.7	0.0		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	40	17.21	17.34	17.37	18.7	0.0		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	26	17.19	17.29	17.43	18.7	0.0		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	13	17.28	17.41	17.40	18.7	0.0		

n66 Ant1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	PI/2 BPSK	1	1	20.69	20.72	20.54	22.4	0.0		
20	PI/2 BPSK	1	53	20.62	20.63	20.64				
20	PI/2 BPSK	1	104	20.74	20.75	20.53				
20	PI/2 BPSK	50	0	20.53	20.73	20.59	22.4	0.0		
20	PI/2 BPSK	50	28	20.59	20.62	20.53	22.4	0.0		
20	PI/2 BPSK	50	56	20.62	20.64	20.69	22.4	0.0		
20	PI/2 BPSK	100	0	20.54	20.63	20.66				
20	QPSK	1	1	20.72	20.78	20.70	22.4	0.0		
20	QPSK	1	53	20.68	20.66	20.70				
20	QPSK	1	104	20.63	20.68	20.49				
20	QPSK	50	0	20.63	20.66	20.53	22.4	0.0		
20	QPSK	50	28	20.64	20.77	20.71	22.4	0.0		
20	QPSK	50	56	20.72	20.65	20.56	22.4	0.0		
20	QPSK	100	0	20.68	20.72	20.70				
20	16QAM	1	1	20.55	20.74	20.54	22.4	0.0		
20	64QAM	1	1	20.57	20.74	20.59	22.4	0.0		
20	256QAM	1	1	20.54	20.76	20.49	22.4	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	20.54	20.62	20.64	22.4	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	20.54	20.73	20.53	22.4	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	13	20.72	20.76	20.70	22.4	0.0		



n38 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.85	16.94	16.78	18.2	0.0
20	PI/2 BPSK	1	26	16.90	16.78	16.86		
20	PI/2 BPSK	1	49	16.91	16.86	16.66		
20	PI/2 BPSK	25	0	16.84	16.94	16.85	18.2	0.0
20	PI/2 BPSK	25	13	16.79	16.85	16.71	18.2	0.0
20	PI/2 BPSK	25	26	16.81	16.78	16.69	18.2	0.0
20	PI/2 BPSK	50	0	16.71	16.93	16.88		
20	QPSK	1	1	16.92	16.95	16.88	18.2	0.0
20	QPSK	1	26	16.74	16.93	16.89		
20	QPSK	1	49	16.73	16.79	16.85		
20	QPSK	25	0	16.86	16.78	16.68	18.2	0.0
20	QPSK	25	13	16.88	16.92	16.73	18.2	0.0
20	QPSK	25	26	16.75	16.87	16.83	18.2	0.0
20	QPSK	50	0	16.76	16.87	16.84		
20	16QAM	1	1	16.80	16.85	16.89	18.2	0.0
20	64QAM	1	1	16.91	16.86	16.86	18.2	0.0
20	256QAM	1	1	16.86	16.93	16.88	18.2	0.0

PC2&3 n41 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.47	16.55	16.41	18.2	0.0
100	PI/2 BPSK	1	137	16.27	16.52	16.47		
100	PI/2 BPSK	1	271	16.36	16.53	16.34		
100	PI/2 BPSK	135	0	16.25	16.34	16.39	18.2	0.0
100	PI/2 BPSK	135	69	16.38	16.43	16.40	18.2	0.0
100	PI/2 BPSK	135	138	16.36	16.48	16.42	18.2	0.0
100	PI/2 BPSK	270	0	16.37	16.37	16.38		
100	QPSK	1	1	16.47	16.56	16.45	18.2	0.0
100	QPSK	1	137	16.40	16.51	16.42		
100	QPSK	1	271	16.32	16.55	16.26		
100	QPSK	135	0	16.28	16.38	16.39	18.2	0.0
100	QPSK	135	69	16.27	16.53	16.41	18.2	0.0
100	QPSK	135	138	16.43	16.45	16.30	18.2	0.0
100	QPSK	270	0	16.30	16.43	16.25		
100	16QAM	1	1	16.43	16.47	16.30	18.2	0.0
100	64QAM	1	1	16.45	16.38	16.27	18.2	0.0
100	256QAM	1	1	16.39	16.54	16.29	18.2	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.27	16.46	16.31	18.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	16.30	16.49	16.25	18.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.27	16.46	16.46	18.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.48	16.53	16.40	18.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.49	16.51	16.32	18.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.33	16.41	16.36	18.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.30	16.51	16.26	18.2	0.0



n5 Ant2 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	18.89	18.98	18.72	20.4	0.0
20	PI/2 BPSK	1	53	18.84	18.96	18.81		
20	PI/2 BPSK	1	104	18.78	18.93	18.84		
20	PI/2 BPSK	50	0	18.76	18.99	18.79		
20	PI/2 BPSK	50	28	18.91	18.90	18.61		
20	PI/2 BPSK	50	56	18.93	18.80	18.64		
20	PI/2 BPSK	100	0	18.78	18.92	18.75	20.4	0.0
20	QPSK	1	1	18.97	19.01	18.83	20.4	0.0
20	QPSK	1	53	18.83	18.94	18.76		
20	QPSK	1	104	18.94	18.92	18.64		
20	QPSK	50	0	18.80	18.90	18.83		
20	QPSK	50	28	18.94	18.99	18.61		
20	QPSK	50	56	18.77	18.85	18.74		
20	QPSK	100	0	18.82	18.90	18.80	20.4	0.0
20	16QAM	1	1	18.84	18.94	18.78	20.4	0.0
20	64QAM	1	1	18.95	18.89	18.78	20.4	0.0
20	256QAM	1	1	18.80	18.90	18.63	20.4	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	18.96	18.81	18.84	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	18.90	18.91	18.70	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.96	19.00	18.85	20.4	0.0



n7 Ant5 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.61	13.60	13.54	15.4	0.0
20	PI/2 BPSK	1	53	13.68	13.64	13.64		
20	PI/2 BPSK	1	104	13.67	13.63	13.71		
20	PI/2 BPSK	50	0	13.61	13.63	13.56	15.4	0.0
20	PI/2 BPSK	50	28	13.76	13.66	13.63	15.4	0.0
20	PI/2 BPSK	50	56	13.68	13.68	13.67	15.4	0.0
20	PI/2 BPSK	100	0	13.68	13.49	13.54		
20	QPSK	1	1	13.78	13.79	13.73		
20	QPSK	1	53	13.66	13.61	13.72	15.4	0.0
20	QPSK	1	104	13.60	13.62	13.74		
20	QPSK	50	0	13.50	13.55	13.54		
20	QPSK	50	28	13.58	13.67	13.55	15.4	0.0
20	QPSK	50	56	13.48	13.48	13.56	15.4	0.0
20	QPSK	100	0	13.61	13.65	13.63		
20	16QAM	1	1	13.64	13.55	13.65		
20	64QAM	1	1	13.77	13.65	13.55	15.4	0.0
20	256QAM	1	1	13.72	13.67	13.70	15.4	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	13.77	13.58	13.64	15.4	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	13.72	13.55	13.55	15.4	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	13.68	13.60	13.66	15.4	0.0



n38 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	13.61	13.62	13.58	15.4	0.0
20	PI/2 BPSK	1	26	13.55	13.71	13.72		
20	PI/2 BPSK	1	49	13.62	13.81	13.66		
20	PI/2 BPSK	25	0	13.67	13.67	13.57	15.4	0.0
20	PI/2 BPSK	25	13	13.63	13.65	13.72	15.4	0.0
20	PI/2 BPSK	25	26	13.61	13.77	13.74	15.4	0.0
20	PI/2 BPSK	50	0	13.76	13.81	13.66		
20	QPSK	1	1	13.75	13.84	13.77		
20	QPSK	1	26	13.72	13.65	13.59	15.4	0.0
20	QPSK	1	49	13.60	13.83	13.77		
20	QPSK	25	0	13.69	13.67	13.67		
20	QPSK	25	13	13.73	13.74	13.60	15.4	0.0
20	QPSK	25	26	13.65	13.65	13.72	15.4	0.0
20	QPSK	50	0	13.68	13.70	13.55		
20	16QAM	1	1	13.70	13.75	13.71		
20	64QAM	1	1	13.63	13.66	13.71	15.4	0.0
20	256QAM	1	1	13.60	13.83	13.78	15.4	0.0

PC2&3 n41 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.29	13.36	13.18	15.0	0.0
100	PI/2 BPSK	1	137	13.22	13.36	13.16		
100	PI/2 BPSK	1	271	13.21	13.35	13.27		
100	PI/2 BPSK	135	0	13.35	13.38	13.24	15.0	0.0
100	PI/2 BPSK	135	69	13.18	13.30	13.12	15.0	0.0
100	PI/2 BPSK	135	138	13.31	13.29	13.34	15.0	0.0
100	PI/2 BPSK	270	0	13.17	13.36	13.12		
100	QPSK	1	1	13.35	13.43	13.34		
100	QPSK	1	137	13.28	13.42	13.19	15.0	0.0
100	QPSK	1	271	13.18	13.41	13.14		
100	QPSK	135	0	13.34	13.38	13.12		
100	QPSK	135	69	13.23	13.39	13.31	15.0	0.0
100	QPSK	135	138	13.23	13.31	13.34	15.0	0.0
100	QPSK	270	0	13.26	13.34	13.28		
100	16QAM	1	1	13.19	13.25	13.33		
100	64QAM	1	1	13.35	13.35	13.32	15.0	0.0
100	256QAM	1	1	13.39	13.23	13.33	15.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.18	13.26	13.35	15.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.18	13.22	13.19	15.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.14	13.30	13.32	15.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.34	13.25	13.35	15.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.22	13.38	13.30	15.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.39	13.41	13.37	15.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.29	13.39	13.27	15.0	0.0



n7 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.59	11.45	11.67	12.9	0.0	
20	PI/2 BPSK	1	53	11.63	11.58	11.55			
20	PI/2 BPSK	1	104	11.57	11.75	11.33			
20	PI/2 BPSK	50	0	11.61	11.56	11.70	12.9	0.0	
20	PI/2 BPSK	50	28	11.50	11.64	11.57	12.9	0.0	
20	PI/2 BPSK	50	56	11.59	11.69	11.64	12.9	0.0	
20	PI/2 BPSK	100	0	11.71	11.46	11.69	12.9	0.0	
20	QPSK	1	1	11.71	11.77	11.68			
20	QPSK	1	53	11.40	11.61	11.51			
20	QPSK	1	104	11.54	11.51	11.59	12.9	0.0	
20	QPSK	50	0	11.32	11.56	11.59	12.9	0.0	
20	QPSK	50	28	11.55	11.75	11.60	12.9	0.0	
20	QPSK	50	56	11.49	11.70	11.62	12.9	0.0	
20	QPSK	100	0	11.58	11.73	11.66	12.9	0.0	
20	16QAM	1	1	11.51	11.69	11.34			
20	64QAM	1	1	11.62	11.46	11.41			
20	256QAM	1	1	11.44	11.54	11.52	12.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	12.9	0.0	
15	QPSK	1	40	11.56	11.68	11.37	12.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	12.9	0.0	
10	QPSK	1	26	11.60	11.72	11.44	12.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	12.9	0.0	
5	QPSK	1	13	11.51	11.64	11.35	12.9	0.0	

n66 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.33	15.13	15.20	16.8	0.0	
20	PI/2 BPSK	1	53	15.35	15.16	15.28			
20	PI/2 BPSK	1	104	15.21	15.40	15.13			
20	PI/2 BPSK	50	0	15.23	15.29	15.27	16.8	0.0	
20	PI/2 BPSK	50	28	15.13	15.46	15.16	16.8	0.0	
20	PI/2 BPSK	50	56	15.28	15.39	15.31	16.8	0.0	
20	PI/2 BPSK	100	0	15.37	15.31	15.31	16.8	0.0	
20	QPSK	1	1	15.38	15.52	15.00			
20	QPSK	1	53	15.31	15.37	15.36			
20	QPSK	1	104	15.35	15.47	15.22	16.8	0.0	
20	QPSK	50	0	15.33	15.37	15.20	16.8	0.0	
20	QPSK	50	28	15.14	15.44	15.32	16.8	0.0	
20	QPSK	50	56	15.19	15.34	15.27	16.8	0.0	
20	QPSK	100	0	15.23	15.37	15.33	16.8	0.0	
20	16QAM	1	1	15.24	15.38	15.26			
20	64QAM	1	1	15.22	15.25	15.28			
20	256QAM	1	1	15.38	15.43	15.36	16.8	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.8	0.0	
15	QPSK	1	40	15.27	15.44	15.29	16.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.8	0.0	
10	QPSK	1	26	15.26	15.50	15.35	16.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.8	0.0	
5	QPSK	1	13	15.29	15.45	15.31	16.8	0.0	



n38 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	11.64	11.67	11.69	13.1	0.0
20	PI/2 BPSK	1	26	11.61	11.69	11.67		
20	PI/2 BPSK	1	49	11.68	11.75	11.58		
20	PI/2 BPSK	25	0	11.55	11.66	11.57	13.1	0.0
20	PI/2 BPSK	25	13	11.68	11.75	11.57	13.1	0.0
20	PI/2 BPSK	25	26	11.56	11.71	11.60	13.1	0.0
20	PI/2 BPSK	50	0	11.66	11.74	11.58		
20	QPSK	1	1	11.71	11.82	11.72		
20	QPSK	1	26	11.58	11.74	11.55	13.1	0.0
20	QPSK	1	49	11.57	11.72	11.60		
20	QPSK	25	0	11.59	11.65	11.61		
20	QPSK	25	13	11.65	11.79	11.55	13.1	0.0
20	QPSK	25	26	11.58	11.69	11.68	13.1	0.0
20	QPSK	50	0	11.65	11.73	11.70		
20	16QAM	1	1	11.66	11.65	11.59		
20	64QAM	1	1	11.62	11.77	11.68	13.1	0.0
20	256QAM	1	1	11.60	11.66	11.60	13.1	0.0

