

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 μ V , full range = -100...+300 mV

Low Range: 1LSB = 61 nV , full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	405.659 $\pm$ 0.02% (k=2)	405.300 $\pm$ 0.02% (k=2)	405.554 $\pm$ 0.02% (k=2)
Low Range	3.96109 $\pm$ 1.50% (k=2)	4.00152 $\pm$ 1.50% (k=2)	4.00674 $\pm$ 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	36.0 ° $\pm$ 1 °
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Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	199992.76	-0.27	-0.00
Channel X + Input	20004.34	2.57	0.01
Channel X - Input	-19999.62	1.83	-0.01
Channel Y + Input	199989.77	-2.82	-0.00
Channel Y + Input	20002.16	0.36	0.00
Channel Y - Input	-20002.12	-0.67	0.00
Channel Z + Input	199990.88	-1.83	-0.00
Channel Z + Input	20000.69	-1.00	-0.01
Channel Z - Input	-20002.75	-1.21	0.01

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2002.36	1.32	0.07
Channel X + Input	202.06	0.66	0.33
Channel X - Input	-197.59	0.94	-0.47
Channel Y + Input	2000.87	-0.13	-0.01
Channel Y + Input	200.99	-0.31	-0.15
Channel Y - Input	-198.99	-0.44	0.22
Channel Z + Input	2001.05	0.06	0.00
Channel Z + Input	200.88	-0.45	-0.23
Channel Z - Input	-199.56	-1.01	0.51

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-3.32	-5.07
	- 200	5.72	4.11
Channel Y	200	1.67	1.56
	- 200	-3.03	-2.98
Channel Z	200	-1.49	-1.58
	- 200	-1.18	-0.67

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	0.82	-3.93
Channel Y	200	7.61	-	2.09
Channel Z	200	8.96	5.49	-

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16194	15648
Channel Y	15897	15178
Channel Z	16214	13846

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	0.86	-1.04	3.29	0.87
Channel Y	-0.33	-2.04	0.55	0.40
Channel Z	0.26	-1.05	1.53	0.48

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA
 Multilateral Agreement for the recognition of calibration certificates

Client **Sporton**

Certificate No: **EX3-7684_Oct21/2**

CALIBRATION CERTIFICATE (Replacement of No: EX3-7684_Oct21)

Object **EX3DV4 - SN:7684**

Calibration procedure(s) **QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7**
 Calibration procedure for dosimetric E-field probes

Calibration date: **October 04, 2021**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	09-Apr-21 (No. 217-03343)	Apr-22
DAE4	SN: 660	23-Dec-20 (No. DAE4-660_Dec20)	Dec-21
Reference Probe ES3DV2	SN: 3013	30-Dec-20 (No. ES3-3013_Dec20)	Dec-21
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

	Name	Function	Signature
Calibrated by:	Jeffrey Katzman	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			Issued: October 14, 2021



Accredited by the Swiss Accreditation Service (SAS)

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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 865664, "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:7684

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.59	0.55	0.66	$\pm 10.1 \%$
DCP (mV) ^B	103.5	103.8	102.3	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	155.9	$\pm 2.2 \%$	$\pm 4.7 \%$
		Y	0.00	0.00	1.00		157.1		
		Z	0.00	0.00	1.00		143.4		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	1.51	60.61	6.29	10.00	60.0	$\pm 3.1 \%$	$\pm 9.6 \%$
		Y	1.72	61.51	6.87		60.0		
		Z	1.49	60.54	6.43		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	0.82	60.00	4.86	6.99	80.0	$\pm 2.2 \%$	$\pm 9.6 \%$
		Y	0.77	60.00	4.90		80.0		
		Z	0.80	60.00	5.04		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	22.00	72.00	7.00	3.98	95.0	$\pm 2.6 \%$	$\pm 9.6 \%$
		Y	0.16	138.50	0.26		95.0		
		Z	0.04	123.01	0.41		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	10.45	155.83	14.55	2.22	120.0	$\pm 1.2 \%$	$\pm 9.6 \%$
		Y	7.79	159.85	28.23		120.0		
		Z	0.39	60.00	2.78		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	0.59	63.43	11.96	1.00	150.0	$\pm 4.0 \%$	$\pm 9.6 \%$
		Y	0.58	64.53	13.09		150.0		
		Z	0.66	62.90	11.74		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	1.35	65.23	13.59	0.00	150.0	$\pm 1.3 \%$	$\pm 9.6 \%$
		Y	1.39	66.47	14.21		150.0		
		Z	1.37	64.44	13.39		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	1.66	64.05	15.50	3.01	150.0	$\pm 1.2 \%$	$\pm 9.6 \%$
		Y	1.65	64.14	15.86		150.0		
		Z	1.56	62.91	15.12		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	2.84	66.03	14.92	0.00	150.0	$\pm 1.7 \%$	$\pm 9.6 \%$
		Y	2.87	66.57	15.29		150.0		
		Z	2.85	65.54	14.69		150.0		
10414-AAA	WLAN CCDF, 64-QAM, 40MHz	X	3.86	65.73	15.14	0.00	150.0	$\pm 3.1 \%$	$\pm 9.6 \%$
		Y	3.84	66.21	15.40		150.0		
		Z	3.93	65.28	14.98		150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -field uncertainty inside TSL (see 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:7684

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	10.7	77.64	33.62	3.62	0.00	4.90	0.45	0.00	1.00
Y	9.2	67.25	34.07	1.00	0.00	4.90	0.28	0.00	1.00
Z	12.7	92.67	33.70	2.70	0.00	4.90	0.17	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-58.2
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:7684

Calibration Parameter Determined in Head Tissue Simulating Media

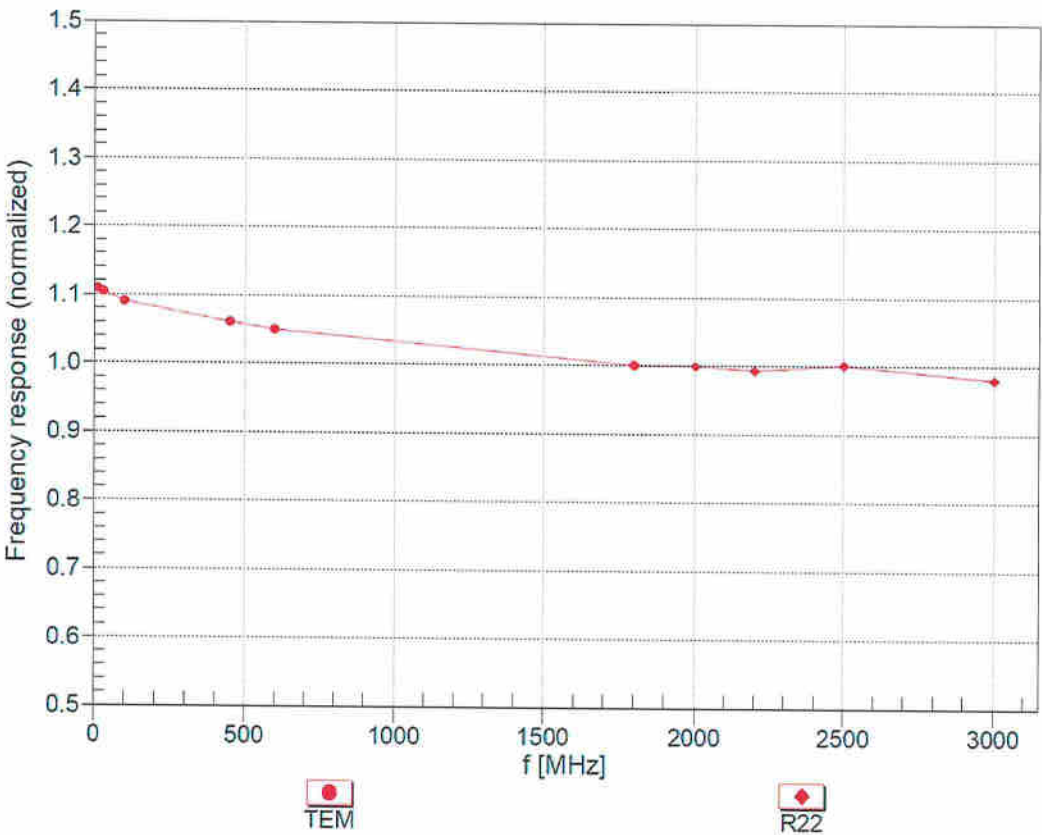
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.74	10.74	10.74	0.43	0.80	± 12.0 %
835	41.5	0.90	10.50	10.50	10.50	0.47	0.80	± 12.0 %
1750	40.1	1.37	9.15	9.15	9.15	0.27	0.86	± 12.0 %
1900	40.0	1.40	8.73	8.73	8.73	0.33	0.86	± 12.0 %
2000	40.0	1.40	8.57	8.57	8.57	0.36	0.86	± 12.0 %
2300	39.5	1.67	8.43	8.43	8.43	0.31	0.90	± 12.0 %
2450	39.2	1.80	8.28	8.28	8.28	0.35	0.90	± 12.0 %
2600	39.0	1.96	8.14	8.14	8.14	0.25	0.90	± 12.0 %
3300	38.2	2.71	7.39	7.39	7.39	0.30	1.35	± 14.0 %
3500	37.9	2.91	7.37	7.37	7.37	0.30	1.35	± 14.0 %
3700	37.7	3.12	7.27	7.27	7.27	0.30	1.35	± 14.0 %
3900	37.5	3.32	6.83	6.83	6.83	0.40	1.60	± 14.0 %
4100	37.2	3.53	6.63	6.63	6.63	0.40	1.60	± 14.0 %
4200	37.1	3.63	6.50	6.50	6.50	0.40	1.70	± 14.0 %
4400	36.9	3.84	6.32	6.32	6.32	0.40	1.70	± 14.0 %
4600	36.7	4.04	6.30	6.30	6.30	0.40	1.70	± 14.0 %
4800	36.4	4.25	6.21	6.21	6.21	0.45	1.80	± 14.0 %
4950	36.3	4.40	6.15	6.15	6.15	0.40	1.80	± 14.0 %
5250	35.9	4.71	5.85	5.85	5.85	0.40	1.80	± 14.0 %
5600	35.5	5.07	5.05	5.05	5.05	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.25	5.25	5.25	0.40	1.80	± 14.0 %

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

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

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

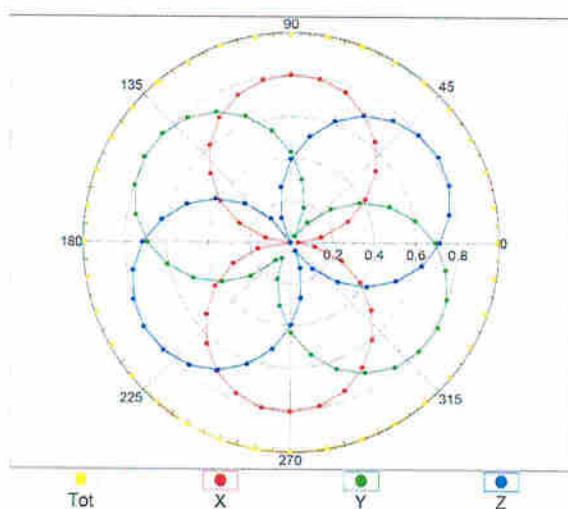
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



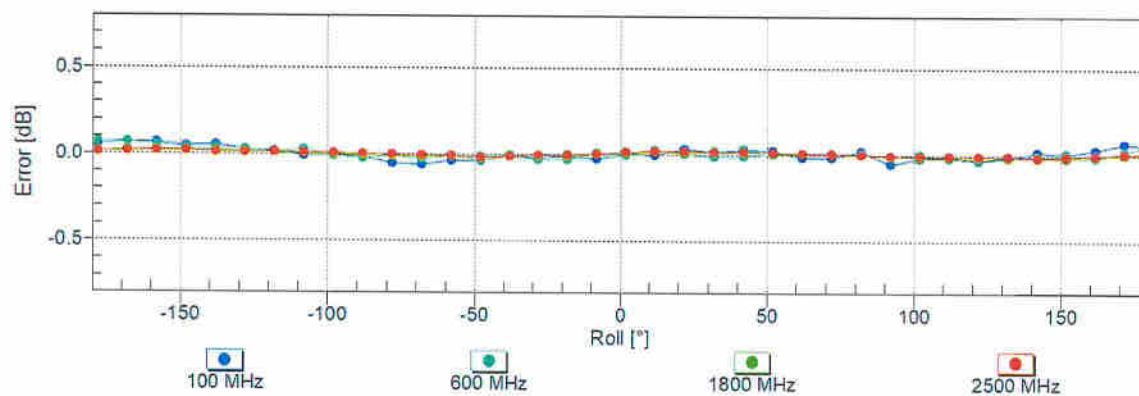
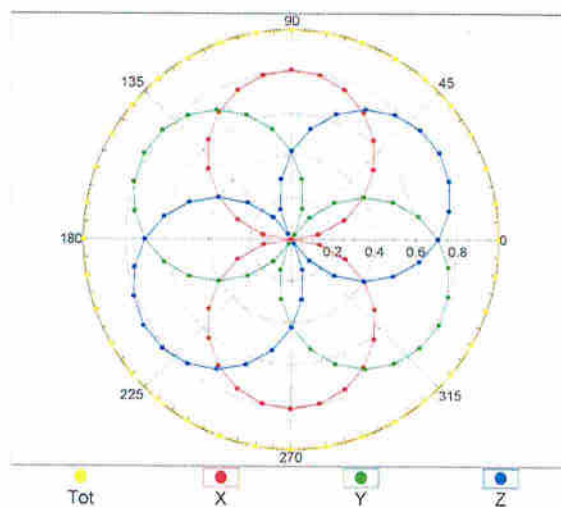
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz,TEM