PC2&3 n41 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.88	11.87	11.89	13.1	0.0
100	PI/2 BPSK	1	137	11.83	11.91	11.83		
100	PI/2 BPSK	1	271	11.89	11.83	11.89		
100	PI/2 BPSK	135	0	11.83	11.90	11.84	13.1	0.0
100	PI/2 BPSK	135	69	11.85	11.85	11.76	13.1	0.0
100	PI/2 BPSK	135	138	11.76	11.82	11.81	13.1	0.0
100	PI/2 BPSK	270	0	11.77	11.79	11.77		
100	QPSK	1	1	11.93	11.94	11.92		
100	QPSK	1	137	11.89	11.84	11.87	13.1	0.0
100	QPSK	1	271	11.77	11.77	11.84		
100	QPSK	135	0	11.87	11.89	11.77		
100	QPSK	135	69	11.80	11.81	11.76	13.1	0.0
100	QPSK	135	138	11.76	11.82	11.84	13.1	0.0
100	QPSK	270	0	11.85	11.86	11.80		
100	16QAM	1	1	11.79	11.82	11.81		
100	64QAM	1	1	11.87	11.84	11.87	13.1	0.0
100	256QAM	1	1	11.76	11.83	11.82	13.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	11.83	11.78	11.80	13.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	11.85	11.87	11.83	13.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	11.85	11.87	11.89	13.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	11.86	11.79	11.87	13.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	11.85	11.78	11.75	13.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	11.80	11.88	11.90	13.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	11.77	11.90	11.87	13.1	0.0



n38 Ant9 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.54	17.61	17.54	19.1	0.0
20	PI/2 BPSK	1	26	17.62	17.61	17.52		
20	PI/2 BPSK	1	49	17.53	17.57	17.44		
20	PI/2 BPSK	25	0	17.59	17.65	17.54	19.1	0.0
20	PI/2 BPSK	25	13	17.59	17.56	17.45	19.1	0.0
20	PI/2 BPSK	25	26	17.51	17.67	17.57	19.1	0.0
20	PI/2 BPSK	50	0	17.61	17.66	17.45		
20	QPSK	1	1	17.64	17.69	17.62		
20	QPSK	1	26	17.58	17.53	17.50	19.1	0.0
20	QPSK	1	49	17.56	17.54	17.54		
20	QPSK	25	0	17.52	17.59	17.47		
20	QPSK	25	13	17.49	17.66	17.47	19.1	0.0
20	QPSK	25	26	17.59	17.64	17.54	19.1	0.0
20	QPSK	50	0	17.52	17.64	17.46		
20	16QAM	1	1	17.61	17.55	17.53		
20	64QAM	1	1	17.51	17.62	17.52	19.1	0.0
20	256QAM	1	1	17.57	17.53	17.47	19.1	0.0

PC2&3 n41 Ant9 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.45	17.67	17.53	19.1	0.0
100	PI/2 BPSK	1	137	17.47	17.69	17.60		
100	PI/2 BPSK	1	271	17.56	17.70	17.61		
100	PI/2 BPSK	135	0	17.44	17.70	17.57	19.1	0.0
100	PI/2 BPSK	135	69	17.54	17.60	17.51	19.1	0.0
100	PI/2 BPSK	135	138	17.54	17.67	17.58	19.1	0.0
100	PI/2 BPSK	270	0	17.57	17.64	17.48		
100	QPSK	1	1	17.62	17.75	17.64		
100	QPSK	1	137	17.47	17.63	17.48	19.1	0.0
100	QPSK	1	271	17.54	17.59	17.59		
100	QPSK	135	0	17.51	17.59	17.59		
100	QPSK	135	69	17.53	17.67	17.48	19.1	0.0
100	QPSK	135	138	17.50	17.64	17.51	19.1	0.0
100	QPSK	270	0	17.59	17.66	17.52		
100	16QAM	1	1	17.47	17.62	17.62		
100	64QAM	1	1	17.49	17.70	17.59	19.1	0.0
100	256QAM	1	1	17.49	17.70	17.61	19.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.49	17.62	17.58	19.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.51	17.63	17.58	19.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.50	17.63	17.53	19.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.60	17.60	17.55	19.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.45	17.58	17.51	19.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.65	17.63	17.58	19.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.51	17.73	17.48	19.1	0.0



Reduced Power level for DSI 7

n5 Ant0 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.73	21.79	21.76	23.5	0.0
20	PI/2 BPSK	1	53	21.77	21.84	21.75		
20	PI/2 BPSK	1	104	21.79	21.79	21.65		
20	PI/2 BPSK	50	0	21.73	21.82	21.73	23.5	0.0
20	PI/2 BPSK	50	28	21.86	21.87	21.78	23.5	0.0
20	PI/2 BPSK	50	56	21.79	21.81	21.65	23.5	0.0
20	PI/2 BPSK	100	0	21.72	21.87	21.75		
20	QPSK	1	1	21.84	21.91	21.76	23.5	0.0
20	QPSK	1	53	21.72	21.81	21.75		
20	QPSK	1	104	21.81	21.85	21.75		
20	QPSK	50	0	21.81	21.83	21.76	23.5	0.0
20	QPSK	50	28	21.73	21.89	21.78	23.5	0.0
20	QPSK	50	56	21.76	21.78	21.77	23.5	0.0
20	QPSK	100	0	21.73	21.86	21.70		
20	16QAM	1	1	21.86	21.83	21.74	23.5	0.0
20	64QAM	1	1	21.79	21.85	21.64	23.5	0.0
20	256QAM	1	1	21.84	21.76	21.73	23.5	0.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	40	21.85	21.80	21.75	23.5	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	26	21.77	21.83	21.67	23.5	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	13	21.83	21.75	21.67	23.5	0.0



n7 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.75	17.84	17.83	19.4	0.0	
20	PI/2 BPSK	1	53	17.77	17.80	17.96			
20	PI/2 BPSK	1	104	17.81	17.84	17.84			
20	PI/2 BPSK	50	0	17.76	17.92	17.89	19.4	0.0	
20	PI/2 BPSK	50	28	17.78	17.90	17.79	19.4	0.0	
20	PI/2 BPSK	50	56	17.59	17.72	17.84	19.4	0.0	
20	PI/2 BPSK	100	0	17.64	17.69	17.77			
20	QPSK	1	1	17.90	18.02	17.83			
20	QPSK	1	53	17.70	17.93	17.87	19.4	0.0	
20	QPSK	1	104	17.78	17.78	17.88			
20	QPSK	50	0	17.79	17.85	17.71	19.4	0.0	
20	QPSK	50	28	17.81	17.95	17.93	19.4	0.0	
20	QPSK	50	56	17.68	17.78	17.84	19.4	0.0	
20	QPSK	100	0	17.59	17.90	17.74			
20	16QAM	1	1	17.84	17.81	17.77	19.4	0.0	
20	64QAM	1	1	17.86	17.80	17.77	19.4	0.0	
20	256QAM	1	1	17.73	17.92	17.91	19.4	0.0	
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.79	17.75	17.79	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.79	17.87	17.88	19.4	0.0	
Channel				500600	507000	513600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.78	17.77	17.81	19.4	0.0	

n66 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.34	21.36	21.15	23.1	0.0	
20	PI/2 BPSK	1	53	21.17	21.16	21.23			
20	PI/2 BPSK	1	104	21.32	21.37	21.21			
20	PI/2 BPSK	50	0	21.14	21.27	21.18	23.1	0.0	
20	PI/2 BPSK	50	28	21.13	21.28	21.12	23.1	0.0	
20	PI/2 BPSK	50	56	21.25	21.27	21.29	23.1	0.0	
20	PI/2 BPSK	100	0	21.14	21.17	21.19			
20	QPSK	1	1	21.28	21.40	21.35			
20	QPSK	1	53	21.30	21.21	21.30	23.1	0.0	
20	QPSK	1	104	21.23	21.29	21.16			
20	QPSK	50	0	21.16	21.25	21.11	23.1	0.0	
20	QPSK	50	28	21.19	21.38	21.25	23.1	0.0	
20	QPSK	50	56	21.24	21.18	21.11	23.1	0.0	
20	QPSK	100	0	21.28	21.40	21.31			
20	16QAM	1	1	21.22	21.36	21.20	23.1	0.0	
20	64QAM	1	1	21.13	21.36	21.23	23.1	0.0	
20	256QAM	1	1	21.21	21.33	21.23	23.1	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	21.28	21.31	21.07	23.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	21.29	21.31	21.16	23.1	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	21.41	21.29	21.10	23.1	0.0	



n38 Ant1 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.40	17.40	17.44	18.9	0.0
20	PI/2 BPSK	1	26	17.43	17.32	17.44		
20	PI/2 BPSK	1	49	17.45	17.44	17.20		
20	PI/2 BPSK	25	0	17.37	17.43	17.41	18.9	0.0
20	PI/2 BPSK	25	13	17.37	17.42	17.26	18.9	0.0
20	PI/2 BPSK	25	26	17.37	17.38	17.30	18.9	0.0
20	PI/2 BPSK	50	0	17.28	17.43	17.42		
20	QPSK	1	1	17.42	17.46	17.45		
20	QPSK	1	26	17.38	17.43	17.44	18.9	0.0
20	QPSK	1	49	17.36	17.43	17.42		
20	QPSK	25	0	17.43	17.32	17.29	18.9	0.0
20	QPSK	25	13	17.40	17.45	17.32	18.9	0.0
20	QPSK	25	26	17.38	17.43	17.44	18.9	0.0
20	QPSK	50	0	17.42	17.45	17.42		
20	16QAM	1	1	17.36	17.42	17.42	18.9	0.0
20	64QAM	1	1	17.44	17.43	17.42	18.9	0.0
20	256QAM	1	1	17.40	17.40	17.43	18.9	0.0

PC2&3 n41 Ant1 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.38	17.38	17.34	18.9	0.0
100	PI/2 BPSK	1	137	17.40	17.35	17.31		
100	PI/2 BPSK	1	271	17.30	17.41	17.21		
100	PI/2 BPSK	135	0	17.21	17.29	17.26	18.9	0.0
100	PI/2 BPSK	135	69	17.28	17.30	17.26	18.9	0.0
100	PI/2 BPSK	135	138	17.29	17.37	17.26	18.9	0.0
100	PI/2 BPSK	270	0	17.23	17.30	17.28		
100	QPSK	1	1	17.30	17.48	17.27		
100	QPSK	1	137	17.33	17.47	17.34	18.9	0.0
100	QPSK	1	271	17.21	17.44	17.38		
100	QPSK	135	0	17.37	17.26	17.36	18.9	0.0
100	QPSK	135	69	17.21	17.50	17.23	18.9	0.0
100	QPSK	135	138	17.39	17.33	17.40	18.9	0.0
100	QPSK	270	0	17.24	17.39	17.21		
100	16QAM	1	1	17.29	17.35	17.37	18.9	0.0
100	64QAM	1	1	17.34	17.35	17.27	18.9	0.0
100	256QAM	1	1	17.37	17.47	17.41	18.9	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.00	17.14	17.14	18.9	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.13	17.01	17.01	18.9	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.13	17.09	17.15	18.9	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.01	17.12	17.02	18.9	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.94	17.08	16.94	18.9	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.11	17.30	17.23	18.9	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.01	17.03	17.00	18.9	0.0



n5 Ant2 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	19.45	19.54	19.36	21.1	0.0
20	PI/2 BPSK	1	53	19.38	19.60	19.35		
20	PI/2 BPSK	1	104	19.45	19.60	19.40		
20	PI/2 BPSK	50	0	19.39	19.53	19.45	21.1	0.0
20	PI/2 BPSK	50	28	19.49	19.46	19.24	21.1	0.0
20	PI/2 BPSK	50	56	19.53	19.36	19.23	21.1	0.0
20	PI/2 BPSK	100	0	19.39	19.49	19.28		
20	QPSK	1	1	19.58	19.66	19.48		
20	QPSK	1	53	19.59	19.50	19.38	21.1	0.0
20	QPSK	1	104	19.53	19.46	19.23	21.1	0.0
20	QPSK	50	0	19.32	19.48	19.44		
20	QPSK	50	28	19.46	19.55	19.24		
20	QPSK	50	56	19.36	19.49	19.27	21.1	0.0
20	QPSK	100	0	19.36	19.57	19.38	21.1	0.0
20	16QAM	1	1	19.49	19.50	19.42		
20	64QAM	1	1	19.48	19.52	19.32		
20	256QAM	1	1	19.48	19.46	19.17	21.1	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	19.31	19.61	19.40	21.1	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	19.29	19.57	19.32	21.1	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	19.29	19.59	19.32	21.1	0.0



n7 Ant5 DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.28	14.19	14.20	16.1	0.0
20	PI/2 BPSK	1	53	14.33	14.16	14.29		
20	PI/2 BPSK	1	104	14.32	14.18	14.24		
20	PI/2 BPSK	50	0	14.16	14.17	14.20	16.1	0.0
20	PI/2 BPSK	50	28	14.35	14.26	14.15	16.1	0.0
20	PI/2 BPSK	50	56	14.22	14.31	14.32	16.1	0.0
20	PI/2 BPSK	100	0	14.26	14.23	14.16		
20	PI/2 BPSK	1	1	14.37	14.40	14.26		
20	QPSK	1	1	14.18	14.17	14.29	16.1	0.0
20	QPSK	1	53	14.13	14.19	14.38		
20	QPSK	1	104	14.26	14.12	14.17		
20	QPSK	50	0	14.12	14.30	14.22	16.1	0.0
20	QPSK	50	28	14.12	14.30	14.22	16.1	0.0
20	QPSK	50	56	14.05	14.05	14.14	16.1	0.0
20	QPSK	100	0	14.23	14.24	14.17		
20	16QAM	1	1	14.24	14.20	14.29		
20	64QAM	1	1	14.35	14.19	14.16	16.1	0.0
20	256QAM	1	1	14.27	14.30	14.25	16.1	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	14.26	14.28	14.27	16.1	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	14.20	14.17	14.31	16.1	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	14.21	14.23	14.39	16.1	0.0



n38 Ant5 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.24	14.19	14.26	16.1	0.0
20	PI/2 BPSK	1	26	14.32	14.27	14.37		
20	PI/2 BPSK	1	49	14.26	14.45	14.27		
20	PI/2 BPSK	25	0	14.34	14.33	14.12	16.1	0.0
20	PI/2 BPSK	25	13	14.15	14.22	14.37	16.1	0.0
20	PI/2 BPSK	25	26	14.16	14.31	14.38	16.1	0.0
20	PI/2 BPSK	50	0	14.39	14.41	14.19		
20	QPSK	1	1	14.43	14.46	14.33	16.1	0.0
20	QPSK	1	26	14.36	14.21	14.11		
20	QPSK	1	49	14.17	14.38	14.30		
20	QPSK	25	0	14.37	14.34	14.23	16.1	0.0
20	QPSK	25	13	14.37	14.38	14.23	16.1	0.0
20	QPSK	25	26	14.24	14.18	14.27	16.1	0.0
20	QPSK	50	0	14.23	14.33	14.32		
20	16QAM	1	1	14.24	14.33	14.36	16.1	0.0
20	64QAM	1	1	14.24	14.19	14.34	16.1	0.0
20	256QAM	1	1	14.15	14.37	14.36	16.1	0.0

PC2&3 n41 Ant5 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.95	13.89	13.76	15.7	0.0
100	PI/2 BPSK	1	137	13.81	13.99	13.98		
100	PI/2 BPSK	1	271	13.85	13.95	13.90		
100	PI/2 BPSK	135	0	13.96	13.92	13.86	15.7	0.0
100	PI/2 BPSK	135	69	13.83	13.94	13.80	15.7	0.0
100	PI/2 BPSK	135	138	13.97	13.86	13.88	15.7	0.0
100	PI/2 BPSK	270	0	13.80	14.01	13.92		
100	QPSK	1	1	13.92	14.07	13.99	15.7	0.0
100	QPSK	1	137	13.90	13.95	13.87		
100	QPSK	1	271	13.79	14.01	13.78		
100	QPSK	135	0	14.02	13.92	13.78	15.7	0.0
100	QPSK	135	69	13.91	14.05	13.89	15.7	0.0
100	QPSK	135	138	13.79	13.95	13.94	15.7	0.0
100	QPSK	270	0	13.84	14.01	13.85		
100	16QAM	1	1	13.74	13.79	13.95	15.7	0.0
100	64QAM	1	1	13.90	13.93	13.90	15.7	0.0
100	256QAM	1	1	13.86	13.90	13.85	15.7	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.96	14.01	13.88	15.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.88	14.02	13.83	15.7	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.86	13.99	13.84	15.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.93	13.89	13.88	15.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.83	13.90	13.92	15.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.00	13.99	13.94	15.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.81	14.04	13.84	15.7	0.0



n7 Ant6 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	12.07	11.94	12.13	13.6	0.0	
20	PI/2 BPSK	1	53	12.18	12.17	12.12			
20	PI/2 BPSK	1	104	12.09	12.14	11.88			
20	PI/2 BPSK	50	0	12.07	12.14	12.16	13.6	0.0	
20	PI/2 BPSK	50	28	12.04	12.07	12.11	13.6	0.0	
20	PI/2 BPSK	50	56	12.18	12.17	12.10	13.6	0.0	
20	PI/2 BPSK	100	0	12.20	11.99	12.23			
20	QPSK	1	1	12.25	12.26	12.14			
20	QPSK	1	53	11.90	12.05	12.08	13.6	0.0	
20	QPSK	1	104	12.03	12.06	12.06			
20	QPSK	50	0	11.79	12.11	12.08			
20	QPSK	50	28	12.13	12.25	12.05	13.6	0.0	
20	QPSK	50	56	11.93	12.14	12.11	13.6	0.0	
20	QPSK	100	0	12.12	12.18	12.12			
20	16QAM	1	1	12.10	12.20	11.78			
20	64QAM	1	1	12.08	11.94	11.85	13.6	0.0	
20	256QAM	1	1	11.98	11.98	12.10	13.6	0.0	
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	12.15	12.13	12.09	13.6	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	12.07	12.09	12.11	13.6	0.0	
Channel				500600	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	12.10	12.13	12.07	13.6	0.0	

n66 Ant6 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	16.07	15.99	15.84	17.5	0.0	
20	PI/2 BPSK	1	53	16.09	15.91	16.02			
20	PI/2 BPSK	1	104	15.90	16.14	15.78			
20	PI/2 BPSK	50	0	15.96	16.00	16.03	17.5	0.0	
20	PI/2 BPSK	50	28	15.86	16.09	15.83	17.5	0.0	
20	PI/2 BPSK	50	56	15.93	16.07	16.01	17.5	0.0	
20	PI/2 BPSK	100	0	16.03	16.04	16.08			
20	QPSK	1	1	16.02	16.22	15.89			
20	QPSK	1	53	15.97	16.07	16.03	17.5	0.0	
20	QPSK	1	104	16.03	16.14	15.97			
20	QPSK	50	0	16.02	16.12	15.97			
20	QPSK	50	28	15.91	16.16	16.05	17.5	0.0	
20	QPSK	50	56	15.84	15.99	15.91	17.5	0.0	
20	QPSK	100	0	15.92	16.09	15.98			
20	16QAM	1	1	15.99	16.10	15.99			
20	64QAM	1	1	15.96	16.00	15.93	17.5	0.0	
20	256QAM	1	1	15.92	16.06	16.04	17.5	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	15.98	16.06	15.97	17.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	15.96	16.04	15.99	17.5	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	15.88	15.93	15.98	17.5	0.0	



n38 Ant6 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	12.03	12.25	12.01	13.8	0.0
20	PI/2 BPSK	1	26	11.97	12.23	11.99		
20	PI/2 BPSK	1	49	12.00	12.10	12.03		
20	PI/2 BPSK	25	0	12.10	12.10	11.98	13.8	0.0
20	PI/2 BPSK	25	13	11.94	12.25	11.98	13.8	0.0
20	PI/2 BPSK	25	26	12.04	12.11	12.03	13.8	0.0
20	PI/2 BPSK	50	0	12.06	12.13	12.12		
20	QPSK	1	1	12.12	12.27	12.15		
20	QPSK	1	26	12.07	12.14	12.12	13.8	0.0
20	QPSK	1	49	12.07	12.25	12.06		
20	QPSK	25	0	12.10	12.15	11.98	13.8	0.0
20	QPSK	25	13	12.00	12.20	12.11	13.8	0.0
20	QPSK	25	26	12.03	12.10	12.08	13.8	0.0
20	QPSK	50	0	11.96	12.19	12.13		
20	16QAM	1	1	12.06	12.21	11.98	13.8	0.0
20	64QAM	1	1	12.02	12.23	11.97	13.8	0.0
20	256QAM	1	1	12.04	12.22	12.01	13.8	0.0

PC2&3 n41 Ant6 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.26	12.45	12.20	13.8	0.0
100	PI/2 BPSK	1	137	12.21	12.45	12.28		
100	PI/2 BPSK	1	271	12.21	12.36	12.18		
100	PI/2 BPSK	135	0	12.19	12.41	12.23	13.8	0.0
100	PI/2 BPSK	135	69	12.25	12.34	12.29	13.8	0.0
100	PI/2 BPSK	135	138	12.18	12.39	12.24	13.8	0.0
100	PI/2 BPSK	270	0	12.24	12.31	12.32		
100	QPSK	1	1	12.32	12.47	12.36		
100	QPSK	1	137	12.22	12.37	12.19	13.8	0.0
100	QPSK	1	271	12.16	12.38	12.26		
100	QPSK	135	0	12.23	12.36	12.29	13.8	0.0
100	QPSK	135	69	12.24	12.39	12.30	13.8	0.0
100	QPSK	135	138	12.22	12.34	12.28	13.8	0.0
100	QPSK	270	0	12.23	12.37	12.28		
100	16QAM	1	1	12.29	12.38	12.32	13.8	0.0
100	64QAM	1	1	12.23	12.41	12.19	13.8	0.0
100	256QAM	1	1	12.21	12.30	12.24	13.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	12.29	12.43	12.31	13.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	12.27	12.35	12.31	13.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	12.21	12.36	12.24	13.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	12.19	12.37	12.28	13.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	12.19	12.32	12.32	13.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	12.30	12.33	12.43	13.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	12.22	12.41	12.33	13.8	0.0



n38 Ant9 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	18.19	18.17	17.98	19.8	0.0
20	PI/2 BPSK	1	26	18.14	18.17	18.02		
20	PI/2 BPSK	1	49	18.18	18.19	18.13		
20	PI/2 BPSK	25	0	18.14	18.28	18.00	19.8	0.0
20	PI/2 BPSK	25	13	18.12	18.14	18.04	19.8	0.0
20	PI/2 BPSK	25	26	18.06	18.15	18.12	19.8	0.0
20	PI/2 BPSK	50	0	18.17	18.14	18.09		
20	QPSK	1	1	18.21	18.31	18.15		
20	QPSK	1	26	18.11	18.24	18.10	19.8	0.0
20	QPSK	1	49	18.07	18.13	18.03		
20	QPSK	25	0	18.18	18.26	18.08		
20	QPSK	25	13	18.08	18.20	18.07	19.8	0.0
20	QPSK	25	26	18.08	18.24	18.08	19.8	0.0
20	QPSK	50	0	18.16	18.24	17.97		
20	16QAM	1	1	18.10	18.19	18.08		
20	64QAM	1	1	18.06	18.26	18.05	19.8	0.0
20	256QAM	1	1	18.08	18.20	18.05	19.8	0.0

PC2&3 n41 Ant9 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.24	18.24	18.25	19.8	0.0
100	PI/2 BPSK	1	137	18.20	18.25	18.24		
100	PI/2 BPSK	1	271	18.20	18.34	18.32		
100	PI/2 BPSK	135	0	18.21	18.28	18.31	19.8	0.0
100	PI/2 BPSK	135	69	18.27	18.33	18.32	19.8	0.0
100	PI/2 BPSK	135	138	18.28	18.33	18.29	19.8	0.0
100	PI/2 BPSK	270	0	18.24	18.30	18.19		
100	QPSK	1	1	18.37	18.38	18.36		
100	QPSK	1	137	18.23	18.28	18.25	19.8	0.0
100	QPSK	1	271	18.27	18.26	18.31		
100	QPSK	135	0	18.22	18.24	18.20		
100	QPSK	135	69	18.26	18.31	18.21	19.8	0.0
100	QPSK	135	138	18.29	18.21	18.28	19.8	0.0
100	QPSK	270	0	18.24	18.35	18.21		
100	16QAM	1	1	18.21	18.36	18.21		
100	64QAM	1	1	18.33	18.31	18.32	19.8	0.0
100	256QAM	1	1	18.26	18.25	18.25	19.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	18.25	18.32	18.33	19.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	18.25	18.34	18.19	19.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.35	18.20	18.31	19.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	18.23	18.35	18.20	19.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	53	18.20	18.30	18.25	19.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.33	18.36	18.20	19.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.24	18.26	18.18	19.8	0.0