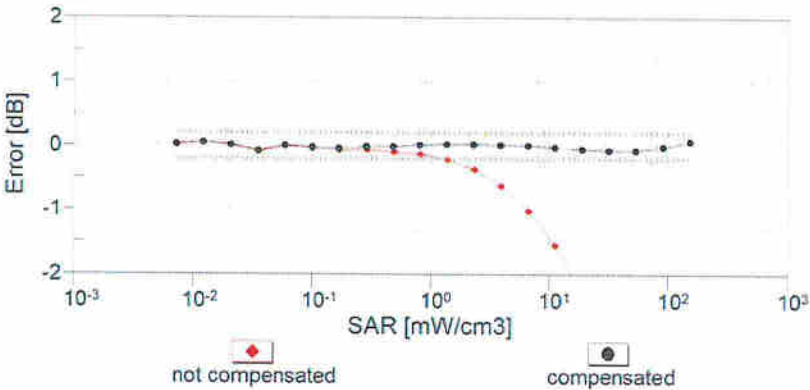
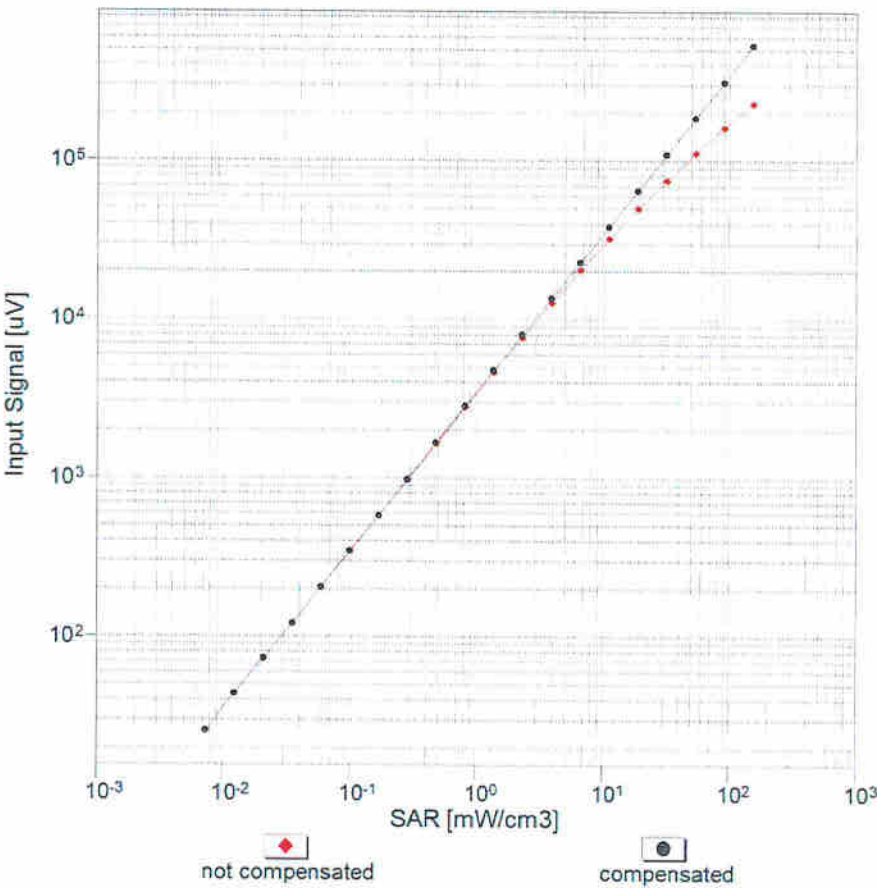


f=1800 MHz,R22



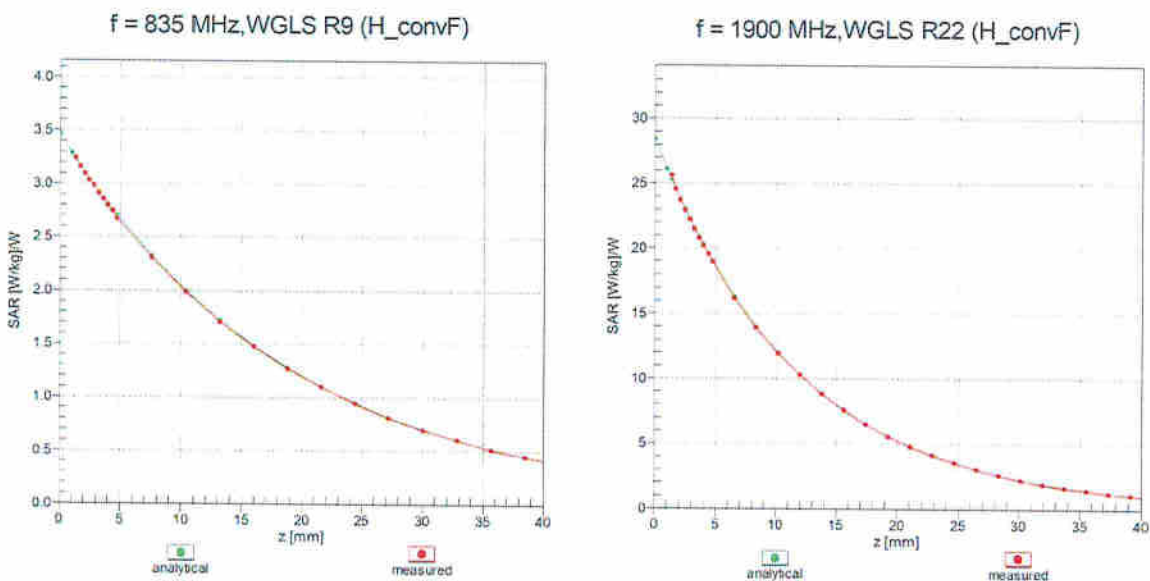
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)



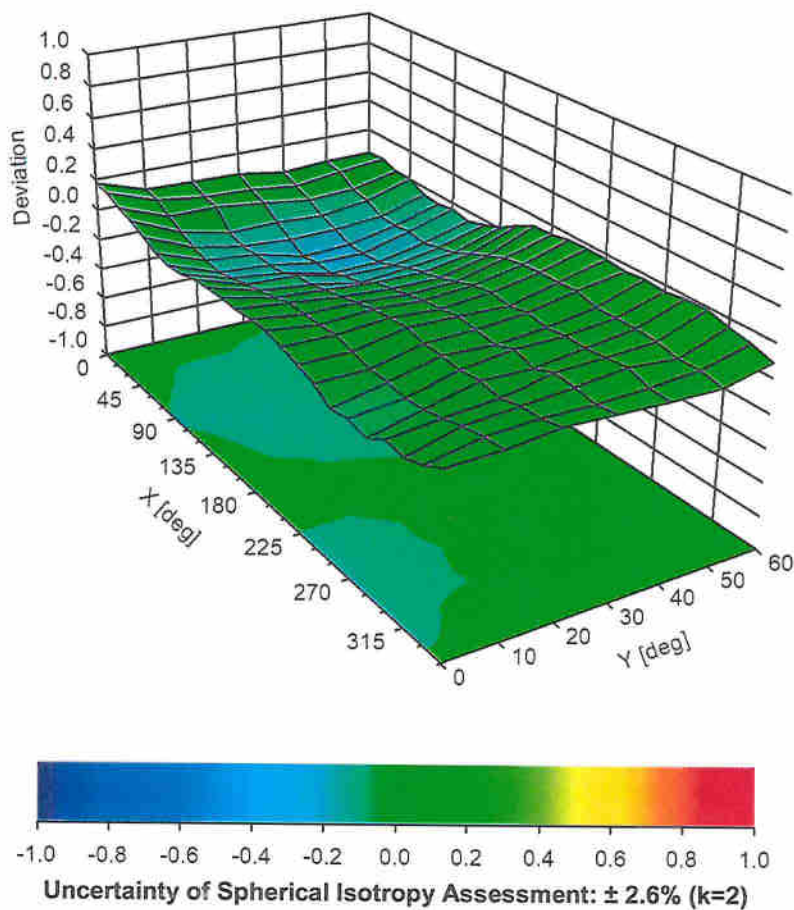
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), f = 900 MHz



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %

10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %

10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %

10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %

10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

[§] 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 table are shown as follows.

Full Power level/Default Power level for WWAN

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	524.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	524.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.6		1850.2	1880	1909.6	
Frequency (MHz)	1850.2	1880	1909.6		1850.2	1880	1909.6	
GSM 1 Tx slot	29.27	29.33	29.21	30.50	20.27	20.33	20.21	21.50
GPRS 1 Tx slot	29.34	29.28	29.10	30.50	20.34	20.28	20.10	21.50
GPRS 2 Tx slots	26.70	26.64	26.39	27.50	20.70	20.64	20.39	21.50
GPRS 3 Tx slots	24.63	24.82	24.61	25.50	20.37	20.56	20.35	21.24
GPRS 4 Tx slots	23.17	23.52	23.43	24.50	20.17	20.52	20.43	21.50
EDGE 1 Tx slot	25.23	25.39	25.18	26.50	16.23	16.39	16.18	17.50
EDGE 2 Tx slots	22.51	22.45	22.27	24.00	16.51	16.45	16.27	18.00
EDGE 3 Tx slots	19.92	19.82	19.73	21.50	15.66	15.56	15.47	17.24
EDGE 4 Tx slots	19.97	19.69	19.85	20.50	16.97	16.69	16.85	17.50

Band		WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.33	24.31	25.50	24.81	24.84	24.82	25.50	24.71	24.74	24.72	25.50
3GPP Rel 99	AMR 12.2Kbps	24.40	24.43	24.36	25.50	24.85	24.88	24.80	25.50	24.75	24.78	24.69	25.50
3GPP Rel 6	HSDPA Subtest-1	23.80	23.83	23.81	24.50	23.92	23.91	23.76	24.50	23.76	23.81	23.54	24.50
3GPP Rel 6	HSDPA Subtest-2	23.77	23.82	23.80	24.50	23.94	23.89	23.82	24.50	23.82	23.69	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.96	23.26	23.30	24.00	23.43	23.39	23.30	24.00	23.33	23.29	23.20	24.00
3GPP Rel 6	HSDPA Subtest-4	23.31	23.32	23.27	24.00	23.42	23.44	23.32	24.00	23.32	23.34	23.22	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.85	23.80	23.79	24.50	23.80	23.79	23.64	24.50	23.82	23.87	23.56	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.77	23.87	23.86	24.50	23.82	23.77	23.70	24.50	23.87	23.74	23.56	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	23.02	23.22	23.25	24.00	23.31	23.27	23.18	24.00	23.37	23.30	23.21	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	23.27	23.37	23.29	24.00	23.30	23.32	23.20	24.00	23.36	23.31	23.18	24.00
3GPP Rel 6	HSUPA Subtest-1	23.46	23.45	23.37	24.50	23.88	23.88	23.76	24.50	23.69	23.75	23.66	24.50
3GPP Rel 6	HSUPA Subtest-2	21.42	21.43	21.33	22.50	21.88	21.89	21.74	22.50	21.78	21.79	21.67	22.50
3GPP Rel 6	HSUPA Subtest-3	22.44	22.47	22.34	23.50	22.90	22.87	22.74	23.50	22.80	22.77	22.64	23.50
3GPP Rel 6	HSUPA Subtest-4	21.45	21.46	21.28	22.50	21.83	21.88	21.80	22.50	21.73	21.78	21.70	22.50
3GPP Rel 6	HSUPA Subtest-5	23.40	23.50	23.40	24.50	23.90	23.90	23.50	24.50	23.78	23.74	23.40	24.50

Band 2 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.02	23.31	23.08	24.5	0	
20	QPSK	1	49	23.10	23.07	23.23			
20	QPSK	1	99	23.23	22.99	22.99			
20	QPSK	50	0	22.17	22.29	22.13	23.5	1	
20	QPSK	50	24	22.20	22.06	22.10			
20	QPSK	50	50	22.22	22.11	21.97			
20	QPSK	100	0	22.26	22.31	22.13	23.5	1	
20	16QAM	1	0	21.97	21.99	22.25			
20	16QAM	1	49	21.95	22.18	22.26			
20	16QAM	1	99	22.09	22.20	22.01	22.5	2	
20	16QAM	50	0	21.27	21.07	21.11			
20	16QAM	50	24	21.26	21.25	21.13			
20	16QAM	50	50	21.25	21.22	21.00	22.5	2	
20	16QAM	100	0	21.21	21.07	21.11			
20	64QAM	1	0	21.04	21.27	21.09			
20	64QAM	1	49	20.89	21.16	20.93	22.5	2	
20	64QAM	1	99	21.05	20.89	21.17			
20	64QAM	50	0	20.26	20.14	20.14			
20	64QAM	50	24	20.27	20.10	20.04	21.5	3	
20	64QAM	50	50	20.21	20.12	19.97			
20	64QAM	100	0	20.29	20.09	20.11			
Channel									
Frequency (MHz)				1867.5	1890	1912.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.16	23.28	23.18	24.5	0	
15	QPSK	1	37	23.15	23.15	23.20			
15	QPSK	1	74	23.20	23.12	23.04			
15	QPSK	36	0	22.22	22.22	22.15	23.5	1	
15	QPSK	36	20	22.24	22.19	22.13			
15	QPSK	36	39	22.26	22.06	22.10			
15	QPSK	75	0	22.25	22.14	22.11	23.5	1	
15	16QAM	1	0	22.42	22.34	22.22			
15	16QAM	1	37	22.30	22.44	22.17			
15	16QAM	1	74	22.45	22.34	22.39	22.5	2	
15	16QAM	36	0	21.31	21.15	21.12			
15	16QAM	36	20	21.16	21.14	21.13			
15	16QAM	36	39	21.16	21.16	21.18	22.5	2	
15	16QAM	75	0	21.24	21.17	21.17			
15	64QAM	1	0	21.10	21.25	21.28			
15	64QAM	1	37	21.29	21.08	21.17	22.5	2	
15	64QAM	1	74	21.12	21.22	21.29			
15	64QAM	36	0	20.19	20.11	20.12			
15	64QAM	36	20	20.23	20.21	20.16	21.5	3	
15	64QAM	36	39	20.18	20.12	19.95			
15	64QAM	75	0	20.18	20.18	20.05			
Channel									
Frequency (MHz)				1865.0	1880	1900	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.23	23.29	23.25	24.5	0	
10	QPSK	1	25	23.24	23.14	22.94			
10	QPSK	1	49	23.15	22.92	23.00			
10	QPSK	25	0	22.39	22.27	22.22	23.5	1	
10	QPSK	25	12	22.30	22.30	22.23			
10	QPSK	25	25	22.33	22.23	22.22			
10	QPSK	50	0	22.39	22.28	22.24	23.5	1	
10	16QAM	1	0	22.28	22.22	22.39			
10	16QAM	1	25	22.42	22.45	22.15			
10	16QAM	1	49	22.26	22.37	22.23	22.5	2	
10	16QAM	25	0	21.44	21.49	21.25			
10	16QAM	25	12	21.40	21.32	21.23			
10	16QAM	25	25	21.25	21.20	21.03	22.5	2	
10	16QAM	50	0	21.39	21.21	21.30			
10	64QAM	1	0	21.44	21.33	21.39			
10	64QAM	1	25	21.34	21.13	21.37	22.5	2	
10	64QAM	1	49	21.22	21.11	21.20			
10	64QAM	25	0	20.34	20.31	20.24			
10	64QAM	25	12	20.33	20.23	20.24	21.5	3	
10	64QAM	25	25	20.28	20.19	20.05			
10	64QAM	50	0	20.30	20.33	20.29			
Channel									
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.25	23.27	22.98	24.5	0	
5	QPSK	1	12	23.30	22.92	23.02			
5	QPSK	1	24	23.17	23.00	23.03			
5	QPSK	12	0	22.32	22.34	22.25	23.5	1	
5	QPSK	12	7	22.28	22.37	22.26			
5	QPSK	12	13	22.34	22.22	22.16			
5	QPSK	25	0	22.33	22.29	22.15	23.5	1	
5	16QAM	1	0	22.19	22.37	22.16			
5	16QAM	1	12	22.32	22.21	22.20			
5	16QAM	1	24	22.31	22.53	22.45	22.5	2	
5	16QAM	12	0	21.28	21.29	21.33			
5	16QAM	12	7	21.63	21.48	21.21			
5	16QAM	12	13	21.41	21.22	21.25	22.5	2	
5	16QAM	25	0	21.47	21.23	21.22			
5	64QAM	1	0	21.36	21.27	21.53			
5	64QAM	1	12	21.41	21.34	21.21	22.5	2	
5	64QAM	1	24	21.36	21.40	21.30			
5	64QAM	12	0	20.43	20.42	20.35			
5	64QAM	12	7	20.26	20.31	20.23	21.5	3	
5	64QAM	12	13	20.33	20.11	20.02			
5	64QAM	25	0	20.34	20.20	20.23			
Channel									
Frequency (MHz)				1861.5	1890	1918.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.17	23.30	23.09	24.5	0	
3	QPSK	1	8	23.15	23.24	23.12			
3	QPSK	1	14	23.24	23.18	23.06			
3	QPSK	8	0	22.18	22.21	22.04	23.5	1	
3	QPSK	8	4	23.18	22.22	23.09			
3	QPSK	8	7	22.10	22.08	22.01			
3	QPSK	15	0	22.14	22.13	21.98	23.5	1	
3	16QAM	1	0	22.38	22.49	22.17			
3	16QAM	1	8	22.19	22.40	22.18			
3	16QAM	1	14	22.13	22.50	22.22	22.5	2	
3	16QAM	8	0	21.15	21.35	21.19			
3	16QAM	8	4	21.14	21.20	21.16			
3	16QAM	8	7	21.30	21.12	21.25	22.5	2	
3	16QAM	15	0	21.20	21.13	21.22			
3	64QAM	1	0	21.31	21.39	21.27			
3	64QAM	1	8	21.36	21.17	21.26	22.5	2	
3	64QAM	1	14	21.25	21.38	21.09			
3	64QAM	8	0	20.30	20.20	20.11			
3	64QAM	8	4	20.03	20.13	20.05	21.5	3	
3	64QAM	8	7	20.31	20.16	20.29			
3	64QAM	15	0	20.18	20.21	19.95			
Channel									
Frequency (MHz)				1857	1880	1909.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.06	23.29	22.89	24.5	0	
1.4	QPSK	1	3	23.09	23.06	22.98			
1.4	QPSK	1	5	22.95	23.07	22.85			
1.4	QPSK	3	0	23.09	23.19	23.02	23.5	1	
1.4	QPSK	3	1	23.15	23.20	23.30			
1.4	QPSK	3	3	23.16	22.97	22.91			
1.4	QPSK	6	0	22.26	22.18	22.08	23.5	1	
1.4	16QAM	1	0	22.41	22.35	22.27	23.5	1	
1.4	16QAM	1	3	22.28	22.32	22.23			
1.4	16QAM	3	0	22.21	22.25	22.24			
1.4	16QAM	3	0	22.32	22.25	21.98	22.5	2	
1.4	16QAM	3	1	22.21	21.95	22.08			
1.4	16QAM	3	3	22.18	21.23	22.05			
1.4	64QAM	1	0	21.35	21.29	21.15	22.5	2	
1.4	64QAM	1	3	21.23	21.40	21.27			
1.4	64QAM	1	5	21.19	21.25	21.32			
1.4	64QAM	3	0	21.33	21.38	21.20	22.5	2	
1.4	64QAM	3	1	21.25	21.21	21.21			
1.4	64QAM	3	3	21.30	21.21	21.10			
1.4	64QAM	6	0	20.15	20.29	20.23	21.5	3	

Band 7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.18	24.39	24.34	25.5	0	
20	QPSK	1	49	24.27	24.30	24.17			
20	QPSK	1	99	24.26	24.32	24.35			
20	QPSK	50	0	23.19	23.56	23.27			
20	QPSK	50	24	23.49	23.45	23.44	24.5	1	
20	QPSK	50	50	23.52	23.48	23.44			
20	QPSK	100	0	23.35	23.45	23.33			
20	16QAM	1	0	23.22	23.39	23.41			
20	16QAM	1	49	23.28	23.33	23.20	24.5	1	
20	16QAM	1	99	23.34	23.33	23.18			
20	16QAM	50	0	22.41	22.26	22.25			
20	16QAM	50	24	22.46	22.38	22.37			
20	16QAM	50	50	22.43	22.49	22.48	23.5	2	
20	16QAM	100	0	22.39	22.36	22.41			
20	64QAM	1	0	22.24	22.37	22.34			
20	64QAM	1	49	22.55	22.42	22.40			
20	64QAM	1	99	22.27	22.27	22.31	23.5	2	
20	64QAM	50	0	21.34	21.29	21.31			
20	64QAM	50	24	21.49	21.36	21.40			
20	64QAM	50	50	21.51	21.47	21.41			
20	64QAM	100	0	21.40	21.39	21.36	22.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.11	24.21	24.05	25.5	0	
15	QPSK	1	37	23.99	24.27	24.22			
15	QPSK	1	74	24.25	24.33	24.22			
15	QPSK	36	0	23.21	23.31	23.30			
15	QPSK	36	20	23.35	23.34	23.22	24.5	1	
15	QPSK	36	39	23.40	23.29	23.34			
15	QPSK	75	0	23.34	23.36	23.34			
15	16QAM	1	0	23.20	23.24	23.38			
15	16QAM	1	37	23.19	23.28	23.08	24.5	1	
15	16QAM	1	74	23.50	23.23	23.01			
15	16QAM	36	0	22.29	22.23	22.29			
15	16QAM	36	20	22.40	22.36	22.33			
15	16QAM	36	39	22.30	22.36	22.35	23.5	2	
15	16QAM	75	0	22.28	22.30	22.38			
15	64QAM	1	0	22.16	22.26	22.13			
15	64QAM	1	37	22.39	22.24	22.19			
15	64QAM	1	74	22.31	22.05	22.09	23.5	2	
15	64QAM	36	0	21.24	21.26	21.28			
15	64QAM	36	20	21.32	21.39	21.26			
15	64QAM	36	39	21.40	21.31	21.33			
15	64QAM	75	0	21.39	21.35	21.27	22.5	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.29	24.10	24.11	25.5	0	
10	QPSK	1	25	24.05	24.25	24.36			
10	QPSK	1	49	24.11	24.25	24.26			
10	QPSK	25	0	23.28	23.09	23.19			
10	QPSK	25	12	23.05	23.18	23.15	24.5	1	
10	QPSK	25	25	23.04	23.16	23.08			
10	QPSK	50	0	23.23	23.06	23.00			
10	16QAM	1	0	23.05	23.17	23.02			
10	16QAM	1	25	23.19	23.02	23.08	24.5	1	
10	16QAM	1	49	23.16	23.17	23.05			
10	16QAM	25	0	22.05	22.18	22.08			
10	16QAM	25	12	22.23	22.20	22.25			
10	16QAM	25	25	22.31	22.13	22.34	23.5	2	
10	16QAM	50	0	22.36	22.31	22.42			
10	64QAM	1	0	22.11	22.18	22.24			
10	64QAM	1	25	22.17	22.30	22.10			
10	64QAM	1	49	22.14	22.29	22.06	23.5	2	
10	64QAM	25	0	21.05	21.08	21.19			
10	64QAM	25	12	21.36	21.02	21.18			
10	64QAM	25	25	21.23	21.06	21.16			
10	64QAM	50	0	21.08	21.38	21.08	22.5	3	
Channel				3	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.32	24.27	24.25	25.5	0	
5	QPSK	1	12	24.13	24.37	24.23			
5	QPSK	1	24	24.35	24.32	24.36			
5	QPSK	12	0	23.28	23.31	23.24			
5	QPSK	12	7	23.32	23.31	23.23	24.5	1	
5	QPSK	12	13	23.45	23.41	23.45			
5	QPSK	25	0	23.33	23.34	23.38			
5	16QAM	1	0	23.20	23.37	23.25			
5	16QAM	1	12	23.15	23.28	23.23	24.5	1	
5	16QAM	1	24	23.26	23.05	23.17			
5	16QAM	12	0	22.29	22.29	22.13			
5	16QAM	12	7	22.33	22.31	22.45			
5	16QAM	12	13	22.40	22.44	22.46	23.5	2	
5	16QAM	25	0	22.44	22.38	22.37			
5	64QAM	1	0	22.00	22.18	22.06			
5	64QAM	1	12	22.29	22.24	22.12			
5	64QAM	1	24	22.46	22.15	22.05	23.5	2	
5	64QAM	12	0	21.18	21.26	21.25			
5	64QAM	12	7	21.31	21.45	21.26			
5	64QAM	12	13	21.40	21.46	21.40			
5	64QAM	25	0	21.39	21.31	21.33	22.5	3	

Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.89	23.68	24.5	1	
10	QPSK	25	12	23.74	23.71	23.80			
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.86	23.80	23.5	2	
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61			
10	16QAM	1	49	23.77	23.73	23.72	24.5	1	
10	16QAM	25	0	22.82	22.73	22.72			
10	16QAM	25	12	22.89	22.69	22.71			
10	16QAM	25	25	22.90	22.85	22.92	23.5	2	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.61	22.57	22.77	23.5	2	
10	64QAM	1	49	22.84	22.70	22.92			
10	64QAM	25	0	21.85	21.66	21.75			
10	64QAM	25	12	21.87	21.75	21.88	22.5	3	
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.80	23.61	23.64	24.5	1	
5	QPSK	12	7	23.71	23.71	23.71			
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59	24.5	1	
5	16QAM	1	0	23.62	23.70	23.52			
5	16QAM	1	12	23.48	23.75	23.71			
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.62			
5	16QAM	12	7	22.86	22.66	22.86			
5	16QAM	12	13	22.81	22.64	22.85	23.5	2	
5	16QAM	25	0	22.73	22.77	22.66			
5	64QAM	1	0	22.73	22.64	22.95			
5	64QAM	1	12	22.76	22.94	22.88	23.5	2	
5	64QAM	1	24	22.70	22.76	22.75			
5	64QAM	12	0	21.79	21.71	21.64			
5	64QAM	12	7	21.81	21.67	21.74	22.5	3	
5	64QAM	12	13	21.59	21.61	21.82			
5	64QAM	25	0	21.60	21.64	21.73			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.57	24.66	24.46	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76	24.5	1	
3	QPSK	8	4	23.76	23.81	23.75			
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.77	23.71	24.5	1	
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66			
3	16QAM	1	14	23.76	23.64	23.68	23.5	2	
3	16QAM	8	0	22.93	22.86	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	8	7	22.79	22.72	22.71	23.5	2	
3	16QAM	15	0	22.79	22.98	22.73			
3	64QAM	1	0	22.85	22.82	22.92			
3	64QAM	1	8	23.07	23.13	22.83	22.5	3	
3	64QAM	1	14	23.00	23.12	22.90			
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76	22.5	3	
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71			
Channel				23017	23095	23173			
Frequency (MHz)				697.5	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.51			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	0	24.47	24.58	24.52	24.5	1	
1.4	QPSK	3	1	24.52	24.51	24.42			
1.4	QPSK	3	3	24.46	24.36	24.41			
1.4	QPSK	6	0	23.49	23.57	23.54	24.5	1	
1.4	16QAM	1	0	23.65	23.62	23.81			
1.4	16QAM	1	3	23.54	23.71	23.85			
1.4	16QAM	1	5	23.56	23.84	23.68	23.5	2	
1.4	16QAM	3	0	23.52	23.64	23.50			
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.50	23.43	23.40	23.5	2	
1.4	16QAM	6	0	22.48	22.51	22.42			
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.86	23.5	2	
1.4	64QAM	1	5	22.83	22.73	22.94			
1.4	64QAM	3	0	22.68	22.73	22.53			
1.4	64QAM	3	1	22.86	22.56	22.71	22.5	3	
1.4	64QAM	3	3	22.52	22.70	22.64			
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 17 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.50	24.68	24.42	25.5	0	
10	QPSK	1	25	24.45	24.57	24.65			
10	QPSK	1	49	24.33	24.40	24.62			
10	QPSK	25	0	23.59	23.92	23.68	24.5	1	
10	QPSK	25	12	23.77	23.69	23.70			
10	QPSK	25	25	23.67	23.63	23.70			
10	QPSK	50	0	23.79	23.90	23.58	24.5	1	
10	16QAM	1	0	23.85	23.77	23.81			
10	16QAM	1	25	23.82	23.86	23.84			
10	16QAM	1	49	23.72	23.84	23.63	24.5	1	
10	16QAM	25	0	22.68	22.59	22.77			
10	16QAM	25	12	22.79	22.68	22.77			
10	16QAM	25	25	22.78	22.69	22.72	23.5	2	
10	16QAM	50	0	22.70	22.65	22.74			
10	64QAM	1	0	22.85	22.76	22.80			
10	64QAM	1	25	22.81	23.14	22.90	23.5	2	
10	64QAM	1	49	22.93	22.75	22.87			
10	64QAM	25	0	21.59	21.64	21.66			
10	64QAM	25	12	21.66	21.72	21.72	22.5	3	
10	64QAM	25	25	21.78	21.79	21.74			
10	64QAM	50	0	21.72	21.68	21.61			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.67	24.67	24.56	25.5	0	
5	QPSK	1	12	24.39	24.59	24.58			
5	QPSK	1	24	24.62	24.36	24.66			
5	QPSK	12	0	23.62	23.77	23.70	24.5	1	
5	QPSK	12	7	23.66	23.64	23.67			
5	QPSK	12	13	23.73	23.70	23.74			
5	QPSK	25	0	23.64	23.70	23.80	24.5	1	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.87	23.75	24.14			
5	16QAM	1	24	23.84	24.16	23.98	23.5	2	
5	16QAM	12	0	22.80	22.77	22.67			
5	16QAM	12	7	22.85	22.57	22.83			
5	16QAM	12	13	22.70	22.72	22.78	23.5	2	
5	16QAM	25	0	22.70	22.57	22.77			
5	64QAM	1	0	22.80	22.63	22.71			
5	64QAM	1	12	22.69	22.76	22.73	23.5	2	
5	64QAM	1	24	22.70	22.55	22.64			
5	64QAM	12	0	21.80	21.75	21.82			
5	64QAM	12	7	21.62	21.72	21.89	22.5	3	
5	64QAM	12	13	21.66	21.54	21.63			
5	64QAM	25	0	21.57	21.61	21.66			

Band 26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	0	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.16			
15	QPSK	36	0	23.44	23.50	23.37			
15	QPSK	36	20	23.42	23.46	23.44	24.5	1	
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31			
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.76	23.66	23.58	24.5	1	
15	16QAM	1	74	23.75	23.66	23.48			
15	16QAM	36	0	22.45	22.43	22.39			
15	16QAM	36	20	22.50	22.48	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.55	22.50			
15	64QAM	1	37	22.65	22.60	22.50			
15	64QAM	1	74	22.56	22.54	22.37	23.5	2	
15	64QAM	36	0	21.48	21.44	21.37			
15	64QAM	36	20	21.51	21.47	21.40			
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	0	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31			
10	QPSK	25	12	23.45	23.36	23.32	24.5	1	
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30			
10	16QAM	1	0	23.60	23.68	23.61			
10	16QAM	1	25	23.62	23.63	23.53	24.5	1	
10	16QAM	1	49	23.63	23.61	23.49			
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.35			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.29			
10	64QAM	1	0	22.57	22.60	22.48			
10	64QAM	1	25	22.56	22.46	22.38			
10	64QAM	1	49	22.50	22.50	22.39	23.5	2	
10	64QAM	25	0	21.49	21.39	21.31			
10	64QAM	25	12	21.47	21.35	21.29			
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31	22.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	0	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29			
5	QPSK	12	7	23.48	23.42	23.28	24.5	1	
5	QPSK	12	13	23.38	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.28			
5	16QAM	1	0	23.60	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54	24.5	1	
5	16QAM	1	24	23.66	23.58	23.50			
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45			
5	64QAM	1	12	22.56	22.42	22.39			
5	64QAM	1	24	22.54	22.48	22.38	22.5	3	
5	64QAM	12	0	21.53	21.36	21.33			
5	64QAM	12	7	21.48	21.43	21.29			
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27	21.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	0	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27			
3	QPSK	8	4	23.42	23.45	23.31	24.5	1	
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26			
3	16QAM	1	0	23.53	23.60	23.52			
3	16QAM	1	8	23.61	23.67	23.54	24.5	1	
3	16QAM	1	14	23.70	23.61	23.55			
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.35			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	16QAM	15	0	22.56	22.48	22.39			
3	64QAM	1	0	22.62	22.55	22.44			
3	64QAM	1	14	22.55	22.57	22.41	23.5	2	
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31			
3	64QAM	8	7	21.50	21.44	21.08			
3	64QAM	15	0	21.48	21.38	21.25	22.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.30	24.04	25.5	0	
1.4	QPSK	1	3	24.33	24.28	24.16			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07			
1.4	QPSK	3	1	24.31	24.29	24.15	24.5	1	
1.4	QPSK	3	3	24.30	24.22	24.07			
1.4	QPSK	6	0	23.37	23.34	23.19			
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48	24.5	1	
1.4	16QAM	1	5	23.59	23.56	23.40			
1.4	16QAM	3	0	23.35	23.33	23.16			
1.4	16QAM	3	1	23.40	23.38	23.26			
1.4	16QAM	3	3	23.40	23.29	23.14	23.5	2	
1.4	16QAM	6	0	22.50	22.41	22.25			
1.4	64QAM	1	0	22.47	22.40	22.30			
1.4	64QAM	1	3	22.56	22.45	22.38			
1.4	64QAM	1	5	22.49	22.39	22.33	23.5	2	
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26			
1.4	64QAM	3	3	22.41	22.31	22.21			
1.4	64QAM	6	0	21.40	21.37	21.19	22.5	3	

Band 38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	25.5	0	
20	QPSK	1	0	24.52	24.64	24.51			
20	QPSK	1	49	24.53	24.60	24.56			
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65	24.5	1	
20	QPSK	50	24	23.70	23.66	23.65			
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65			
20	16QAM	1	0	23.61	23.66	23.66	24.5	1	
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68			
20	16QAM	50	0	22.62	22.70	22.61			
20	16QAM	50	24	22.71	22.72	22.82	23.5	2	
20	16QAM	50	50	22.72	22.73	22.73			
20	16QAM	100	0	22.70	22.60	22.72			
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55	23.5	2	
20	64QAM	1	99	22.56	22.58	22.54			
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75			
20	64QAM	50	50	21.54	21.67	21.67	22.5	3	
20	64QAM	50	24	21.63	21.75	21.75			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2592.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.58	24.55	24.54	25.5	0	
15	QPSK	1	37	24.51	24.62	24.47			
15	QPSK	1	74	24.57	24.60	24.54			
15	QPSK	36	0	23.59	23.66	23.70			
15	QPSK	36	20	23.71	23.66	23.64	24.5	1	
15	QPSK	36	39	23.58	23.68	23.64			
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.76			
15	16QAM	1	37	23.64	23.77	23.80	24.5	1	
15	16QAM	1	74	23.70	23.74	23.68			
15	16QAM	36	0	22.60	22.59	22.62			
15	16QAM	36	20	22.61	22.66	22.66			
15	16QAM	36	39	22.69	22.69	22.64	23.5	2	
15	16QAM	75	0	22.69	22.64	22.66			
15	64QAM	1	0	22.70	22.62	22.55			
15	64QAM	1	37	22.60	22.65	22.48			
15	64QAM	1	74	22.57	22.64	22.53	23.5	2	
15	64QAM	36	0	21.54	21.62	21.65			
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69			
15	64QAM	75	0	21.68	21.65	21.66	22.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.56	24.57	24.42	25.5	0	
10	QPSK	1	25	24.40	24.46	24.44			
10	QPSK	1	49	24.50	24.60	24.49			
10	QPSK	25	0	23.63	23.65	23.58			
10	QPSK	25	12	23.64	23.50	23.56	24.5	1	
10	QPSK	25	25	23.47	23.56	23.52			
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69			
10	16QAM	1	25	23.56	23.53	23.60	24.5	1	
10	16QAM	1	49	23.54	23.64	23.62			
10	16QAM	25	0	22.59	22.62	22.57			
10	16QAM	25	12	22.63	22.68	22.64			
10	16QAM	25	25	22.65	22.72	22.70	23.5	2	
10	16QAM	50	0	22.68	22.62	22.58			
10	64QAM	1	0	22.44	22.51	22.55			
10	64QAM	1	25	22.25	22.49	22.37			
10	64QAM	1	49	22.43	22.51	22.39	23.5	2	
10	64QAM	25	0	21.57	21.57	21.50			
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56			
10	64QAM	50	0	21.52	21.48	21.52	22.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.40	24.58	24.52	25.5	0	
5	QPSK	1	12	24.48	24.61	24.52			
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69			
5	QPSK	12	7	23.64	23.62	23.64	24.5	1	
5	QPSK	12	13	23.64	23.65	23.62			
5	QPSK	25	0	23.63	23.61	23.65			
5	16QAM	1	0	23.54	23.49	23.66			
5	16QAM	1	12	23.86	23.67	23.52	24.5	1	
5	16QAM	1	24	23.63	23.68	23.56			
5	16QAM	12	0	22.68	22.58	22.50			
5	16QAM	12	7	22.56	22.54	22.55			
5	16QAM	12	13	22.55	22.75	22.62	23.5	2	
5	16QAM	25	0	22.63	22.71	22.72			
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73			
5	64QAM	1	24	22.78	22.61	22.67	23.5	2	
5	64QAM	12	0	21.59	21.65	21.70			
5	64QAM	12	7	21.67	21.65	21.76			
5	64QAM	12	13	21.57	21.74	21.62			
5	64QAM	25	0	21.56	21.47	21.66	22.5	3	
Channel				37750	38000	38250			
Frequency (MHz)				2570	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59		
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57	24.5	1
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72		
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69		
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72		
20	QPSK	100	0	23.71	23.80	23.83	23.69	23.56	24.5	1
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61		
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65		
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70	23.5	2
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78		
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72		
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71	23.5	2
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54		
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51		
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54		
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62	22.5	3
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43	25.50	0
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39		
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43		
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58	24.5	1
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54		
15	QPSK	36	39	23.58	23.70	23.70	23.61	23.46		
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52	24.5	1
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56		
15	16QAM	1	37	23.58	23.59	23.60	23.54	23.56		
15	16QAM	1	74	23.54	23.64	23.68	23.65	23.51	23.5	2
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44		
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68		
15	16QAM	36	39	22.81	22.62	22.63	22.61	22.49	23.5	2
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59		
15	64QAM	1	0	22.51	22.68	22.49	22.49	22.48		
15	64QAM	1	37	22.45	22.58	22.50	22.42	22.42	22.5	3
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44		
15	64QAM	36	0	21.57	21.59	21.63	21.60	21.54		
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61	25.50	0
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52		
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53	24.5	1
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57		
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54		
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38	24.5	1
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57		
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52		
10	QPSK	50	0	23.56	23.64	23.59	23.61	23.45	24.5	1
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63		
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40		
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42	23.5	2
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38		
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.59		
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62	23.5	2
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55		
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.66		
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36	22.5	3
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38		
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52		
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54	25.50	0
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56		
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.41		
Channel				39713	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.32	24.32	24.62	24.58	24.51	25.50	0
5	QPSK	1	12	24.52	24.41	24.58	24.58	24.63		
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66		
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73	24.5	1
5	QPSK	12	7	23.78	23.83	23.88	23.81	23.68		
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64		
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75	24.5	1
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65		
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71		
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62	23.5	2
5	16QAM	12	0	22.63	22.58	22.73	22.66	22.77		
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.73		
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69	22.5	3
5	16QAM	25	0	22.79	22.84	22.86	22.88	22.68		
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82		
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.66	23.5	2
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65		
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65		
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82	22.5	3
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67		
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71		