Reduced Power level for DSI 9

n5 Ant0 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				831	836.5	839			
20	PI/2 BPSK	1	1	21.07	21.09	21.17	22.8	0.0	
20	PI/2 BPSK	1	53	21.03	21.17	21.09			
20	PI/2 BPSK	1	104	20.99	21.19	21.07			
20	PI/2 BPSK	50	0	21.09	21.21	21.17	22.8	0.0	
20	PI/2 BPSK	50	28	20.91	21.21	21.15	22.8	0.0	
20	PI/2 BPSK	50	56	20.96	21.18	21.13	22.8	0.0	
20	PI/2 BPSK	100	0	21.02	21.02	21.13			
20	QPSK	1	1	21.10	21.23	21.17			
20	QPSK	1	53	21.00	21.13	21.03	22.8	0.0	
20	QPSK	1	104	21.00	21.21	21.03			
20	QPSK	50	0	21.10	21.09	21.06			
20	QPSK	50	28	20.88	21.16	21.13	22.8	0.0	
20	QPSK	50	56	21.07	21.10	21.09	22.8	0.0	
20	QPSK	100	0	21.03	21.12	21.11			
20	16QAM	1	1	21.08	21.09	21.10			
20	64QAM	1	1	21.05	21.01	20.96	22.8	0.0	
20	256QAM	1	1	20.98	21.20	21.13	22.8	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	20.98	21.07	21.07	22.8	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	20.97	21.21	21.17	22.8	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	13	20.98	21.13	20.97	22.8	0.0	



n7 Ant1 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.22	17.27	17.35	18.7	0.0	
20	PI/2 BPSK	1	53	17.35	17.36	17.42			
20	PI/2 BPSK	1	104	17.33	17.31	17.36			
20	PI/2 BPSK	50	0	17.22	17.41	17.39	18.7	0.0	
20	PI/2 BPSK	50	28	17.29	17.35	17.35	18.7	0.0	
20	PI/2 BPSK	50	56	17.14	17.29	17.33	18.7	0.0	
20	PI/2 BPSK	100	0	17.19	17.23	17.27	18.7	0.0	
20	QPSK	1	1	17.33	17.44	17.40	18.7	0.0	
20	QPSK	1	53	17.14	17.42	17.33			
20	QPSK	1	104	17.21	17.29	17.31			
20	QPSK	50	0	17.35	17.27	17.23	18.7	0.0	
20	QPSK	50	28	17.28	17.42	17.36	18.7	0.0	
20	QPSK	50	56	17.25	17.34	17.34	18.7	0.0	
20	QPSK	100	0	17.16	17.37	17.29	18.7	0.0	
20	16QAM	1	1	17.32	17.35	17.31	18.7	0.0	
20	64QAM	1	1	17.31	17.29	17.25	18.7	0.0	
20	256QAM	1	1	17.30	17.34	17.37	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.21	17.34	17.37	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.19	17.29	17.43	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.28	17.41	17.40	18.7	0.0	

n66 Ant1 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.14	17.32	17.19	19.0	0.0	
20	PI/2 BPSK	1	53	17.13	17.36	17.28			
20	PI/2 BPSK	1	104	17.13	17.36	17.28			
20	PI/2 BPSK	50	0	17.12	17.41	17.28	19.0	0.0	
20	PI/2 BPSK	50	28	17.12	17.34	17.21	19.0	0.0	
20	PI/2 BPSK	50	56	17.18	17.40	17.18	19.0	0.0	
20	PI/2 BPSK	100	0	17.18	17.31	17.22	19.0	0.0	
20	QPSK	1	1	17.27	17.44	17.34	19.0	0.0	
20	QPSK	1	53	17.13	17.40	17.28			
20	QPSK	1	104	17.24	17.37	17.25			
20	QPSK	50	0	17.19	17.33	17.20	19.0	0.0	
20	QPSK	50	28	17.22	17.41	17.23	19.0	0.0	
20	QPSK	50	56	17.20	17.36	17.30	19.0	0.0	
20	QPSK	100	0	17.12	17.40	17.30	19.0	0.0	
20	16QAM	1	1	17.19	17.26	17.18	19.0	0.0	
20	64QAM	1	1	17.15	17.34	17.30	19.0	0.0	
20	256QAM	1	1	17.25	17.35	17.19	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	17.23	17.34	17.17	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.14	17.30	17.32	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	17.17	17.40	17.19	19.0	0.0	



n38 Ant1 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.38	16.39	16.46	18.0	0.0
20	PI/2 BPSK	1	26	16.33	16.53	16.31		
20	PI/2 BPSK	1	49	16.30	16.44	16.35		
20	PI/2 BPSK	25	0	16.31	16.49	16.41	18.0	0.0
20	PI/2 BPSK	25	13	16.32	16.42	16.34	18.0	0.0
20	PI/2 BPSK	25	26	16.44	16.41	16.35	18.0	0.0
20	PI/2 BPSK	50	0	16.45	16.64	16.32		
20	QPSK	1	1	16.59	16.68	16.49	18.0	0.0
20	QPSK	1	26	16.43	16.53	16.31		
20	QPSK	1	49	16.43	16.57	16.34		
20	QPSK	25	0	16.34	16.49	16.31	18.0	0.0
20	QPSK	25	13	16.29	16.55	16.27	18.0	0.0
20	QPSK	25	26	16.43	16.48	16.45	18.0	0.0
20	QPSK	50	0	16.40	16.48	16.34		
20	16QAM	1	1	16.41	16.40	16.29	18.0	0.0
20	64QAM	1	1	16.37	16.38	16.48	18.0	0.0
20	256QAM	1	1	16.41	16.60	16.33	18.0	0.0

PC2&3 n41 Ant1 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.41	16.60	16.42	18.0	0.0
100	PI/2 BPSK	1	137	16.38	16.58	16.42		
100	PI/2 BPSK	1	271	16.46	16.59	16.36		
100	PI/2 BPSK	135	0	16.42	16.57	16.39	18.0	0.0
100	PI/2 BPSK	135	69	16.41	16.67	16.37	18.0	0.0
100	PI/2 BPSK	135	138	16.50	16.54	16.41	18.0	0.0
100	PI/2 BPSK	270	0	16.36	16.67	16.39		
100	QPSK	1	1	16.54	16.70	16.53	18.0	0.0
100	QPSK	1	137	16.47	16.61	16.45		
100	QPSK	1	271	16.40	16.68	16.51		
100	QPSK	135	0	16.39	16.66	16.47	18.0	0.0
100	QPSK	135	69	16.43	16.67	16.45	18.0	0.0
100	QPSK	135	138	16.42	16.55	16.37	18.0	0.0
100	QPSK	270	0	16.37	16.59	16.50		
100	16QAM	1	1	16.39	16.53	16.49	18.0	0.0
100	64QAM	1	1	16.38	16.64	16.43	18.0	0.0
100	256QAM	1	1	16.36	16.53	16.35	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.52	16.63	16.41	18.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	16.45	16.53	16.40	18.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.40	16.55	16.38	18.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.44	16.62	16.47	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.37	16.67	16.36	18.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.65	16.70	16.38	18.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.50	16.65	16.48	18.0	0.0



n5 Ant2 DS19

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	20.84	20.90	20.83	22.5	0.0
20	PI/2 BPSK	1	53	20.82	20.87	20.77		
20	PI/2 BPSK	1	104	20.78	20.79	20.79		
20	PI/2 BPSK	50	0	20.88	20.91	20.81		
20	PI/2 BPSK	50	28	20.86	20.82	20.77		
20	PI/2 BPSK	50	56	20.88	20.80	20.85		
20	PI/2 BPSK	100	0	20.86	20.78	20.85	22.5	0.0
20	QPSK	1	1	20.85	20.93	20.88	22.5	0.0
20	QPSK	1	53	20.80	20.86	20.82		
20	QPSK	1	104	20.82	20.80	20.80		
20	QPSK	50	0	20.87	20.85	20.82		
20	QPSK	50	28	20.84	20.85	20.80		
20	QPSK	50	56	20.83	20.76	20.77		
20	QPSK	100	0	20.80	20.87	20.84	22.5	0.0
20	16QAM	1	1	20.81	20.90	20.77	22.5	0.0
20	64QAM	1	1	20.77	20.80	20.86	22.5	0.0
20	256QAM	1	1	20.79	20.84	20.82	22.5	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.75	20.85	20.79	22.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.86	20.85	20.79	22.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.76	20.85	20.79	22.5	0.0



n7 Ant5 DSI9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.64	16.64	16.59	18.3	0.0
20	PI/2 BPSK	1	53	16.74	16.71	16.60		
20	PI/2 BPSK	1	104	16.63	16.73	16.59		
20	PI/2 BPSK	50	0	16.64	16.73	16.50	18.3	0.0
20	PI/2 BPSK	50	28	16.63	16.71	16.54	18.3	0.0
20	PI/2 BPSK	50	56	16.69	16.66	16.62	18.3	0.0
20	PI/2 BPSK	100	0	16.74	16.73	16.58		
20	QPSK	1	1	16.72	16.75	16.62		
20	QPSK	1	53	16.68	16.63	16.50	18.3	0.0
20	QPSK	1	104	16.62	16.66	16.65		
20	QPSK	50	0	16.66	16.71	16.66		
20	QPSK	50	28	16.72	16.73	16.54	18.3	0.0
20	QPSK	50	56	16.72	16.71	16.54	18.3	0.0
20	QPSK	100	0	16.63	16.70	16.50		
20	16QAM	1	1	16.64	16.66	16.59		
20	64QAM	1	1	16.62	16.65	16.59	18.3	0.0
20	256QAM	1	1	16.63	16.64	16.51	18.3	0.0
Channel				501600	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	16.69	16.62	16.51	18.3	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	16.71	16.71	16.58	18.3	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	16.64	16.66	16.56	18.3	0.0



n38 Ant5 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2580	2595	2610		
Frequency (MHz)								
20	PI/2 BPSK	1	1	17.11	17.19	17.18	18.8	0.0
20	PI/2 BPSK	1	26	17.09	17.26	17.06		
20	PI/2 BPSK	1	49	17.09	17.18	17.07		
20	PI/2 BPSK	25	0	17.23	17.25	17.14	18.8	0.0
20	PI/2 BPSK	25	13	17.13	17.18	17.08	18.8	0.0
20	PI/2 BPSK	25	26	17.19	17.25	17.04	18.8	0.0
20	PI/2 BPSK	50	0	17.16	17.23	17.04		
20	QPSK	1	1	17.22	17.28	17.16	18.8	0.0
20	QPSK	1	26	17.22	17.27	17.08		
20	QPSK	1	49	17.10	17.22	17.09		
20	QPSK	25	0	17.22	17.18	17.10	18.8	0.0
20	QPSK	25	13	17.13	17.27	17.03	18.8	0.0
20	QPSK	25	26	17.17	17.24	17.09	18.8	0.0
20	QPSK	50	0	17.22	17.24	17.13		
20	16QAM	1	1	17.11	17.22	17.11	18.8	0.0
20	64QAM	1	1	17.09	17.24	17.10	18.8	0.0
20	256QAM	1	1	17.10	17.20	17.12	18.8	0.0

PC2&3 n41 Ant5 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.20	17.31	17.19	18.8	0.0
100	PI/2 BPSK	1	137	17.26	17.24	17.13		
100	PI/2 BPSK	1	271	17.14	17.24	17.14		
100	PI/2 BPSK	135	0	17.22	17.25	17.24	18.8	0.0
100	PI/2 BPSK	135	69	17.21	17.27	17.11	18.8	0.0
100	PI/2 BPSK	135	138	17.17	17.31	17.19	18.8	0.0
100	PI/2 BPSK	270	0	17.25	17.30	17.16		
100	QPSK	1	1	17.24	17.37	17.22	18.8	0.0
100	QPSK	1	137	17.20	17.22	17.21		
100	QPSK	1	271	17.25	17.24	17.17		
100	QPSK	135	0	17.22	17.26	17.17	18.8	0.0
100	QPSK	135	69	17.11	17.32	17.24	18.8	0.0
100	QPSK	135	138	17.18	17.23	17.12	18.8	0.0
100	QPSK	270	0	17.16	17.30	17.14		
100	16QAM	1	1	17.19	17.26	17.23	18.8	0.0
100	64QAM	1	1	17.23	17.28	17.22	18.8	0.0
100	256QAM	1	1	17.18	17.26	17.25	18.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.19	17.21	17.21	18.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.16	17.25	17.23	18.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.21	17.25	17.21	18.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.11	17.24	17.21	18.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.19	17.26	17.16	18.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.22	17.29	17.20	18.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.12	17.34	17.23	18.8	0.0



n7 Ant6 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.93	15.03	14.86	16.2	0.0	
20	PI/2 BPSK	1	53	14.93	14.97	14.84			
20	PI/2 BPSK	1	104	14.89	15.04	14.95			
20	PI/2 BPSK	50	0	14.87	15.00	14.86	16.2	0.0	
20	PI/2 BPSK	50	28	14.96	15.03	14.99	16.2	0.0	
20	PI/2 BPSK	50	56	14.95	15.00	14.91	16.2	0.0	
20	PI/2 BPSK	100	0	14.96	14.95	14.92	16.2	0.0	
20	QPSK	1	1	14.96	15.09	15.01	16.2	0.0	
20	QPSK	1	53	14.95	15.02	14.95			
20	QPSK	1	104	14.86	15.00	14.94			
20	QPSK	50	0	14.80	15.02	15.00	16.2	0.0	
20	QPSK	50	28	14.88	15.05	15.00	16.2	0.0	
20	QPSK	50	56	14.90	14.98	14.82	16.2	0.0	
20	QPSK	100	0	15.00	15.03	14.91	16.2	0.0	
20	16QAM	1	1	14.94	15.02	14.90	16.2	0.0	
20	64QAM	1	1	14.95	15.01	14.90	16.2	0.0	
20	256QAM	1	1	14.98	15.07	14.97	16.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	14.90	15.06	14.88	16.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	14.83	14.99	14.90	16.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	14.88	15.01	14.90	16.2	0.0	

n66 Ant6 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.82	18.89	18.78	20.2	0.0	
20	PI/2 BPSK	1	53	18.85	18.83	18.77			
20	PI/2 BPSK	1	104	18.81	18.87	18.75			
20	PI/2 BPSK	50	0	18.76	18.79	18.80	20.2	0.0	
20	PI/2 BPSK	50	28	18.87	18.86	18.80	20.2	0.0	
20	PI/2 BPSK	50	56	18.79	18.82	18.67	20.2	0.0	
20	PI/2 BPSK	100	0	18.76	18.87	18.67	20.2	0.0	
20	QPSK	1	1	18.85	18.91	18.79	20.2	0.0	
20	QPSK	1	53	18.82	18.90	18.76			
20	QPSK	1	104	18.80	18.82	18.79			
20	QPSK	50	0	18.75	18.85	18.73	20.2	0.0	
20	QPSK	50	28	18.80	18.90	18.75	20.2	0.0	
20	QPSK	50	56	18.81	18.89	18.81	20.2	0.0	
20	QPSK	100	0	18.80	18.87	18.70	20.2	0.0	
20	16QAM	1	1	18.82	18.90	18.75	20.2	0.0	
20	64QAM	1	1	18.79	18.89	18.68	20.2	0.0	
20	256QAM	1	1	18.85	18.78	18.67	20.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	18.75	18.82	18.77	20.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	18.72	18.80	18.71	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	18.85	18.86	18.77	20.2	0.0	



n38 Ant6 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.58	14.71	14.64	16.4	0.0
20	PI/2 BPSK	1	26	14.60	14.63	14.53		
20	PI/2 BPSK	1	49	14.72	14.75	14.58		
20	PI/2 BPSK	25	0	14.66	14.69	14.66	16.4	0.0
20	PI/2 BPSK	25	13	14.67	14.71	14.61	16.4	0.0
20	PI/2 BPSK	25	26	14.58	14.64	14.63	16.4	0.0
20	PI/2 BPSK	50	0	14.66	14.69	14.58		
20	QPSK	1	1	14.71	14.76	14.64		
20	QPSK	1	26	14.74	14.68	14.64	16.4	0.0
20	QPSK	1	49	14.61	14.72	14.66		
20	QPSK	25	0	14.71	14.68	14.59		
20	QPSK	25	13	14.71	14.72	14.66	16.4	0.0
20	QPSK	25	26	14.63	14.66	14.56	16.4	0.0
20	QPSK	50	0	14.59	14.68	14.61		
20	16QAM	1	1	14.63	14.75	14.67		
20	64QAM	1	1	14.69	14.64	14.63	16.4	0.0
20	256QAM	1	1	14.74	14.68	14.62	16.4	0.0

PC2&3 n41 Ant6 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.86	14.96	14.78	16.4	0.0
100	PI/2 BPSK	1	137	14.87	14.96	14.79		
100	PI/2 BPSK	1	271	14.87	14.91	14.91		
100	PI/2 BPSK	135	0	14.89	14.91	14.92	16.4	0.0
100	PI/2 BPSK	135	69	14.95	14.89	14.84	16.4	0.0
100	PI/2 BPSK	135	138	14.85	14.98	14.88	16.4	0.0
100	PI/2 BPSK	270	0	14.94	14.99	14.85		
100	QPSK	1	1	14.93	15.00	14.90		
100	QPSK	1	137	14.86	14.98	14.86	16.4	0.0
100	QPSK	1	271	14.92	14.96	14.89		
100	QPSK	135	0	14.89	14.92	14.89		
100	QPSK	135	69	14.84	14.95	14.78	16.4	0.0
100	QPSK	135	138	14.80	14.91	14.80	16.4	0.0
100	QPSK	270	0	14.86	14.99	14.81		
100	16QAM	1	1	14.83	14.89	14.92		
100	64QAM	1	1	14.96	14.96	14.86	16.4	0.0
100	256QAM	1	1	14.82	14.90	14.90	16.4	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	14.81	14.91	14.78	16.4	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	14.95	14.89	14.85	16.4	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	14.82	14.88	14.87	16.4	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	14.82	14.89	14.81	16.4	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	14.93	14.97	14.86	16.4	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.90	14.88	14.86	16.4	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	14.84	14.91	14.86	16.4	0.0



n38 Ant9 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	18.73	18.76	18.69	20.1	0.0
20	PI/2 BPSK	1	26	18.59	18.71	18.67		
20	PI/2 BPSK	1	49	18.66	18.70	18.67		
20	PI/2 BPSK	25	0	18.71	18.73	18.63	20.1	0.0
20	PI/2 BPSK	25	13	18.61	18.71	18.69	20.1	0.0
20	PI/2 BPSK	25	26	18.66	18.76	18.75	20.1	0.0
20	PI/2 BPSK	50	0	18.73	18.76	18.65	20.1	0.0
20	QPSK	1	1	18.70	18.82	18.73	20.1	0.0
20	QPSK	1	26	18.71	18.77	18.69		
20	QPSK	1	49	18.66	18.70	18.62		
20	QPSK	25	0	18.59	18.81	18.73	20.1	0.0
20	QPSK	25	13	18.69	18.79	18.72	20.1	0.0
20	QPSK	25	26	18.61	18.80	18.70	20.1	0.0
20	QPSK	50	0	18.65	18.79	18.61	20.1	0.0
20	16QAM	1	1	18.63	18.75	18.73	20.1	0.0
20	64QAM	1	1	18.69	18.79	18.74	20.1	0.0
20	256QAM	1	1	18.64	18.72	18.71	20.1	0.0

PC3&2 n41 Ant6 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.91	18.86	18.74	20.1	0.0
100	PI/2 BPSK	1	137	18.91	18.87	18.85		
100	PI/2 BPSK	1	271	18.97	18.94	18.81		
100	PI/2 BPSK	135	0	18.92	18.92	18.77	20.1	0.0
100	PI/2 BPSK	135	69	18.92	18.95	18.77	20.1	0.0
100	PI/2 BPSK	135	138	18.86	18.88	18.85	20.1	0.0
100	PI/2 BPSK	270	0	18.83	18.87	18.79		
100	QPSK	1	1	18.84	18.98	18.78		
100	QPSK	1	137	18.87	18.85	18.86	20.1	0.0
100	QPSK	1	271	18.83	18.91	18.84	20.1	0.0
100	QPSK	135	0	18.93	18.89	18.87	20.1	0.0
100	QPSK	135	69	18.85	18.97	18.90	20.1	0.0
100	QPSK	135	138	18.91	18.86	18.77	20.1	0.0
100	QPSK	270	0	18.84	18.95	18.76		
100	16QAM	1	1	18.96	18.93	18.88		
100	64QAM	1	1	18.90	18.96	18.84	20.1	0.0
100	256QAM	1	1	18.92	18.99	18.90	20.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	18.85	18.87	18.87	20.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	18.85	18.95	18.81	20.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.90	18.89	18.84	20.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	18.85	18.94	18.87	20.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	18.94	18.92	18.77	20.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.90	18.88	18.92	20.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.86	18.96	18.82	20.1	0.0



Reduced Power level for DSI11

n5 Ant0 DSI11								
BW [MHz]	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	167600		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.73	21.79	21.76	23.5	0.0
20	PI/2 BPSK	1	53	21.77	21.84	21.75		
20	PI/2 BPSK	1	104	21.79	21.79	21.85		
20	PI/2 BPSK	50	0	21.73	21.82	21.73	23.5	0.0
20	PI/2 BPSK	50	28	21.86	21.87	21.78	23.5	0.0
20	PI/2 BPSK	50	56	21.79	21.81	21.85	23.5	0.0
20	PI/2 BPSK	100	0	21.72	21.87	21.75		
20	QPSK	1	1	21.84	21.81	21.76		
20	QPSK	1	53	21.72	21.81	21.75	23.5	0.0
20	QPSK	1	104	21.81	21.85	21.75	23.5	0.0
20	QPSK	50	0	21.81	21.83	21.76		
20	QPSK	50	28	21.73	21.89	21.78		
20	QPSK	50	56	21.76	21.78	21.77	23.5	0.0
20	QPSK	100	0	21.73	21.86	21.70		
20	16QAM	1	1	21.86	21.83	21.74		
20	64QAM	1	1	21.79	21.85	21.84	23.5	0.0
20	256QAM	1	1	21.84	21.76	21.73	23.5	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	40	21.85	21.80	21.75	23.5	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	26	21.77	21.83	21.67	23.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				823.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	13	21.83	21.75	21.67	23.5	0.0



n7 Ant1 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.75	17.84	17.83	19.4	0.0	
20	PI/2 BPSK	1	53	17.77	17.80	17.96			
20	PI/2 BPSK	1	104	17.81	17.84	17.84			
20	PI/2 BPSK	50	0	17.78	17.92	17.89	19.4	0.0	
20	PI/2 BPSK	50	28	17.78	17.90	17.79	19.4	0.0	
20	PI/2 BPSK	50	56	17.59	17.72	17.84	19.4	0.0	
20	PI/2 BPSK	100	0	17.64	17.69	17.77			
20	QPSK	1	1	17.90	18.02	17.83			
20	QPSK	1	53	17.70	17.93	17.87	19.4	0.0	
20	QPSK	1	104	17.78	17.78	17.88			
20	QPSK	50	0	17.79	17.85	17.71			19.4
20	QPSK	50	28	17.81	17.95	17.93	19.4	0.0	
20	QPSK	50	56	17.68	17.78	17.84	19.4	0.0	
20	QPSK	100	0	17.59	17.90	17.74			
20	16QAM	1	1	17.84	17.81	17.77			19.4
20	64QAM	1	1	17.86	17.80	17.77	19.4	0.0	
20	256QAM	1	1	17.73	17.92	17.91	19.4	0.0	
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.79	17.75	17.79	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.79	17.87	17.88	19.4	0.0	
Channel				500600	507000	513600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.78	17.77	17.81	19.4	0.0	

n66 Ant1 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.93	17.92	17.84	19.7	0.0	
20	PI/2 BPSK	1	53	17.98	18.00	17.80			
20	PI/2 BPSK	1	104	17.96	17.95	17.94			
20	PI/2 BPSK	50	0	18.01	17.95	17.91	19.7	0.0	
20	PI/2 BPSK	50	28	17.95	17.91	17.88	19.7	0.0	
20	PI/2 BPSK	50	56	18.01	18.03	17.85	19.7	0.0	
20	PI/2 BPSK	100	0	17.90	18.01	17.85			
20	QPSK	1	1	17.99	18.06	17.92			
20	QPSK	1	53	17.94	17.96	17.80	19.7	0.0	
20	QPSK	1	104	17.91	18.05	17.79			
20	QPSK	50	0	17.88	17.96	17.82			19.7
20	QPSK	50	28	17.97	18.05	17.94	19.7	0.0	
20	QPSK	50	56	17.91	17.95	17.83	19.7	0.0	
20	QPSK	100	0	17.90	18.00	17.84			
20	16QAM	1	1	17.93	18.00	17.91			19.7
20	64QAM	1	1	17.90	18.05	17.79	19.7	0.0	
20	256QAM	1	1	17.83	17.91	17.88	19.7	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	17.99	17.93	17.90	19.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.89	18.02	17.85	19.7	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	17.88	18.05	17.80	19.7	0.0	



n38 Ant1 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.17	17.22	17.15	18.7	0.0
20	PI/2 BPSK	1	26	17.17	17.17	17.26		
20	PI/2 BPSK	1	49	17.10	17.19	17.17		
20	PI/2 BPSK	25	0	17.12	17.24	17.22	18.7	0.0
20	PI/2 BPSK	25	13	17.11	17.21	17.15	18.7	0.0
20	PI/2 BPSK	25	26	17.14	17.25	17.20	18.7	0.0
20	PI/2 BPSK	50	0	17.12	17.16	17.22		
20	QPSK	1	1	17.20	17.28	17.26		
20	QPSK	1	26	17.17	17.18	17.20	18.7	0.0
20	QPSK	1	49	17.18	17.21	17.20		
20	QPSK	25	0	17.19	17.22	17.13		
20	QPSK	25	13	17.17	17.26	17.19	18.7	0.0
20	QPSK	25	26	17.10	17.19	17.21	18.7	0.0
20	QPSK	50	0	17.17	17.25	17.23		
20	16QAM	1	1	17.17	17.16	17.27		
20	64QAM	1	1	17.09	17.16	17.22	18.7	0.0
20	256QAM	1	1	17.07	17.18	17.11	18.7	0.0

PC2&3 n41 Ant1 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.20	17.29	17.21	18.7	0.0
100	PI/2 BPSK	1	137	17.21	17.32	17.20		
100	PI/2 BPSK	1	271	17.19	17.24	17.23		
100	PI/2 BPSK	135	0	17.14	17.21	17.13	18.7	0.0
100	PI/2 BPSK	135	69	17.13	17.25	17.21	18.7	0.0
100	PI/2 BPSK	135	138	17.18	17.21	17.20	18.7	0.0
100	PI/2 BPSK	270	0	17.24	17.23	17.13		
100	QPSK	1	1	17.25	17.34	17.23		
100	QPSK	1	137	17.24	17.25	17.11	18.7	0.0
100	QPSK	1	271	17.19	17.25	17.15		
100	QPSK	135	0	17.12	17.29	17.22		
100	QPSK	135	69	17.21	17.32	17.23	18.7	0.0
100	QPSK	135	138	17.19	17.29	17.13	18.7	0.0
100	QPSK	270	0	17.21	17.29	17.19		
100	16QAM	1	1	17.25	17.23	17.10		
100	64QAM	1	1	17.19	17.32	17.14	18.7	0.0
100	256QAM	1	1	17.15	17.29	17.13	18.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.14	17.24	17.19	18.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.14	17.28	17.11	18.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.23	17.24	17.15	18.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.18	17.23	17.19	18.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.21	17.33	17.16	18.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.26	17.30	17.34	18.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.16	17.22	17.24	18.7	0.0