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
GSM850 Ant4		128	189	251		128	189	251	
TX Channel		128	189	251	Tune-up Limit (dBm)	128	189	251	Tune-up Limit (dBm)
Frequency (MHz)		128	189	251		128	189	251	
GSM 1 Tx slot		32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot		32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots		29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots		27.64	27.44	27.85	28.50	23.38	23.18	23.59	24.24
GPRS 4 Tx slots		26.48	26.54	26.45	27.50	23.48	23.54	23.45	24.50
EDGE 1 Tx slot		26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots		23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots		21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots		20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
GSM1900 Ant4		512	661	810		512	661	810	
TX Channel		512	661	810	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)		1850.2	1850	1909.8		1850.2	1850	1909.8	
GSM 1 Tx slot		26.99	28.98	28.84	30.50	19.89	19.98	19.84	21.50
GPRS 1 Tx slot		29.04	28.89	28.79	30.50	20.04	19.89	19.79	21.50
GPRS 2 Tx slots		26.39	26.52	26.51	27.50	20.39	20.52	20.51	21.50
GPRS 3 Tx slots		24.31	24.38	24.04	25.50	20.05	20.12	19.78	21.24
GPRS 4 Tx slots		22.87	23.10	22.81	24.50	19.87	20.10	19.81	21.50
EDGE 1 Tx slot		24.76	24.91	24.63	26.50	15.76	15.91	15.63	17.50
EDGE 2 Tx slots		22.18	22.25	22.24	24.00	16.18	16.25	16.24	18.00
EDGE 3 Tx slots		19.51	19.57	19.54	21.50	15.25	15.31	15.28	17.24
EDGE 4 Tx slots		19.29	19.04	19.40	20.50	16.29	16.04	16.40	17.50

Band		WCDMA II Ant4			Tune-up Limit (dBm)	WCDMA IV Ant4			Tune-up Limit (dBm)	WCDMA V Ant4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	Tune-up Limit (dBm)	1537	1638	1738		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1850	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.28	23.34	23.19	24.50	23.75	23.78	23.80	24.50	24.45	24.46	24.42	25.50
3GPP Rel 99	RMK 12.2Kbps	23.31	23.36	23.20	24.50	23.73	23.83	23.81	24.50	24.44	24.47	24.46	25.50
3GPP Rel 6	HSDPA Subtest-1	22.33	22.38	22.21	23.50	22.83	22.89	22.90	23.50	23.46	23.47	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	22.35	22.36	22.23	23.50	22.87	22.89	22.92	23.50	23.46	23.45	23.50	24.50
3GPP Rel 6	HSDPA Subtest-3	21.83	21.85	21.71	23.00	22.35	22.40	22.06	23.00	22.91	22.95	23.00	24.00
3GPP Rel 6	HSDPA Subtest-4	21.86	21.86	21.67	23.00	22.32	22.39	22.44	23.00	22.94	22.98	22.98	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.48	22.11	23.50	22.85	22.83	22.84	23.50	23.40	23.37	23.52	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.25	22.46	22.26	23.50	22.77	22.82	22.81	23.50	23.52	23.47	23.47	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.78	21.90	21.65	23.00	22.37	22.36	22.01	23.00	22.87	22.96	23.01	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.96	21.96	21.60	23.00	22.31	22.49	22.50	23.00	23.00	22.97	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	22.31	22.36	22.20	23.50	22.86	22.86	22.90	23.50	23.39	23.44	23.44	24.50
3GPP Rel 6	HSUPA Subtest-2	20.25	20.28	20.19	21.50	20.83	20.78	20.79	21.50	21.39	21.42	21.37	22.50
3GPP Rel 6	HSUPA Subtest-3	21.29	21.33	21.22	22.50	21.84	21.90	21.88	22.50	22.42	22.44	22.42	23.50
3GPP Rel 6	HSUPA Subtest-4	20.30	20.35	20.28	21.50	20.84	20.89	20.87	21.50	21.39	21.45	21.42	22.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.25	22.20	23.50	22.80	22.85	22.90	23.50	23.40	23.40	23.40	24.50

Band 2 Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	22.21	22.53	22.27	23.5	0			
20	QPSK	1	49	22.31	22.41	22.36					
20	QPSK	1	99	22.26	22.21	22.17					
20	QPSK	50	0	21.37	21.38	21.26	22.5	1			
20	QPSK	50	24	21.35	21.21	21.31					
20	QPSK	50	50	21.29	21.29	21.12					
20	QPSK	100	0	21.30	21.39	21.22	22.5	1			
20	16QAM	1	0	21.45	21.55	21.36					
20	16QAM	1	49	21.61	21.45	21.52					
20	16QAM	1	99	21.31	21.56	21.44	21.5	2			
20	16QAM	50	0	20.75	20.47	20.67					
20	16QAM	50	24	20.69	20.61	20.65					
20	16QAM	50	50	20.66	20.62	20.54	21.5	2			
20	16QAM	100	0	20.62	20.59	20.57					
20	64QAM	1	0	20.44	20.57	20.22					
20	64QAM	1	49	20.22	20.32	20.60	21.5	2			
20	64QAM	1	99	20.29	20.25	20.45					
20	64QAM	50	0	19.40	19.34	19.30					
20	64QAM	50	24	19.46	19.18	19.25	20.5	3			
20	64QAM	50	50	19.38	19.23	19.24					
20	64QAM	100	0	19.38	19.20	19.33					
Channel											
Frequency (MHz)				1867.5	1890	1912.5			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.23	22.31	22.17	23.5	0			
15	QPSK	1	37	22.33	22.22	22.19					
15	QPSK	1	74	22.05	22.13	22.04					
15	QPSK	36	0	21.43	21.25	21.23	22.5	1			
15	QPSK	36	20	21.36	21.19	21.29					
15	QPSK	36	39	21.26	21.20	21.26					
15	QPSK	75	0	21.30	21.23	21.30	22.5	1			
15	16QAM	1	0	21.49	21.47	21.28					
15	16QAM	1	37	21.25	21.56	21.39					
15	16QAM	1	74	21.30	21.41	21.34	21.5	2			
15	16QAM	36	0	20.34	20.35	20.31					
15	16QAM	36	20	20.46	20.36	20.35					
15	16QAM	36	39	20.29	20.25	20.20	21.5	2			
15	16QAM	75	0	20.40	20.26	20.21					
15	64QAM	1	0	20.40	20.32	20.45					
15	64QAM	1	37	20.33	20.10	20.10	21.5	2			
15	64QAM	1	74	20.27	20.35	20.29					
15	64QAM	36	0	19.39	19.29	19.35					
15	64QAM	36	20	19.37	19.16	19.26	20.5	3			
15	64QAM	36	39	19.28	19.25	19.27					
15	64QAM	75	0	19.45	19.21	19.25					
Channel											
Frequency (MHz)				1865	1880	1915			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.36	22.42	22.41	23.5	0			
10	QPSK	1	25	22.35	22.34	22.46					
10	QPSK	1	49	22.51	22.16	22.45					
10	QPSK	25	0	21.49	21.41	21.38	22.5	1			
10	QPSK	25	12	21.33	21.45	21.41					
10	QPSK	25	25	21.43	21.26	21.38					
10	QPSK	50	0	21.40	21.43	21.44	22.5	1			
10	16QAM	1	0	21.41	21.38	21.28					
10	16QAM	1	25	21.17	21.36	21.33					
10	16QAM	1	49	21.15	21.13	21.30	21.5	2			
10	16QAM	25	0	20.57	20.51	20.48					
10	16QAM	25	12	20.47	20.34	20.39					
10	16QAM	25	25	20.48	20.46	20.32	21.5	2			
10	16QAM	50	0	20.53	20.38	20.37					
10	64QAM	1	0	20.48	20.45	20.55					
10	64QAM	1	25	20.40	20.57	20.65	21.5	2			
10	64QAM	1	49	20.30	20.50	20.36					
10	64QAM	25	0	19.46	19.46	19.33					
10	64QAM	25	12	19.54	19.38	19.44	20.5	3			
10	64QAM	25	25	19.40	19.37	19.39					
10	64QAM	50	0	19.47	19.40	19.47					
Channel											
Frequency (MHz)				1852.5	1890	1917.5			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.32	22.31	22.12	23.5	0			
5	QPSK	1	12	22.13	22.30	22.24					
5	QPSK	1	24	22.42	22.19	22.22					
5	QPSK	12	0	21.49	21.53	21.40	22.5	1			
5	QPSK	12	7	21.41	21.51	21.41					
5	QPSK	12	13	21.35	21.37	21.26					
5	QPSK	25	0	21.56	21.35	21.29	22.5	1			
5	16QAM	1	0	21.53	21.49	21.44					
5	16QAM	1	12	21.49	21.39	21.59					
5	16QAM	1	24	21.24	21.51	21.36	21.5	2			
5	16QAM	12	0	20.49	20.54	20.43					
5	16QAM	12	7	20.62	20.47	20.57					
5	16QAM	12	13	20.43	20.43	20.28	21.5	2			
5	16QAM	25	0	20.50	20.48	20.30					
5	64QAM	1	0	19.97	20.18	20.12					
5	64QAM	1	12	19.92	20.14	19.93	21.5	2			
5	64QAM	1	24	20.00	19.83	20.09					
5	64QAM	12	0	19.54	19.69	19.40					
5	64QAM	12	7	19.43	19.49	19.41	20.5	3			
5	64QAM	12	13	19.49	19.30	19.34					
5	64QAM	25	0	19.36	19.37	19.27					
Channel											
Frequency (MHz)				1861.5	1890	1918.5			Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.42	22.48	22.40	23.5	0			
3	QPSK	1	8	22.32	22.28	22.48					
3	QPSK	1	14	22.25	22.24	22.14					
3	QPSK	8	0	21.59	21.48	21.50	22.5	1			
3	QPSK	8	4	21.67	21.47	21.38					
3	QPSK	8	7	21.41	21.38	21.25					
3	QPSK	15	0	21.44	21.50	21.37	22.5	1			
3	16QAM	1	0	21.45	21.50	21.36					
3	16QAM	1	8	21.49	21.44	21.68					
3	16QAM	1	14	21.69	21.69	21.51	21.5	2			
3	16QAM	8	0	20.71	20.45	20.47					
3	16QAM	8	4	20.53	20.67	20.35					
3	16QAM	8	7	20.52	20.49	20.35	21.5	2			
3	16QAM	15	0	20.46	20.68	20.34					
3	64QAM	1	0	20.61	20.65	20.34					
3	64QAM	1	8	20.29	20.64	20.50	21.5	2			
3	64QAM	1	14	20.49	20.37	20.42					
3	64QAM	8	0	19.39	19.52	19.44					
3	64QAM	8	4	19.43	19.48	19.12	20.5	3			
3	64QAM	8	7	19.49	19.36	19.41					
3	64QAM	15	0	19.40	19.35	19.44					
Channel											
Frequency (MHz)				1850 <th>1880</th> <th>1909.3</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	1880	1909.3			Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.04	22.32	22.13	23.5	0			
1.4	QPSK	1	3	22.38	22.28	22.24					
1.4	QPSK	1	5	22.19	22.04	22.25					
1.4	QPSK	3	0	22.24	22.33	22.26	22.5	1			
1.4	QPSK	3	1	22.28	22.22	22.30					
1.4	QPSK	3	3	22.28	22.19	22.08					
1.4	QPSK	6	0	21.38	21.42	21.31	22.5	1			
1.4	16QAM	1	0	21.25	21.50	21.30					
1.4	16QAM	1	5	21.50	21.26	21.23					
1.4	16QAM	3	0	21.20	21.39	21.29	22.5	1			
1.4	16QAM	3	1	21.55	21.34	21.19					
1.4	16QAM	3	3	21.33	21.34	21.43					
1.4	16QAM	6	0	20.25	20.34	20.30	21.5	2			
1.4	16QAM	6	1	20.40	20.47	20.27					
1.4	64QAM	1	3	20.28	20.27	20.33					
1.4	64QAM	1	5	20.28	20.39	20.15	21.5	2			
1.4	64QAM	3	0	20.58	20.30	20.47					
1.4	64QAM	3	1	20.49	20.58	20.30					
1.4	64QAM	3	3	20.42	20.21	20.20					
1.4	64QAM	6	0	19.09	19.26	19.30			20.5	3	