n5 Ant2 DSI11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	21.33	21.37	21.26	23.2	0.0
20	PI/2 BPSK	1	53	21.30	21.39	21.27		
20	PI/2 BPSK	1	104	21.30	21.41	21.31		
20	PI/2 BPSK	50	0	21.27	21.43	21.24	23.2	0.0
20	PI/2 BPSK	50	28	21.33	21.36	21.28	23.2	0.0
20	PI/2 BPSK	50	56	21.35	21.37	21.27	23.2	0.0
20	PI/2 BPSK	100	0	21.32	21.45	21.29		
20	QPSK	1	1	21.41	21.50	21.37		
20	QPSK	1	53	21.34	21.44	21.26	23.2	0.0
20	QPSK	1	104	21.30	21.36	21.29		
20	QPSK	50	0	21.35	21.44	21.30		
20	QPSK	50	28	21.35	21.42	21.30	23.2	0.0
20	QPSK	50	56	21.34	21.43	21.31	23.2	0.0
20	QPSK	100	0	21.29	21.38	21.24		
20	16QAM	1	1	21.32	21.37	21.28		
20	64QAM	1	1	21.31	21.43	21.26	23.2	0.0
20	256QAM	1	1	21.31	21.37	21.22	23.2	0.0
Channel				166800	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	21.31	21.35	21.29	23.2	0.0
Channel				165300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	21.28	21.35	21.24	23.2	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	21.31	21.37	21.31	23.2	0.0



n7 Ant5 DS11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.21	17.31	17.17	19.0	0.0
20	PI/2 BPSK	1	53	17.26	17.31	17.25		
20	PI/2 BPSK	1	104	17.26	17.28	17.23		
20	PI/2 BPSK	50	0	17.28	17.31	17.24	19.0	0.0
20	PI/2 BPSK	50	28	17.20	17.25	17.25	19.0	0.0
20	PI/2 BPSK	50	56	17.26	17.32	17.21	19.0	0.0
20	PI/2 BPSK	100	0	17.26	17.29	17.16		
20	QPSK	1	1	17.32	17.37	17.28		
20	QPSK	1	53	17.22	17.28	17.19	19.0	0.0
20	QPSK	1	104	17.29	17.29	17.25		
20	QPSK	50	0	17.24	17.27	17.23		
20	QPSK	50	28	17.28	17.30	17.25	19.0	0.0
20	QPSK	50	56	17.22	17.29	17.20	19.0	0.0
20	QPSK	100	0	17.25	17.28	17.18		
20	16QAM	1	1	17.21	17.30	17.16		
20	64QAM	1	1	17.20	17.31	17.25	19.0	0.0
20	256QAM	1	1	17.26	17.31	17.25	19.0	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	17.27	17.28	17.21	19.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	17.21	17.26	17.17	19.0	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	17.22	17.30	17.26	19.0	0.0



n38 Ant5 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.65	17.77	17.67	19.5	0.0
20	PI/2 BPSK	1	26	17.68	17.75	17.64		
20	PI/2 BPSK	1	49	17.68	17.75	17.64	19.5	0.0
20	PI/2 BPSK	25	0	17.66	17.71	17.64		
20	PI/2 BPSK	25	13	17.71	17.76	17.69	19.5	0.0
20	PI/2 BPSK	25	26	17.70	17.71	17.68		
20	PI/2 BPSK	50	0	17.72	17.74	17.70	19.5	0.0
20	QPSK	1	1	17.76	17.81	17.76		
20	QPSK	1	26	17.66	17.71	17.73	19.5	0.0
20	QPSK	1	49	17.73	17.73	17.68		
20	QPSK	25	0	17.70	17.70	17.66	19.5	0.0
20	QPSK	25	13	17.65	17.75	17.74		
20	QPSK	25	26	17.72	17.74	17.67	19.5	0.0
20	QPSK	50	0	17.70	17.73	17.68		
20	16QAM	1	1	17.73	17.70	17.67	19.5	0.0
20	64QAM	1	1	17.72	17.73	17.73		
20	256QAM	1	1	17.68	17.79	17.71	19.5	0.0

PC2&3 n41 Ant5 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.77	17.82	17.75	19.5	0.0
100	PI/2 BPSK	1	137	17.79	17.86	17.69		
100	PI/2 BPSK	1	271	17.83	17.85	17.67	19.5	0.0
100	PI/2 BPSK	135	0	17.75	17.82	17.67		
100	PI/2 BPSK	135	69	17.79	17.85	17.75	19.5	0.0
100	PI/2 BPSK	135	138	17.74	17.87	17.72		
100	PI/2 BPSK	270	0	17.74	17.85	17.69	19.5	0.0
100	QPSK	1	1	17.86	17.90	17.78		
100	QPSK	1	137	17.83	17.83	17.73	19.5	0.0
100	QPSK	1	271	17.76	17.87	17.71		
100	QPSK	135	0	17.77	17.82	17.69	19.5	0.0
100	QPSK	135	69	17.79	17.87	17.66		
100	QPSK	135	138	17.78	17.78	17.72	19.5	0.0
100	QPSK	270	0	17.80	17.83	17.74		
100	16QAM	1	1	17.83	17.87	17.73	19.5	0.0
100	64QAM	1	1	17.76	17.78	17.71		
100	256QAM	1	1	17.83	17.83	17.69	19.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.84	17.81	17.70	19.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.84	17.85	17.74	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.74	17.84	17.75	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.76	17.85	17.68	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.82	17.83	17.67	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.88	17.90	17.76	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.83	17.82	17.72	19.5	0.0



n7 Ant6 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.46	15.53	15.37	16.9	0.0	
20	PI/2 BPSK	1	53	15.44	15.50	15.37			
20	PI/2 BPSK	1	104	15.47	15.48	15.43			
20	PI/2 BPSK	50	0	15.40	15.45	15.36	16.9	0.0	
20	PI/2 BPSK	50	28	15.44	15.48	15.40	16.9	0.0	
20	PI/2 BPSK	50	56	15.45	15.48	15.42	16.9	0.0	
20	PI/2 BPSK	100	0	15.40	15.46	15.36			
20	PI/2 BPSK	1	1	15.54	15.60	15.48			
20	QPSK	1	53	15.41	15.46	15.40	16.9	0.0	
20	QPSK	1	104	15.42	15.48	15.41			
20	QPSK	50	0	15.48	15.50	15.40			
20	QPSK	50	28	15.49	15.53	15.40	16.9	0.0	
20	QPSK	50	56	15.42	15.50	15.34	16.9	0.0	
20	QPSK	100	0	15.49	15.52	15.39			
20	16QAM	1	1	15.45	15.53	15.38			
20	64QAM	1	1	15.46	15.53	15.33	16.9	0.0	
20	256QAM	1	1	15.45	15.53	15.38	16.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.9	0.0	
15	QPSK	1	40	15.40	15.52	15.42	16.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.9	0.0	
10	QPSK	1	26	15.45	15.52	15.38	16.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.9	0.0	
5	QPSK	1	13	15.44	15.46	15.41	16.9	0.0	

n66 Ant6 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	19.37	19.45	19.35	20.9	0.0	
20	PI/2 BPSK	1	53	19.38	19.47	19.35			
20	PI/2 BPSK	1	104	19.37	19.45	19.35			
20	PI/2 BPSK	50	0	19.37	19.47	19.35	20.9	0.0	
20	PI/2 BPSK	50	28	19.38	19.46	19.36	20.9	0.0	
20	PI/2 BPSK	50	56	19.36	19.45	19.34			
20	PI/2 BPSK	100	0	19.37	19.46	19.36			
20	QPSK	1	1	19.47	19.56	19.45	20.9	0.0	
20	QPSK	1	53	19.36	19.47	19.35			
20	QPSK	1	104	19.37	19.46	19.34			
20	QPSK	50	0	19.37	19.46	19.35	20.9	0.0	
20	QPSK	50	28	19.37	19.47	19.35	20.9	0.0	
20	QPSK	50	56	19.38	19.46	19.35			
20	QPSK	100	0	19.38	19.46	19.35			
20	16QAM	1	1	19.37	19.45	19.36	20.9	0.0	
20	64QAM	1	1	19.36	19.46	19.35	20.9	0.0	
20	256QAM	1	1	19.38	19.46	19.36	20.9	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	20.9	0.0	
15	QPSK	1	40	19.37	19.46	19.35	20.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	20.9	0.0	
10	QPSK	1	26	19.37	19.46	19.34	20.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	20.9	0.0	
5	QPSK	1	13	19.36	19.46	19.34	20.9	0.0	



n38 Ant6 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	15.26	15.35	15.24	17.1	0.0
20	PI/2 BPSK	1	26	15.25	15.34	15.23		
20	PI/2 BPSK	1	49	15.25	15.36	15.25		
20	PI/2 BPSK	25	0	15.26	15.36	15.25	17.1	0.0
20	PI/2 BPSK	25	13	15.24	15.35	15.24	17.1	0.0
20	PI/2 BPSK	25	26	15.26	15.36	15.23	17.1	0.0
20	PI/2 BPSK	50	0	15.25	15.34	15.24		
20	PI/2 BPSK	1	1	15.30	15.40	15.29		
20	QPSK	1	26	15.25	15.36	15.23	17.1	0.0
20	QPSK	1	49	15.26	15.35	15.25		
20	QPSK	25	0	15.25	15.34	15.24		
20	QPSK	25	13	15.26	15.36	15.24	17.1	0.0
20	QPSK	25	26	15.26	15.34	15.25	17.1	0.0
20	QPSK	50	0	15.25	15.35	15.24		
20	16QAM	1	1	15.25	15.35	15.24		
20	64QAM	1	1	15.11	15.22	15.24	17.1	0.0
20	256QAM	1	1	15.18	15.36	15.24	17.1	0.0

PC2&3 n41 Ant6 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.17	15.34	15.36	17.1	0.0
100	PI/2 BPSK	1	137	15.18	15.48	15.53		
100	PI/2 BPSK	1	271	15.12	15.41	15.47		
100	PI/2 BPSK	135	0	15.30	15.48	15.34	17.1	0.0
100	PI/2 BPSK	135	69	15.14	15.35	15.34	17.1	0.0
100	PI/2 BPSK	135	138	15.23	15.40	15.36	17.1	0.0
100	PI/2 BPSK	270	0	15.23	15.34	15.33		
100	QPSK	1	1	15.34	15.54	15.52		
100	QPSK	1	137	15.22	15.51	15.37	17.1	0.0
100	QPSK	1	271	15.15	15.32	15.38		
100	QPSK	135	0	15.21	15.40	15.32		
100	QPSK	135	69	15.29	15.44	15.40	17.1	0.0
100	QPSK	135	138	15.28	15.42	15.14	17.1	0.0
100	QPSK	270	0	15.20	15.40	15.39		
100	16QAM	1	1	15.20	15.36	15.50		
100	64QAM	1	1	15.14	15.51	15.40	17.1	0.0
100	256QAM	1	1	15.24	15.39	15.45	17.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	15.27	15.48	15.41	17.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	15.35	15.37	15.34	17.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	15.12	15.53	15.50	17.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	15.36	15.50	15.47	17.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	15.31	15.49	15.49	17.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	15.33	15.43	15.50	17.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	15.21	15.53	15.43	17.1	0.0



n38 Ant9 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	19.17	19.20	18.98	20.8	0.0
20	PI/2 BPSK	1	26	19.10	19.21	19.20		
20	PI/2 BPSK	1	49	19.15	19.20	19.07		
20	PI/2 BPSK	25	0	19.06	19.19	19.09	20.8	0.0
20	PI/2 BPSK	25	13	19.20	19.23	19.04	20.8	0.0
20	PI/2 BPSK	25	26	19.12	19.26	19.14	20.8	0.0
20	PI/2 BPSK	50	0	19.10	19.19	19.17		
20	QPSK	1	1	19.23	19.28	19.20		
20	QPSK	1	26	19.05	19.23	19.12	20.8	0.0
20	QPSK	1	49	19.25	19.23	19.09		
20	QPSK	25	0	19.14	19.19	19.16		
20	QPSK	25	13	19.16	19.24	19.08	20.8	0.0
20	QPSK	25	26	19.11	19.20	19.11	20.8	0.0
20	QPSK	50	0	19.12	19.15	19.05		
20	16QAM	1	1	19.17	19.17	19.00		
20	64QAM	1	1	19.16	19.11	19.03	20.8	0.0
20	256QAM	1	1	19.21	19.22	19.09	20.8	0.0

PC2&3 n41 Ant9 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.23	19.38	19.08	20.8	0.0
100	PI/2 BPSK	1	137	19.16	19.45	19.23		
100	PI/2 BPSK	1	271	19.16	19.45	19.16		
100	PI/2 BPSK	135	0	19.25	19.27	19.18	20.8	0.0
100	PI/2 BPSK	135	69	19.29	19.42	19.19	20.8	0.0
100	PI/2 BPSK	135	138	19.28	19.30	19.11	20.8	0.0
100	PI/2 BPSK	270	0	19.19	19.27	19.14		
100	QPSK	1	1	19.29	19.48	19.30		
100	QPSK	1	137	19.30	19.38	19.27	20.8	0.0
100	QPSK	1	271	19.19	19.27	19.29		
100	QPSK	135	0	19.13	19.30	19.28		
100	QPSK	135	69	19.21	19.33	19.17	20.8	0.0
100	QPSK	135	138	19.15	19.31	19.20	20.8	0.0
100	QPSK	270	0	19.17	19.28	19.12		
100	16QAM	1	1	19.13	19.34	19.26		
100	64QAM	1	1	19.15	19.29	19.11	20.8	0.0
100	256QAM	1	1	19.13	19.31	19.27	20.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	19.11	19.27	19.29	20.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2592.99	2649.99		
80	QPSK	1	109	19.15	19.40	19.18	20.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	19.13	19.38	19.11	20.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	19.30	19.27	19.23	20.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	19.19	19.36	19.28	20.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	19.30	19.28	19.41	20.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	19.20	19.26	19.31	20.8	0.0



Reduced Power level for DSI 13

n5 Ant0 DSI13								
BW [MHz]	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	22.8	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.08	21.27	21.13		
20	PI/2 BPSK	1	53	21.21	21.07	21.07	22.8	0.0
20	PI/2 BPSK	1	104	21.03	21.26	21.05		
20	PI/2 BPSK	50	0	21.02	21.15	21.12		
20	PI/2 BPSK	50	28	21.10	21.19	21.07	22.8	0.0
20	PI/2 BPSK	50	56	21.04	21.29	21.12		
20	PI/2 BPSK	100	0	21.06	21.17	21.05		
20	QPSK	1	1	21.13	21.34	21.25	22.8	0.0
20	QPSK	1	53	21.06	21.18	21.13		
20	QPSK	1	104	21.10	21.15	21.06		
20	QPSK	50	0	21.18	21.17	21.09	22.8	0.0
20	QPSK	50	28	21.08	21.28	21.21		
20	QPSK	50	56	21.09	21.25	21.09		
20	QPSK	100	0	21.03	21.20	21.15	22.8	0.0
20	16QAM	1	1	21.15	21.20	21.18		
20	64QAM	1	1	21.13	21.17	21.07		
20	256QAM	1	1	21.11	21.14	21.05	22.8	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	21.08	21.13	21.09	22.8	0.0
Channel				165800	167300	168800	22.8	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	21.11	21.10	21.15		
Channel				165300	167300	169300	22.8	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	21.08	21.12	21.03		



n7 Ant1 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	16.90	16.99	16.79	18.7	0.0	
20	PI/2 BPSK	1	53	17.03	16.88	16.79			
20	PI/2 BPSK	1	104	16.99	16.93	16.87			
20	PI/2 BPSK	50	0	16.86	16.92	16.84	18.7	0.0	
20	PI/2 BPSK	50	28	16.89	16.97	16.76	18.7	0.0	
20	PI/2 BPSK	50	56	17.03	17.03	16.87	18.7	0.0	
20	PI/2 BPSK	100	0	17.02	16.90	16.78	18.7	0.0	
20	QPSK	1	1	16.96	17.06	17.03	18.7	0.0	
20	QPSK	1	53	16.95	16.94	16.80			
20	QPSK	1	104	16.77	16.84	16.78			
20	QPSK	50	0	16.96	17.00	16.90	18.7	0.0	
20	QPSK	50	28	16.77	17.02	16.98	18.7	0.0	
20	QPSK	50	56	16.89	17.01	16.87	18.7	0.0	
20	QPSK	100	0	16.99	17.00	16.97	18.7	0.0	
20	16QAM	1	1	16.92	16.91	16.97	18.7	0.0	
20	64QAM	1	1	16.91	16.92	16.76	18.7	0.0	
20	256QAM	1	1	16.81	16.89	16.79	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.7	0.0	
15	QPSK	1	40	16.84	16.88	16.96	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	18.7	0.0	
10	QPSK	1	26	16.85	16.93	16.94	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	18.7	0.0	
5	QPSK	1	13	16.88	16.89	16.93	18.7	0.0	

n66 Ant1 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.40	17.34	17.26	19.0	0.0	
20	PI/2 BPSK	1	53	17.41	17.38	17.23			
20	PI/2 BPSK	1	104	17.60	17.52	17.26			
20	PI/2 BPSK	50	0	17.47	17.52	17.22	19.0	0.0	
20	PI/2 BPSK	50	28	17.41	17.39	17.32	19.0	0.0	
20	PI/2 BPSK	50	56	17.44	17.52	17.31	19.0	0.0	
20	PI/2 BPSK	100	0	17.45	17.47	17.33	19.0	0.0	
20	QPSK	1	1	17.33	17.62	17.60	19.0	0.0	
20	QPSK	1	53	17.41	17.42	17.28			
20	QPSK	1	104	17.32	17.31	17.31			
20	QPSK	50	0	17.56	17.50	17.32	19.0	0.0	
20	QPSK	50	28	17.26	17.61	17.52	19.0	0.0	
20	QPSK	50	56	17.47	17.47	17.42	19.0	0.0	
20	QPSK	100	0	17.46	17.60	17.37	19.0	0.0	
20	16QAM	1	1	17.38	17.36	17.42	19.0	0.0	
20	64QAM	1	1	17.45	17.35	17.23	19.0	0.0	
20	256QAM	1	1	17.27	17.30	17.32	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	19.0	0.0	
15	QPSK	1	40	17.30	17.54	17.42	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	19.0	0.0	
10	QPSK	1	26	17.24	17.52	17.48	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	19.0	0.0	
5	QPSK	1	13	17.22	17.48	17.53	19.0	0.0	



n38 Ant1 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.46	16.56	16.34	18.0	0.0
20	PI/2 BPSK	1	26	16.47	16.35	16.34		
20	PI/2 BPSK	1	49	16.54	16.36	16.40		
20	PI/2 BPSK	25	0	16.33	16.37	16.31	18.0	0.0
20	PI/2 BPSK	25	13	16.45	16.50	16.25	18.0	0.0
20	PI/2 BPSK	25	26	16.46	16.54	16.42	18.0	0.0
20	PI/2 BPSK	50	0	16.55	16.36	16.24		
20	QPSK	1	1	16.59	16.62	16.53	18.0	0.0
20	QPSK	1	26	16.43	16.38	16.22		
20	QPSK	1	49	16.22	16.36	16.20		
20	QPSK	25	0	16.42	16.51	16.46	18.0	0.0
20	QPSK	25	13	16.28	16.56	16.50	18.0	0.0
20	QPSK	25	26	16.39	16.43	16.38	18.0	0.0
20	QPSK	50	0	16.41	16.49	16.42		
20	16QAM	1	1	16.37	16.37	16.47	18.0	0.0
20	64QAM	1	1	16.42	16.41	16.31	18.0	0.0
20	256QAM	1	1	16.24	16.36	16.26	18.0	0.0

PC2&3 n41 Ant1 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.31	16.41	16.31	18.0	0.0
100	PI/2 BPSK	1	137	16.35	16.39	16.30		
100	PI/2 BPSK	1	271	16.30	16.34	16.29		
100	PI/2 BPSK	135	0	16.34	16.34	16.29	18.0	0.0
100	PI/2 BPSK	135	69	16.29	16.39	16.34	18.0	0.0
100	PI/2 BPSK	135	138	16.30	16.31	16.29	18.0	0.0
100	PI/2 BPSK	270	0	16.29	16.34	16.29		
100	QPSK	1	1	16.55	16.65	16.54	18.0	0.0
100	QPSK	1	137	16.32	16.42	16.36		
100	QPSK	1	271	16.30	16.40	16.31		
100	QPSK	135	0	16.35	16.45	16.34	18.0	0.0
100	QPSK	135	69	16.43	16.51	16.43	18.0	0.0
100	QPSK	135	138	16.40	16.50	16.42	18.0	0.0
100	QPSK	270	0	16.42	16.53	16.44		
100	16QAM	1	1	16.29	16.33	16.28	18.0	0.0
100	64QAM	1	1	16.43	16.52	16.38	18.0	0.0
100	256QAM	1	1	16.34	16.42	16.31	18.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.43	16.51	16.48	18.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	16.45	16.52	16.43	18.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.43	16.51	16.43	18.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.46	16.55	16.43	18.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.41	16.60	16.44	18.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.44	16.48	16.50	18.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.41	16.58	16.46	18.0	0.0



n5 Ant2 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	18.65	18.75	18.68	20.4	0.0
20	PI/2 BPSK	1	53	18.76	18.61	18.66		
20	PI/2 BPSK	1	104	18.73	18.66	18.66		
20	PI/2 BPSK	50	0	18.69	18.73	18.77		
20	PI/2 BPSK	50	28	18.77	18.77	18.61		
20	PI/2 BPSK	50	56	18.75	18.85	18.72		
20	PI/2 BPSK	100	0	18.70	18.71	18.60	20.4	0.0
20	QPSK	1	1	18.85	18.92	18.67	20.4	0.0
20	QPSK	1	53	18.63	18.75	18.66		
20	QPSK	1	104	18.70	18.71	18.76		
20	QPSK	50	0	18.63	18.67	18.62		
20	QPSK	50	28	18.77	18.69	18.73		
20	QPSK	50	56	18.66	18.65	18.68		
20	QPSK	100	0	18.71	18.75	18.60	20.4	0.0
20	16QAM	1	1	18.66	18.63	18.80	20.4	0.0
20	64QAM	1	1	18.76	18.68	18.64	20.4	0.0
20	256QAM	1	1	18.61	18.79	18.68	20.4	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	18.72	18.86	18.61	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	18.75	18.84	18.56	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.71	18.75	18.51	20.4	0.0



n7 Ant5 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.79	13.89	13.83	15.4	0.0
20	PI/2 BPSK	1	53	13.86	13.70	13.77		
20	PI/2 BPSK	1	104	13.77	13.75	13.98		
20	PI/2 BPSK	50	0	13.74	13.83	13.92	15.4	0.0
20	PI/2 BPSK	50	28	13.90	13.89	13.65	15.4	0.0
20	PI/2 BPSK	50	56	13.93	13.93	13.78	15.4	0.0
20	PI/2 BPSK	100	0	13.84	13.77	13.71		
20	QPSK	1	1	13.98	14.07	14.02		
20	QPSK	1	53	13.79	13.87	13.80	15.4	0.0
20	QPSK	1	104	13.76	13.76	13.86		
20	QPSK	50	0	13.71	13.91	13.90		
20	QPSK	50	28	13.89	14.02	13.82	15.4	0.0
20	QPSK	50	56	13.75	13.79	13.80	15.4	0.0
20	QPSK	100	0	13.74	13.90	13.66		
20	16QAM	1	1	13.82	13.70	13.84		
20	64QAM	1	1	13.87	13.73	13.70	15.4	0.0
20	256QAM	1	1	13.99	13.86	13.83	15.4	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	13.90	13.99	13.92	15.4	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	13.93	14.02	13.85	15.4	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	13.85	13.98	13.85	15.4	0.0



n38 Ant5 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	13.64	13.68	13.71	15.4	0.0
20	PI/2 BPSK	1	26	13.84	13.61	13.69		
20	PI/2 BPSK	1	49	13.78	13.66	13.80		
20	PI/2 BPSK	25	0	13.70	13.70	13.85	15.4	0.0
20	PI/2 BPSK	25	13	13.79	13.76	13.66	15.4	0.0
20	PI/2 BPSK	25	26	13.72	13.90	13.77	15.4	0.0
20	PI/2 BPSK	50	0	13.66	13.77	13.64		
20	QPSK	1	1	13.80	13.92	13.69		
20	QPSK	1	26	13.63	13.82	13.65	15.4	0.0
20	QPSK	1	49	13.62	13.65	13.74		
20	QPSK	25	0	13.65	13.86	13.86		
20	QPSK	25	13	13.77	13.91	13.68	15.4	0.0
20	QPSK	25	26	13.73	13.63	13.68	15.4	0.0
20	QPSK	50	0	13.66	13.75	13.62		
20	16QAM	1	1	13.73	13.69	13.87		
20	64QAM	1	1	13.80	13.75	13.63	15.4	0.0
20	256QAM	1	1	13.59	13.72	13.62	15.4	0.0

PC2&3 n41 Ant5 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.18	13.21	13.25	15.0	0.0
100	PI/2 BPSK	1	137	13.37	13.16	13.22		
100	PI/2 BPSK	1	271	13.30	13.21	13.23		
100	PI/2 BPSK	135	0	13.17	13.18	13.37	15.0	0.0
100	PI/2 BPSK	135	69	13.35	13.33	13.10	15.0	0.0
100	PI/2 BPSK	135	138	13.28	13.37	13.23	15.0	0.0
100	PI/2 BPSK	270	0	13.20	13.29	13.14		
100	QPSK	1	1	13.39	13.46	13.33		
100	QPSK	1	137	13.09	13.39	13.13	15.0	0.0
100	QPSK	1	271	13.09	13.16	13.17		
100	QPSK	135	0	13.11	13.35	13.43		
100	QPSK	135	69	13.32	13.44	13.10	15.0	0.0
100	QPSK	135	138	13.18	13.18	13.20	15.0	0.0
100	QPSK	270	0	13.13	13.32	13.12		
100	16QAM	1	1	13.17	13.13	13.30		
100	64QAM	1	1	13.31	13.28	13.18	15.0	0.0
100	256QAM	1	1	13.17	13.22	13.07	15.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.30	13.41	13.24	15.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.24	13.40	13.20	15.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.24	13.31	13.28	15.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.22	13.43	13.18	15.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.30	13.37	13.16	15.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.33	13.45	13.30	15.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.23	13.35	13.24	15.0	0.0



n7 Ant6 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.41	11.43	11.56	12.9	0.0	
20	PI/2 BPSK	1	53	11.57	11.34	11.42			
20	PI/2 BPSK	1	104	11.56	11.47	11.57			
20	PI/2 BPSK	50	0	11.56	11.54	11.58	12.9	0.0	
20	PI/2 BPSK	50	28	11.66	11.51	11.49	12.9	0.0	
20	PI/2 BPSK	50	56	11.46	11.66	11.60	12.9	0.0	
20	PI/2 BPSK	100	0	11.39	11.58	11.39			
20	QPSK	1	1	11.69	11.80	11.74	12.9	0.0	
20	QPSK	1	53	11.46	11.55	11.51			
20	QPSK	1	104	11.48	11.53	11.52			
20	QPSK	50	0	11.47	11.65	11.60	12.9	0.0	
20	QPSK	50	28	11.58	11.69	11.44	12.9	0.0	
20	QPSK	50	56	11.59	11.46	11.55	12.9	0.0	
20	QPSK	100	0	11.44	11.50	11.43			
20	16QAM	1	1	11.59	11.49	11.62	12.9	0.0	
20	64QAM	1	1	11.54	11.55	11.44	12.9	0.0	
20	256QAM	1	1	11.44	11.48	11.45	12.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	12.9	0.0	
15	QPSK	1	40	11.62	11.78	11.56	12.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	12.9	0.0	
10	QPSK	1	26	11.60	11.63	11.69	12.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	12.9	0.0	
5	QPSK	1	13	11.57	11.74	11.72	12.9	0.0	