Band 2 Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	23.12	23.46	23.26	24.5	0				
20	QPSK	1	49	23.16	23.42	23.38						
20	QPSK	1	99	23.21	23.38	23.13						
20	QPSK	50	0	22.28	22.39	22.27						
20	QPSK	50	24	22.29	22.37	22.38	23.5	1				
20	QPSK	50	50	22.26	22.32	22.33						
20	QPSK	100	0	22.30	22.31	22.26						
20	16QAM	1	0	22.42	22.27	22.37						
20	16QAM	1	49	22.29	22.41	22.56	23.5	1				
20	16QAM	1	99	22.48	22.27	22.52						
20	16QAM	50	0	21.24	21.27	21.34						
20	16QAM	50	24	21.29	21.32	21.29						
20	16QAM	50	50	21.32	21.42	21.44	22.5	2				
20	16QAM	100	0	21.30	21.33	21.27						
20	84QAM	1	0	21.47	21.33	21.40						
20	84QAM	1	49	21.18	21.31	21.33						
20	84QAM	1	99	21.29	21.23	21.30	22.5	2				
20	84QAM	50	0	20.29	20.36	20.31						
20	84QAM	50	24	20.37	20.35	20.41						
20	84QAM	50	50	20.36	20.38	20.38						
20	84QAM	100	0	20.33	20.31	20.33	21.5	3				
Channel												
Frequency (MHz)				20025	20175	20325				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	23.09	23.23	23.20	23.5	1				
15	QPSK	1	37	23.38	23.17	23.13						
15	QPSK	1	74	23.14	23.24	23.17						
15	QPSK	36	0	22.21	22.35	22.38						
15	QPSK	36	20	22.27	22.27	22.40	23.5	1				
15	QPSK	36	39	22.30	22.32	22.25						
15	QPSK	75	0	22.26	22.27	22.33						
15	QPSK	1	45	22.47	22.41	22.46						
15	16QAM	1	37	22.38	22.34	22.43	23.5	1				
15	16QAM	1	74	22.37	22.38	22.25						
15	16QAM	36	0	21.26	21.28	21.27						
15	16QAM	36	20	21.38	21.30	21.39						
15	16QAM	36	39	21.34	21.23	21.30	22.5	2				
15	16QAM	75	0	21.35	21.39	21.34						
15	84QAM	1	0	21.06	21.18	20.93						
15	84QAM	1	37	20.41	21.08	20.87						
15	84QAM	1	74	20.29	20.90	20.88	22.5	2				
15	84QAM	36	0	20.21	20.28	20.29						
15	84QAM	36	20	20.29	20.31	20.37						
15	84QAM	36	39	20.30	20.32	20.27						
15	84QAM	75	0	20.22	20.29	20.39	21.5	3				
Channel												
Frequency (MHz)				20000 <th>20175<th>20350<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20350<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20350 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750						
10	QPSK	1	0	23.22	23.30	23.43	24.5	0				
10	QPSK	1	25	23.32	23.22	23.24						
10	QPSK	1	49	23.26	23.32	23.20						
10	QPSK	25	0	22.23	22.31	22.20						
10	QPSK	25	12	22.22	22.24	22.28	23.5	1				
10	QPSK	25	25	22.26	22.34	22.21						
10	QPSK	50	0	22.22	22.24	22.18						
10	16QAM	1	0	22.47	22.19	22.52						
10	16QAM	1	25	22.50	22.24	22.58	23.5	1				
10	16QAM	1	49	22.21	22.26	22.24						
10	16QAM	25	0	21.43	21.30	21.46						
10	16QAM	25	12	21.38	21.26	21.48						
10	16QAM	25	25	21.45	21.45	21.44	22.5	2				
10	16QAM	50	0	21.38	21.43	21.42						
10	84QAM	1	0	21.23	21.16	21.07						
10	84QAM	1	25	21.12	21.31	20.94						
10	84QAM	1	49	20.97	21.17	21.11	22.5	2				
10	84QAM	25	0	20.41	20.49	20.43						
10	84QAM	25	12	20.47	20.51	20.45						
10	84QAM	25	25	20.34	20.32	20.55						
10	84QAM	50	0	20.42	20.42	20.45	21.5	3				
Channel												
Frequency (MHz)				1597.5 <th>1701.5<th>2037.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	1701.5 <th>2037.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	2037.5				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5						
5	QPSK	1	0	23.37	23.16	23.26	24.5	0				
5	QPSK	1	12	23.10	23.34	23.34						
5	QPSK	1	24	23.38	23.44	23.25						
5	QPSK	12	0	22.20	22.21	22.27						
5	QPSK	12	7	22.25	22.22	22.29	23.5	1				
5	QPSK	12	13	22.12	22.26	22.24						
5	QPSK	25	0	22.19	22.25	22.28						
5	QPSK	1	0	22.36	22.20	22.18						
5	16QAM	1	12	22.27	22.14	22.30	23.5	1				
5	16QAM	1	24	22.30	22.35	22.26						
5	16QAM	12	0	21.43	21.37	21.50						
5	16QAM	12	7	21.48	21.50	21.53						
5	16QAM	12	13	21.58	21.56	21.43	22.5	2				
5	16QAM	25	0	21.45	21.52	21.49						
5	84QAM	1	0	21.22	21.23	21.02						
5	84QAM	1	12	21.00	21.03	21.00						
5	84QAM	1	25	21.18	21.26	21.12	22.5	2				
5	84QAM	12	0	20.41	20.36	20.36						
5	84QAM	12	7	20.40	20.46	20.44						
5	84QAM	12	13	20.31	20.44	20.33						
5	84QAM	25	0	20.48	20.40	20.39	21.5	3				
Channel												
Frequency (MHz)				19965 <th>20175<th>20385</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20175 <th>20385</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20385				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5<th></th><th></th><th></th></th></th>	1732.5 <th>1753.5<th></th><th></th><th></th></th>	1753.5 <th></th> <th></th> <th></th>						
3	QPSK	1	0	23.26	23.32	23.26	24.5	0				
3	QPSK	1	8	23.35	23.37	23.35						
3	QPSK	1	14	23.29	23.32	23.24						
3	QPSK	8	0	22.25	22.30	22.27						
3	QPSK	8	4	22.42	22.49	22.52	23.5	1				
3	QPSK	8	7	22.41	22.50	22.35						
3	QPSK	15	0	22.33	22.42	22.45						
3	16QAM	1	0	22.32	22.34	22.11						
3	16QAM	1	8	22.04	22.30	22.28	23.5	1				
3	16QAM	1	14	22.09	22.24	22.28						
3	16QAM	8	0	21.38	21.54	21.45						
3	16QAM	8	4	21.43	21.59	21.52						
3	16QAM	15	0	21.41	21.61	21.52	22.5	2				
3	16QAM	15	0	21.46	21.39	21.52						
3	16QAM	1	0	21.16	21.25	21.25						
3	84QAM	1	8	21.39	21.16	21.03						
3	84QAM	1	14	21.27	21.20	21.29	22.5	2				
3	84QAM	8	0	20.33	20.24	20.41						
3	84QAM	8	4	20.16	20.39	20.26						
3	84QAM	8	7	20.54	20.50	20.40						
3	84QAM	15	0	20.36	20.26	20.47	21.5	3				
Channel												
Frequency (MHz)				1707.5	1732.5	1754.5				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.19	23.21	23.23				24.5	0	
1.4	QPSK	1	3	23.27	23.31	23.23						
1.4	QPSK	1	5	23.18	23.29	23.07						
1.4	QPSK	3	0	23.23	23.22	23.29						
1.4	QPSK	3	1	23.17	23.28	23.30	23.5	1				
1.4	QPSK	3	3	23.17	23.34	23.27						
1.4	QPSK	6	0	22.30	22.40	22.32						
1.4	16QAM	1	0	22.27	22.17	22.13						
1.4	16QAM	1	0	21.06	21.06	20.98	23.5	1				
1.4	16QAM	1	5	22.05	21.96	22.12						
1.4	16QAM	3	0	22.13	22.26	22.15						
1.4	16QAM	3	1	22.20	22.28	22.25						
1.4	16QAM	3	3	22.08	22.14	22.00	22.5	2				
1.4	16QAM	6	0	21.33	21.29	21.37						
1.4	84QAM	1	0	21.18	21.16	21.28						
1.4	84QAM	1	3	21.09	20.96	21.23						
1.4	84QAM	1	5	21.25	21.24	21.28	22.5	2				
1.4	84QAM	3	0	21.36	21.24	21.20						
1.4	84QAM	3	1	21.36	21.08	21.36						
1.4	84QAM	3	3	21.37	21.18	21.21						
1.4	84QAM	6	0	20.34	20.24	20.22	21.5	3				

Band 7 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.56	22.67	22.35	23.5	0	
20	QPSK	1	49	22.35	22.46	22.34			
20	QPSK	1	99	22.38	22.46	22.42			
20	QPSK	50	0	21.38	21.65	21.42	22.5	1	
20	QPSK	50	24	21.46	21.49	21.56			
20	QPSK	50	50	21.47	21.55	21.49			
20	QPSK	100	0	21.45	21.52	21.40	22.5	1	
20	16QAM	1	0	21.71	21.79	21.83			
20	16QAM	1	49	21.91	21.97	21.81			
20	16QAM	1	99	21.98	21.75	21.83	21.5	2	
20	16QAM	50	0	20.40	20.49	20.43			
20	16QAM	50	24	20.48	20.45	20.44			
20	16QAM	50	50	20.57	20.53	20.63	21.5	2	
20	16QAM	100	0	20.50	20.54	20.50			
20	64QAM	1	0	20.61	20.55	20.48			
20	64QAM	1	49	20.47	20.51	20.77	21.5	2	
20	64QAM	1	99	20.48	20.77	20.78			
20	64QAM	50	0	19.35	19.43	19.44			
20	64QAM	50	24	19.54	19.44	19.80	20.5	3	
20	64QAM	50	50	19.49	19.50	19.88			
20	64QAM	100	0	19.59	19.48	19.50			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.34	22.62	22.28	23.5	0	
15	QPSK	1	37	22.37	22.32	22.56			
15	QPSK	1	74	22.44	22.45	22.43			
15	QPSK	36	0	21.47	21.58	21.50	22.5	1	
15	QPSK	36	20	21.48	21.46	21.51			
15	QPSK	36	39	21.49	21.51	21.58			
15	QPSK	75	0	21.56	21.49	21.54	22.5	1	
15	16QAM	1	0	21.49	21.79	21.72			
15	16QAM	1	37	21.52	21.48	21.49			
15	16QAM	1	74	21.59	21.50	21.51	21.5	2	
15	16QAM	36	0	20.50	20.40	20.56			
15	16QAM	36	20	20.46	20.43	20.59			
15	16QAM	36	39	20.57	20.55	20.82	21.5	2	
15	16QAM	75	0	20.51	20.48	20.81			
15	64QAM	1	0	20.45	20.59	20.73			
15	64QAM	1	37	20.58	20.64	20.81	21.5	2	
15	64QAM	1	74	20.47	20.75	20.62			
15	64QAM	36	0	19.47	19.50	19.53			
15	64QAM	36	20	19.45	19.52	19.49	20.5	3	
15	64QAM	36	39	19.55	19.56	19.58			
15	64QAM	75	0	19.44	19.38	19.50			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.32	22.65	22.40	23.5	0	
10	QPSK	1	25	22.46	22.51	22.66			
10	QPSK	1	49	22.43	22.58	22.52			
10	QPSK	25	0	21.64	21.56	21.63	22.5	1	
10	QPSK	25	12	21.53	21.67	21.69			
10	QPSK	25	25	21.57	21.75	21.82			
10	QPSK	50	0	21.56	21.55	21.64	22.5	1	
10	16QAM	1	0	21.59	21.55	21.44			
10	16QAM	1	25	21.76	21.85	21.53			
10	16QAM	1	49	21.72	21.70	21.68	21.5	2	
10	16QAM	25	0	20.58	20.58	20.42			
10	16QAM	25	12	20.59	20.46	20.28			
10	16QAM	25	25	20.52	20.40	20.80	21.5	2	
10	16QAM	50	0	20.59	20.56	20.70			
10	16QAM	1	0	20.47	20.55	20.31			
10	64QAM	1	25	20.57	20.34	20.54	21.5	2	
10	64QAM	1	49	20.45	20.38	20.56			
10	64QAM	25	0	19.58	19.46	19.88			
10	64QAM	25	12	19.66	19.72	19.76	20.5	3	
10	64QAM	25	25	19.65	19.71	19.76			
10	64QAM	50	0	19.57	19.43	19.70			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.45	22.62	22.54	23.5	0	
5	QPSK	1	12	22.33	22.38	22.47			
5	QPSK	1	24	22.55	22.62	22.58			
5	QPSK	12	0	21.51	21.58	21.64	22.5	1	
5	QPSK	12	7	21.69	21.67	21.77			
5	QPSK	12	13	21.64	21.65	21.77			
5	QPSK	25	0	21.56	21.66	21.79	22.5	1	
5	16QAM	1	0	21.62	21.66	21.50			
5	16QAM	1	12	21.42	21.74	21.69			
5	16QAM	1	24	21.74	21.80	21.51	21.5	2	
5	16QAM	12	0	20.57	20.43	20.77			
5	16QAM	12	7	20.72	20.71	20.75			
5	16QAM	12	13	20.74	20.79	20.68	21.5	2	
5	16QAM	25	0	20.57	20.58	20.74			
5	64QAM	1	0	20.56	20.47	20.74			
5	64QAM	1	12	20.69	20.61	20.53	21.5	2	
5	64QAM	1	24	20.78	20.74	20.61			
5	64QAM	12	0	19.53	19.57	19.56			
5	64QAM	12	7	19.56	19.52	19.68	20.5	3	
5	64QAM	12	13	19.46	19.72	19.59			
5	64QAM	25	0	19.49	19.55	19.82			