n66 Ant6 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.20	15.19	15.13	16.8	0.0	
20	PI/2 BPSK	1	53	15.41	15.12	15.11			
20	PI/2 BPSK	1	104	15.21	15.17	15.32			
20	PI/2 BPSK	50	0	15.18	15.15	15.31	16.8	0.0	
20	PI/2 BPSK	50	28	15.37	15.26	15.14	16.8	0.0	
20	PI/2 BPSK	50	56	15.14	15.28	15.20	16.8	0.0	
20	PI/2 BPSK	100	0	15.15	15.26	15.11			
20	QPSK	1	1	15.29	15.44	15.15	16.8	0.0	
20	QPSK	1	53	15.06	15.30	15.09			
20	QPSK	1	104	15.05	15.15	15.21			
20	QPSK	50	0	15.17	15.38	15.29	16.8	0.0	
20	QPSK	50	28	15.20	15.42	15.22	16.8	0.0	
20	QPSK	50	56	15.20	15.09	15.25	16.8	0.0	
20	QPSK	100	0	15.20	15.24	15.06			
20	16QAM	1	1	15.26	15.17	15.30	16.8	0.0	
20	64QAM	1	1	15.32	15.28	15.18	16.8	0.0	
20	256QAM	1	1	15.33	15.17	15.08	16.8	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.8	0.0	
15	QPSK	1	40	15.16	15.27	15.28	16.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.8	0.0	
10	QPSK	1	26	15.26	15.38	15.21	16.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.8	0.0	
5	QPSK	1	13	15.13	15.40	15.26	16.8	0.0	



n38 Ant6 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	11.50	11.53	11.42	13.1	0.0
20	PI/2 BPSK	1	26	11.47	11.51	11.55		
20	PI/2 BPSK	1	49	11.47	11.61	11.49	13.1	0.0
20	PI/2 BPSK	25	0	11.58	11.48	11.64		
20	PI/2 BPSK	25	13	11.49	11.43	11.54	13.1	0.0
20	PI/2 BPSK	25	26	11.47	11.48	11.45	13.1	0.0
20	PI/2 BPSK	50	0	11.60	11.60	11.62		
20	QPSK	1	1	11.52	11.67	11.61	13.1	0.0
20	QPSK	1	26	11.53	11.48	11.61		
20	QPSK	1	49	11.64	11.65	11.56	13.1	0.0
20	QPSK	25	0	11.55	11.56	11.47		
20	QPSK	25	13	11.57	11.64	11.58	13.1	0.0
20	QPSK	25	26	11.46	11.48	11.60	13.1	0.0
20	QPSK	50	0	11.48	11.53	11.46		
20	16QAM	1	1	11.48	11.47	11.43	13.1	0.0
20	64QAM	1	1	11.51	11.60	11.46	13.1	0.0
20	256QAM	1	1	11.44	11.48	11.44	13.1	0.0

PC2&3 n41 Ant6 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.56	11.62	11.49	13.1	0.0
100	PI/2 BPSK	1	137	11.45	11.58	11.61		
100	PI/2 BPSK	1	271	11.45	11.73	11.50	13.1	0.0
100	PI/2 BPSK	135	0	11.60	11.49	11.58		
100	PI/2 BPSK	135	69	11.55	11.48	11.61	13.1	0.0
100	PI/2 BPSK	135	138	11.46	11.51	11.54	13.1	0.0
100	PI/2 BPSK	270	0	11.60	11.62	11.72		
100	QPSK	1	1	11.58	11.75	11.71	13.1	0.0
100	QPSK	1	137	11.55	11.57	11.62		
100	QPSK	1	271	11.63	11.65	11.61	13.1	0.0
100	QPSK	135	0	11.58	11.54	11.57		
100	QPSK	135	69	11.54	11.66	11.63	13.1	0.0
100	QPSK	135	138	11.47	11.46	11.59	13.1	0.0
100	QPSK	270	0	11.46	11.55	11.52		
100	16QAM	1	1	11.56	11.44	11.49	13.1	0.0
100	64QAM	1	1	11.55	11.70	11.51	13.1	0.0
100	256QAM	1	1	11.48	11.56	11.44	13.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	11.49	11.60	11.63	13.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	11.44	11.73	11.62	13.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	11.46	11.70	11.56	13.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	11.53	11.60	11.64	13.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	11.50	11.67	11.59	13.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	11.53	11.69	11.70	13.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	11.43	11.59	11.60	13.1	0.0



n38 Ant9 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	17.69	17.73	17.67	19.1	0.0	
20	PI/2 BPSK	1	26	17.67	17.72	17.74			
20	PI/2 BPSK	1	49	17.80	17.70	17.67			
20	PI/2 BPSK	25	0	17.70	17.74	17.69	19.1	0.0	
20	PI/2 BPSK	25	13	17.63	17.76	17.74	19.1	0.0	
20	PI/2 BPSK	25	26	17.69	17.72	17.71	19.1	0.0	
20	PI/2 BPSK	50	0	17.72	17.73	17.66			
20	QPSK	1	1	17.81	17.83	17.68	19.1	0.0	
20	QPSK	1	26	17.72	17.80	17.76			
20	QPSK	1	49	17.72	17.60	17.68			
20	QPSK	25	0	17.68	17.71	17.70			
20	QPSK	25	13	17.72	17.81	17.74			
20	QPSK	25	26	17.70	17.63	17.71			
20	QPSK	50	0	17.64	17.77	17.61			
20	16QAM	1	1	17.81	17.64	17.80			
20	64QAM	1	1	17.73	17.77	17.59			
20	256QAM	1	1	17.78	17.79	17.66			

PC2&3 n41 Ant9 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.59	17.84	17.72	19.1	0.0	
100	PI/2 BPSK	1	137	17.78	17.58	17.66			
100	PI/2 BPSK	1	271	17.67	17.71	17.55			
100	PI/2 BPSK	135	0	17.64	17.61	17.68	19.1	0.0	
100	PI/2 BPSK	135	69	17.71	17.66	17.63	19.1	0.0	
100	PI/2 BPSK	135	138	17.62	17.81	17.74	19.1	0.0	
100	PI/2 BPSK	270	0	17.71	17.55	17.61			
100	QPSK	1	1	17.66	17.85	17.63	19.1	0.0	
100	QPSK	1	137	17.78	17.66	17.79			
100	QPSK	1	271	17.53	17.70	17.77			
100	QPSK	135	0	17.72	17.68	17.72			
100	QPSK	135	69	17.67	17.82	17.59			
100	QPSK	135	138	17.64	17.46	17.35			
100	QPSK	270	0	17.58	17.77	17.62			
100	16QAM	1	1	17.61	17.63	17.71			
100	64QAM	1	1	17.69	17.56	17.52			
100	256QAM	1	1	17.68	17.55	17.67			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	17.59	17.76	17.57	19.1	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	17.50	17.81	17.60	19.1	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	17.62	17.78	17.55	19.1	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	17.62	17.76	17.49	19.1	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	17.51	17.79	17.52	19.1	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	17.66	17.70	17.58	19.1	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	17.60	17.68	17.48	19.1	0.0	



WLAN/Bluetooth Power

2.4GHz WLAN			Full Power Body Station								Head SAR Standalone & Simultaneous												Body Worn & Holster & Handheld SAR simultaneous											
			Art 8		Art 11		Art 8+11		Note	SISO-Art8		SISO-Art11		Note	MIMO-Art8		MIMO-Art11		MIMO-Art 8+11		Note	SISO-Art8		SISO-Art11		Note	MIMO-Art8		MIMO-Art11		MIMO-Art 8+11		Note	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	14.65	16.50	14.62	16.50	17.64	19.5	100.00	12.66	13.00	12.55	13.00	100.00	9.92	10.00	9.85	10.00	12.8	13.0	100.00	14.66	16.00	14.62	16.00	100.00	12.93	13.00	12.87	13.00	15.9	16.0	100.00	
	6	2437	14.65	16.50	14.56	16.50	17.61	19.5	100.00	12.65	13.00	12.52	13.00	100.00	9.64	10.00	9.57	10.00	12.6	13.0	100.00	14.65	16.00	14.56	16.00	100.00	12.99	13.00	12.96	13.00	16.0	16.0	100.00	
	11	2462	14.59	16.50	14.51	16.50	17.55	19.5	100.00	12.59	13.00	12.44	13.00	100.00	9.67	10.00	9.53	10.00	12.6	13.0	100.00	14.59	16.00	14.51	16.00	100.00	12.97	13.00	12.95	13.00	16.0	16.0	100.00	
	1	2412	13.42	15.00	13.27	15.00	16.35	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	2	2417	13.59	16.50	14.62	16.50	17.59	19.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	6	2437	15.52	17.50	15.52	17.50	18.52	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	9	2462	16.51	18.50	16.71	18.50	19.65	21.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	10	2467	14.72	16.50	15.54	16.50	18.15	19.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	11	2462	14.22	15.00	14.00	15.00	17.11	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	1	2412	12.91	14.00	12.30	14.00	15.20	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	2	2417	13.37	15.00	13.15	15.00	16.26	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
	6	2437	15.41	17.00	15.46	17.00	18.44	20.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00	
8	2447	15.88	17.50	15.63	17.50	18.71	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
10	2467	13.11	15.00	13.32	15.00	16.22	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
11	2462	12.18	14.00	12.23	14.00	15.24	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
3	2422	9.69	11.00	11.06	13.00	13.43	15.1	100.00	11.00	11.00	11.00	11.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	11.00	11.00	11.00	11.00	100.00	11.00	11.00	11.00	11.00	13.0	13.0	100.00		
6	2437	11.14	13.00	11.45	13.00	14.30	16.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
9	2462	9.10	11.00	9.45	11.00	12.28	14.0	100.00	11.00	11.00	11.00	11.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	11.00	11.00	11.00	11.00	100.00	11.00	11.00	11.00	11.00	13.0	13.0	100.00		
1	2412	12.02	13.00	12.47	14.00	15.25	16.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
2	2417	13.38	15.00	13.45	15.00	16.42	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
6	2437	13.42	17.00	13.47	17.00	16.48	20.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
8	2447	16.52	17.50	16.67	17.50	19.12	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
10	2467	13.39	15.00	13.41	15.00	16.40	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	15.00	15.00	15.00	15.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
11	2462	12.45	14.00	12.38	14.00	15.42	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	100.00	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	15.0	15.0	100.00		
802.11a+HE20 MCS0	3	2422	10.28	12.00	11.14	13.00	13.72	15.5	100.00	Not Required	12.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	12.00	13.00	13.00	100.00	Not Required	12.00	13.00	13.00	13.00	15.5	100.00	
	6	2437	11.29	13.00	11.47	13.00	14.36	16.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	13.00	13.00	13.00	13.00	16.0	100.00	
	9	2462	9.28	11.00	9.48	11.00	12.36	14.0	100.00	Not Required	11.00	11.00	11.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	11.00	11.00	11.00	100.00	Not Required	11.00	11.00	11.00	11.00	14.0	100.00	
	1	2412	11.01	13.00	11.45	13.00	14.24	16.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	13.00	13.00	13.00	13.00	16.0	100.00	
	6	2437	12.52	14.80	12.80	14.80	15.86	17.5	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	14.80	14.80	14.80	100.00	Not Required	13.00	13.00	13.00	13.00	16.0	100.00	
	11	2462	12.39	14.00	12.32	14.00	15.36	17.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	14.00	14.00	14.00	100.00	Not Required	13.00	13.00	13.00	13.00	16.0	100.00	
	1	2412	11.02	13.00	11.15	13.00	14.09	16.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	13.00	13.00	13.00	13.00	16.0	100.00	
	2	2417	13.41	16.00	13.41	16.00	16.41	18.0	100.00	Not Required	13.00	13.00	13.00	100.00	Not Required	10.00	10.00	10.00	13.0	13.0	100.00	Not Required	16.00	16.00	16.00	100.00	Not Required	13.00	13.00	13.00				



BT BR/EDR **Ant8**

Mode	Channel	Frequency (MHz)	DH5		2DH5		3DH5	
			Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit
BR / EDR	CH 00	2402	14.55	16.50	11.08	12.50	11.15	12.50
	CH 39	2441	15.10	16.50	11.98	13.00	12.33	13.00
	CH 78	2480	16.03	18.00	12.77	13.00	12.89	13.00

BT BR/EDR **Ant11**

Mode	Channel	Frequency (MHz)	DH5		2DH5		3DH5	
			Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit
BR / EDR	CH 00	2402	15.83	16.50	13.11	13.50	13.23	13.50
	CH 39	2441	15.36	16.50	12.22	13.50	12.41	13.50
	CH 78	2480	15.04	16.50	12.49	13.50	12.32	13.50

BLE_1M **Ant8**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.03
	CH 19	2440	7.13
	CH 39	2480	5.77
Tune-up Limit			9.00

BLE_1M **Ant11**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	6.42
	CH 39	2480	6.29
Tune-up Limit			8.00

BLE_2M **Ant8**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.02
	CH 19	2440	7.27
	CH 39	2480	6.01
Tune-up Limit			9.00

BLE_2M **Ant11**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.30
	CH 19	2440	6.41
	CH 39	2480	6.49
Tune-up Limit			8.00