Band 12 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.58	24.76	24.57	25.5	0	
10	QPSK	1	25	24.54	24.54	24.37			
10	QPSK	1	49	24.58	24.60	24.61			
10	QPSK	25	0	23.57	23.78	23.63	24.5	1	
10	QPSK	25	12	23.76	23.61	23.47			
10	QPSK	25	25	23.65	23.61	23.55			
10	QPSK	50	0	23.70	23.73	23.68	24.5	1	
10	16QAM	1	0	24.13	23.82	23.76			
10	16QAM	1	25	23.76	24.06	23.74			
10	16QAM	1	49	23.75	23.83	24.08	23.5	2	
10	16QAM	25	0	22.66	22.56	22.56			
10	16QAM	25	12	22.81	22.75	22.50			
10	16QAM	25	25	22.69	22.58	22.60	23.5	2	
10	16QAM	50	0	22.70	22.65	22.66			
10	64QAM	1	0	22.71	22.72	22.66			
10	64QAM	1	25	22.59	22.75	22.63	23.5	2	
10	64QAM	1	49	22.61	22.88	22.61			
10	64QAM	25	0	21.69	21.62	21.56			
10	64QAM	25	12	21.79	21.82	21.72	22.5	3	
10	64QAM	25	25	21.64	21.59	21.73			
10	64QAM	50	0	21.71	21.56	21.49			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.50	24.75	24.70	25.5	0	
5	QPSK	1	12	24.71	24.68	24.61			
5	QPSK	1	24	24.72	24.74	24.66			
5	QPSK	12	0	23.79	23.81	23.78	24.5	1	
5	QPSK	12	7	23.77	23.83	23.79			
5	QPSK	12	13	23.89	23.80	23.72			
5	QPSK	25	0	23.86	23.75	23.77	24.5	1	
5	16QAM	1	0	23.63	23.78	23.65			
5	16QAM	1	12	23.86	23.77	23.83			
5	16QAM	1	24	23.73	23.87	23.86	23.5	2	
5	16QAM	12	0	22.86	22.82	22.72			
5	16QAM	12	7	22.87	22.86	22.78			
5	16QAM	12	13	22.67	22.79	22.75	23.5	2	
5	16QAM	25	0	22.86	22.72	22.67			
5	64QAM	1	0	23.07	22.89	23.02			
5	64QAM	1	12	22.75	22.90	22.98	23.5	2	
5	64QAM	1	24	22.81	23.07	23.10			
5	64QAM	12	0	21.86	21.75	21.69			
5	64QAM	12	7	22.02	21.74	21.85	22.5	3	
5	64QAM	12	13	21.75	21.85	21.69			
5	64QAM	25	0	21.78	21.71	21.68			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.54	24.72	24.55	25.5	0	
3	QPSK	1	8	24.64	24.66	24.50			
3	QPSK	1	14	24.75	24.45	24.58			
3	QPSK	8	0	23.71	23.65	23.67	24.5	1	
3	QPSK	8	4	23.77	23.70	23.63			
3	QPSK	8	7	23.79	23.65	23.68			
3	QPSK	15	0	23.74	23.62	23.55	24.5	1	
3	16QAM	1	0	23.42	23.79	23.62			
3	16QAM	1	8	23.58	23.61	23.72			
3	16QAM	1	14	23.67	23.59	23.78	23.5	2	
3	16QAM	8	0	22.72	22.63	22.46			
3	16QAM	8	4	22.85	22.78	22.79			
3	16QAM	8	7	22.80	22.79	22.69	23.5	2	
3	16QAM	15	0	22.81	22.63	22.64			
3	64QAM	1	0	22.82	22.81	22.55			
3	64QAM	1	8	22.81	22.75	22.59	22.5	3	
3	64QAM	1	14	22.71	22.82	22.87			
3	64QAM	8	0	21.76	21.67	21.70			
3	64QAM	8	4	21.84	21.85	21.83	22.5	3	
3	64QAM	8	7	21.74	21.54	21.72			
3	64QAM	15	0	21.86	21.62	21.51			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.62	24.70	24.42	25.5	0	
1.4	QPSK	1	3	24.56	24.62	24.60			
1.4	QPSK	1	9	24.48	24.40	24.53			
1.4	QPSK	3	0	24.65	24.44	24.42	24.5	1	
1.4	QPSK	3	1	24.74	24.60	24.58			
1.4	QPSK	3	3	24.53	24.44	24.51			
1.4	QPSK	6	0	23.71	23.50	23.53	24.5	1	
1.4	16QAM	1	0	23.94	23.84	23.64			
1.4	16QAM	1	3	23.65	23.66	23.90			
1.4	16QAM	1	9	23.74	23.80	23.81	23.5	2	
1.4	16QAM	3	0	23.81	23.71	23.66			
1.4	16QAM	3	1	23.67	23.93	23.79			
1.4	16QAM	3	3	23.77	23.55	23.60	23.5	2	
1.4	16QAM	6	0	22.67	22.50	22.46			
1.4	64QAM	1	0	22.84	22.69	22.71			
1.4	64QAM	1	3	23.03	23.00	22.78	23.5	2	
1.4	64QAM	1	9	22.76	22.59	22.68			
1.4	64QAM	3	0	22.74	22.69	22.78			
1.4	64QAM	3	1	22.80	22.88	22.67	22.5	3	
1.4	64QAM	3	3	22.58	22.61	22.60			
1.4	64QAM	6	0	21.60	21.59	21.53			

Band 17 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				705	710	715			
10	QPSK	1	0	24.42	24.74	24.45			
10	QPSK	1	25	24.50	24.45	24.43		25.5	0
10	QPSK	1	49	24.44	24.51	24.60			
10	QPSK	25	0	23.51	23.67	23.50			
10	QPSK	25	12	23.58	23.53	23.58		24.5	1
10	QPSK	25	25	23.62	23.61	23.50			
10	QPSK	50	0	23.62	23.66	23.43			
10	16QAM	1	0	23.63	23.51	23.76		24.5	1
10	16QAM	1	25	23.68	23.64	23.51			
10	16QAM	1	49	23.60	23.70	23.82			
10	16QAM	25	0	22.59	22.58	22.53			
10	16QAM	25	12	22.59	22.43	22.56		23.5	2
10	16QAM	25	25	22.64	22.73	22.61			
10	16QAM	50	0	22.57	22.64	22.48			
10	64QAM	1	0	22.45	22.50	22.54			
10	64QAM	1	25	22.71	22.57	22.59		23.5	2
10	64QAM	1	49	22.52	22.34	22.75			
10	64QAM	25	0	21.43	21.70	21.49			
10	64QAM	25	12	21.65	21.60	21.54		22.5	3
10	64QAM	25	25	21.66	21.55	21.70			
10	64QAM	50	0	21.58	21.52	21.53			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.69	24.67	24.46		25.5	0
5	QPSK	1	12	24.39	24.48	24.37			
5	QPSK	1	24	24.62	24.53	24.41			
5	QPSK	12	0	23.56	23.63	23.52		24.5	1
5	QPSK	12	7	23.64	23.63	23.33			
5	QPSK	12	13	23.56	23.56	23.68			
5	QPSK	25	0	23.62	23.53	23.50			
5	16QAM	1	0	23.71	23.73	23.68		24.5	1
5	16QAM	1	12	23.54	23.38	23.69			
5	16QAM	1	24	23.44	23.51	23.42			
5	16QAM	12	0	22.64	22.73	22.66		23.5	2
5	16QAM	12	7	22.63	22.71	22.55			
5	16QAM	12	13	22.58	22.69	22.50			
5	16QAM	25	0	22.78	22.88	22.80			
5	64QAM	1	0	22.57	22.55	22.73		23.5	2
5	64QAM	1	12	22.68	22.61	22.45			
5	64QAM	1	24	22.63	22.74	22.82			
5	64QAM	12	0	21.68	21.77	21.50		22.5	3
5	64QAM	12	7	21.55	21.81	21.45			
5	64QAM	12	13	21.67	21.63	21.78			
5	64QAM	25	0	21.59	21.43	21.58			

Band 26 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.42	24.48	24.38		25.5	0
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26		24.5	1
15	QPSK	36	20	23.30	23.49	23.28			
15	QPSK	36	39	23.31	23.28	23.36			
15	QPSK	75	0	23.39	23.49	23.43		24.5	1
15	16QAM	1	0	23.35	23.48	23.38			
15	16QAM	1	37	23.34	23.38	23.34			
15	16QAM	1	74	23.43	23.46	23.19		23.5	2
15	16QAM	36	0	22.44	22.38	22.28			
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17		23.5	2
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.54	22.38			
15	64QAM	1	37	22.21	22.35	22.20		23.5	2
15	64QAM	1	74	22.33	22.41	22.31			
15	64QAM	36	0	21.43	21.55	21.49			
15	64QAM	36	20	21.33	21.32	21.35		22.5	3
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35		25.5	0
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.07			
10	QPSK	25	0	23.39	23.45	23.11		24.5	1
10	QPSK	25	12	23.23	23.44	23.23			
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32		24.5	1
10	16QAM	1	0	23.35	23.32	23.20			
10	16QAM	1	25	23.18	23.18	23.18			
10	16QAM	1	49	23.09	23.42	23.07		23.5	2
10	16QAM	25	0	22.40	22.18	22.21			
10	16QAM	25	12	22.31	22.31	22.07			
10	16QAM	25	25	22.27	22.19	22.09		23.5	2
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.39	22.26			
10	64QAM	1	25	22.04	22.27	22.15		23.5	2
10	64QAM	1	49	22.13	22.33	22.14			
10	64QAM	25	0	21.41	21.38	21.39			
10	64QAM	25	12	21.29	21.16	21.20		22.5	3
10	64QAM	25	25	21.26	21.28	21.18			
10	64QAM	50	0	21.16	21.43	21.34			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22		25.5	0
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22		24.5	1
5	QPSK	12	7	23.29	23.45	23.32			
5	QPSK	12	13	23.16	23.19	23.29			
5	QPSK	25	0	23.30	23.37	23.54		24.5	1
5	16QAM	1	0	23.24	23.32	23.39			
5	16QAM	1	12	23.22	23.34	23.37			
5	16QAM	1	24	23.12	23.33	23.12		23.5	2
5	16QAM	12	0	22.30	22.41	22.28			
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08		23.5	2
5	16QAM	25	0	22.49	22.30	22.23			
5	64QAM	1	0	22.31	22.51	22.24			
5	64QAM	1	12	22.27	22.31	22.23		22.5	3
5	64QAM	1	24	22.20	22.38	22.25			
5	64QAM	12	0	21.34	21.43	21.49			
5	64QAM	12	7	21.32	21.32	21.40		22.5	3
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42		25.5	0
3	QPSK	1	8	24.21	24.14	24.37			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31		24.5	1
3	QPSK	8	4	23.21	23.49	23.12			
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33		24.5	1
3	16QAM	1	0	23.23	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39			
3	16QAM	1	14	23.24	23.41	23.22		23.5	2
3	16QAM	8	0	22.38	22.30	22.20			
3	16QAM	8	4	22.28	22.18	22.07			
3	16QAM	8	7	22.28	22.24	22.17		23.5	2
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.37	22.40			
3	64QAM	1	8	22.26	22.23	22.13		23.5	2
3	64QAM	1	14	22.34	22.36	22.22			
3	64QAM	8	0	21.40	21.41	21.55			
3	64QAM	8	4	21.19	21.21	21.22		22.5	3
3	64QAM	8	7	21.43	21.28	21.24			
3	64QAM	15	0	21.34	21.40	21.43			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31		25.5	0
1.4	QPSK	1	3	24.25	24.29	24.28			
1.4	QPSK	1	5	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28		24.5	1
1.4	QPSK	3	1	24.27	24.41	24.26			
1.4	QPSK	3	3	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28		24.5	1
1.4	16QAM	1	0	23.33	23.35	23.15			
1.4	16QAM	1	3	23.17	23.20	23.16			
1.4	16QAM	1	5	23.17	23.21	23.05		24.5	1
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06			
1.4	16QAM	3	3	23.31	23.18	23.06		23.5	2
1.4	16QAM	6	0	22.47	22.23	22.18			
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17		23.5	2
1.4	64QAM	1	5	22.26	22.38	22.04			
1.4	64QAM	3	0	22.39	22.36	22.28			
1.4	64QAM	3	1	22.34	22.45	22.26		22.5	3
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18			

Band 38 Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	23.5	0	
20	QPSK	1	0	22.63	22.85	22.64			
20	QPSK	1	49	22.71	22.57	22.79			
20	QPSK	1	99	22.67	22.55	22.54			
20	QPSK	50	0	21.54	21.74	21.65	22.5	1	
20	QPSK	50	24	21.66	21.66	21.70			
20	QPSK	50	50	21.57	21.60	21.70			
20	QPSK	100	0	21.63	21.76	21.68			
20	16QAM	1	0	21.63	21.75	21.69	22.5	1	
20	16QAM	1	49	21.70	21.73	21.76			
20	16QAM	1	99	21.67	21.69	21.60			
20	16QAM	50	0	20.54	20.72	20.62			
20	16QAM	50	24	20.64	20.72	20.81	21.5	2	
20	16QAM	50	50	20.59	20.80	20.78			
20	16QAM	100	0	20.64	20.62	20.74			
20	64QAM	1	0	20.84	20.88	20.81			
20	64QAM	1	49	20.96	20.92	20.88	21.5	2	
20	64QAM	1	99	20.86	20.73	20.71			
20	64QAM	50	0	19.70	19.71	19.71			
20	64QAM	50	24	19.83	19.80	19.82			
20	64QAM	50	50	19.66	19.89	19.87	20.5	3	
20	64QAM	50	99	19.82	19.89	19.94			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.48	22.63	22.49	23.5	0	
15	QPSK	1	37	22.70	22.69	22.68			
15	QPSK	1	74	22.67	22.63	22.48			
15	QPSK	36	0	21.60	21.66	21.63			
15	QPSK	36	20	21.68	21.66	21.63	22.5	1	
15	QPSK	36	39	21.62	21.69	21.66			
15	QPSK	75	0	21.61	21.69	21.64			
15	16QAM	1	0	21.63	21.67	21.63			
15	16QAM	1	37	21.69	21.81	21.75	22.5	1	
15	16QAM	1	74	21.64	21.79	21.73			
15	16QAM	36	0	20.54	20.60	20.66			
15	16QAM	36	20	20.62	20.78	20.65			
15	16QAM	36	39	20.65	20.73	20.69	21.5	2	
15	16QAM	75	0	20.67	20.67	20.63			
15	64QAM	1	0	20.79	20.99	20.75			
15	64QAM	1	37	20.82	20.87	20.67			
15	64QAM	1	74	20.77	20.81	20.64	21.5	2	
15	64QAM	36	0	19.72	19.78	19.74			
15	64QAM	36	20	19.90	19.77	19.84			
15	64QAM	36	39	19.83	19.91	19.78			
15	64QAM	75	0	19.84	19.89	19.76	20.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.84	22.52	22.75	23.5	0	
10	QPSK	1	25	22.53	22.66	22.69			
10	QPSK	1	49	22.58	22.68	22.70			
10	QPSK	25	0	21.81	21.77	21.72			
10	QPSK	25	12	21.81	21.78	21.75	22.5	1	
10	QPSK	25	25	21.81	21.77	21.70			
10	QPSK	50	0	21.79	21.74	21.81			
10	16QAM	1	0	21.75	21.78	21.73			
10	16QAM	1	25	21.62	21.92	21.67	22.5	1	
10	16QAM	1	49	21.73	21.76	21.76			
10	16QAM	25	0	20.72	20.86	20.80			
10	16QAM	25	12	20.82	20.86	20.84			
10	16QAM	25	25	20.81	20.86	20.79	21.5	2	
10	16QAM	50	0	20.76	20.74	20.69			
10	64QAM	1	0	20.64	20.75	20.69			
10	64QAM	1	25	20.69	20.90	20.56			
10	64QAM	1	49	20.81	20.83	20.53	21.5	2	
10	64QAM	25	0	19.76	19.64	19.74			
10	64QAM	25	12	19.68	19.81	19.78			
10	64QAM	25	25	19.77	19.73	19.74			
10	64QAM	50	0	19.72	19.77	19.75	20.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.71	22.69	22.82	23.5	0	
5	QPSK	1	12	22.76	22.54	22.56			
5	QPSK	1	24	22.59	22.81	22.53			
5	QPSK	12	0	21.80	21.77	21.80			
5	QPSK	12	7	21.77	21.73	21.75	22.5	1	
5	QPSK	12	13	21.68	21.82	21.73			
5	QPSK	25	0	21.76	21.83	21.75			
5	16QAM	1	0	21.67	21.75	21.77			
5	16QAM	1	12	21.51	21.76	21.89	22.5	1	
5	16QAM	1	24	21.63	21.79	22.01			
5	16QAM	12	0	20.64	20.61	20.84			
5	16QAM	12	7	20.73	20.76	20.79			
5	16QAM	12	13	20.72	20.76	20.85	21.5	2	
5	16QAM	25	0	20.70	20.74	20.84			
5	64QAM	1	0	20.77	20.54	20.58			
5	64QAM	1	12	20.77	20.64	20.67			
5	64QAM	1	24	20.79	20.85	20.66	21.5	2	
5	64QAM	12	0	19.75	19.72	19.72			
5	64QAM	12	7	19.83	19.79	19.79			
5	64QAM	12	13	19.71	19.76	19.85			
5	64QAM	25	0	19.72	19.61	19.88	20.5	3	

Band 41 Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.53	22.57	22.89	22.68	22.68	23.5	0
20	QPSK	1	49	22.69	22.76	22.70	22.71	22.52		
20	QPSK	1	99	22.56	22.52	22.73	22.64	22.59		
20	QPSK	50	0	21.69	21.72	21.88	21.69	21.76	22.5	1
20	QPSK	50	24	21.67	21.80	21.79	21.69	21.61		
20	QPSK	50	50	21.68	21.74	21.80	21.74	21.63		
20	QPSK	100	0	21.71	21.79	21.85	21.79	21.79	22.5	1
20	16QAM	1	0	21.71	21.84	21.94	21.86	21.93		
20	16QAM	1	49	21.77	21.84	21.88	21.86	21.83		
20	16QAM	1	99	21.61	21.76	21.82	21.77	21.81	21.5	2
20	16QAM	50	0	20.57	20.68	20.86	20.84	20.69		
20	16QAM	50	24	20.72	20.87	20.88	20.76	20.82		
20	16QAM	50	50	20.76	20.80	20.87	20.84	20.86	21.5	2
20	16QAM	100	0	20.71	20.78	20.88	20.81	20.75		
20	64QAM	1	0	20.58	20.61	20.79	20.71	20.98		
20	64QAM	1	49	20.65	20.70	20.85	20.60	20.68	21.5	2
20	64QAM	1	99	20.59	20.77	20.79	20.64	20.59		
20	64QAM	50	0	19.61	19.73	19.72	19.68	19.74		
20	64QAM	50	24	19.67	19.83	19.84	19.79	19.76	20.5	3
20	64QAM	50	50	19.70	19.75	19.83	19.67	19.63		
20	64QAM	100	0	19.82	19.82	19.92	19.73	19.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	22.54	22.56	22.78	22.77	22.68	23.50	0
15	QPSK	1	37	22.57	22.49	22.75	22.50	22.59		
15	QPSK	1	74	22.54	22.68	22.77	22.63	22.37		
15	QPSK	36	0	21.65	21.75	21.81	21.74	21.75	22.5	1
15	QPSK	36	20	21.73	21.69	21.90	21.69	21.71		
15	QPSK	36	39	21.68	21.76	21.84	21.75	21.80		
15	QPSK	75	0	21.72	21.81	21.91	21.69	21.63	22.5	1
15	16QAM	1	0	21.78	21.79	21.93	21.91	21.73		
15	16QAM	1	37	21.74	21.73	21.82	21.65	21.79		
15	16QAM	1	74	21.71	21.74	21.85	21.76	21.74	22.5	1
15	16QAM	36	0	20.60	20.66	20.85	20.76	20.65		
15	16QAM	36	20	20.68	20.72	20.84	20.80	20.70		
15	16QAM	36	39	20.63	20.80	20.90	20.76	20.79	21.5	2
15	16QAM	75	0	20.73	20.88	20.92	20.76	20.76		
15	64QAM	1	0	20.69	20.69	20.91	20.70	20.88		
15	64QAM	1	37	20.53	20.52	20.72	20.50	20.82	21.5	2
15	64QAM	1	74	20.67	20.72	20.83	20.72	20.60		
15	64QAM	36	0	19.55	19.72	19.79	19.79	19.76		
15	64QAM	36	20	19.70	19.76	19.89	19.82	19.73	20.5	3
15	64QAM	36	39	19.76	19.74	19.92	19.78	19.81		
15	64QAM	75	0	19.72	19.78	19.91	19.81	19.67		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.85	22.70	22.87	22.63	22.58	23.50	0
10	QPSK	1	25	22.84	22.75	22.83	22.74	22.82		
10	QPSK	1	49	22.76	22.87	22.75	22.87	22.71		
10	QPSK	25	0	21.77	21.81	21.85	21.76	21.74	22.5	1
10	QPSK	25	12	21.85	21.96	21.95	21.81	21.90		
10	QPSK	25	25	21.71	21.84	22.02	21.87	21.95		
10	QPSK	50	0	21.91	21.93	22.02	21.90	21.90	22.5	1
10	16QAM	1	0	21.88	21.89	21.95	22.06	22.06		
10	16QAM	1	25	21.94	22.00	21.94	21.75	22.12		
10	16QAM	1	49	21.77	21.92	21.95	21.92	21.88	21.5	2
10	16QAM	25	0	20.87	20.98	20.94	20.83	20.87		
10	16QAM	25	12	20.87	20.95	20.95	21.00	20.86		
10	16QAM	25	25	20.92	20.93	21.03	20.90	20.80	21.5	2
10	16QAM	50	0	20.92	21.01	21.01	20.93	20.85		
10	64QAM	1	0	20.85	20.85	21.01	20.83	21.04		
10	64QAM	1	25	20.75	20.78	21.01	20.73	20.75	21.5	2
10	64QAM	1	49	20.73	20.81	20.94	20.76	20.92		
10	64QAM	25	0	19.83	19.93	19.91	19.89	19.82		
10	64QAM	25	12	19.81	20.00	19.91	19.84	19.79	20.5	3
10	64QAM	25	25	19.76	19.99	20.00	19.95	19.85		
10	64QAM	50	0	19.79	19.87	19.95	19.77	19.88		
Channel				39673	40133	40620	41063	41503	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2499.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	22.63	22.60	22.80	22.61	22.86	23.50	0
5	QPSK	1	12	22.61	22.74	22.67	22.81	22.71		
5	QPSK	1	24	22.84	22.58	22.58	22.73	22.83		
5	QPSK	12	0	21.83	21.71	22.01	21.88	21.94	22.5	1
5	QPSK	12	7	21.78	21.87	22.06	21.91	21.99		
5	QPSK	12	13	21.76	21.84	21.97	21.85	21.89		
5	QPSK	25	0	21.81	21.86	21.97	21.90	21.70	22.5	1
5	16QAM	1	0	21.78	21.87	21.81	21.83	21.74		
5	16QAM	1	12	21.86	21.95	21.83	21.79	21.83		
5	16QAM	1	24	21.74	22.14	21.92	21.93	22.07	21.5	2
5	16QAM	12	0	20.80	20.76	20.79	20.80	20.73		
5	16QAM	12	7	20.85	20.81	21.02	20.94	20.89		
5	16QAM	12	13	20.81	20.87	20.91	20.97	20.89	21.5	2
5	16QAM	25	0	20.80	20.96	20.99	20.99	20.86		
5	64QAM	1	0	20.90	21.07	20.99	20.92	20.95		
5	64QAM	1	12	20.79	20.80	20.98	20.84	20.68	21.5	2
5	64QAM	1	24	20.80	20.87	21.03	20.96	21.09		
5	64QAM	12	0	19.80	19.85	19.96	19.79	19.81		
5	64QAM	12	7	19.85	19.91	20.03	19.94	19.97	20.5	3
5	64QAM	12	13	19.81	19.97	20.02	19.98	19.96		
5	64QAM	25	0	19.76	19.81	19.95	19.83	19.88		

Reduced power level for WWAN

GSM850 Am0 DS11									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189	251	128	189	251		
Frequency (MHz)		624.2	836.4	946.8	624.2	836.4	946.8		
GSM 1 Tx slot		32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot		32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots		29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots		27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots		26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot		25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots		23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots		21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots		19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

GSM1900 Am0 DS11									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661	810	512	661	810		
Frequency (MHz)		1850.2	1850	1909.8	1850.2	1850	1909.8		
GSM 1 Tx slot		29.27	29.33	29.21	30.50	20.27	20.33	20.21	21.50
GPRS 1 Tx slot		29.34	29.28	29.10	30.50	20.34	20.28	20.10	21.50
GPRS 2 Tx slots		26.70	26.64	26.39	27.50	20.70	20.64	20.39	21.50
GPRS 3 Tx slots		24.63	24.82	24.61	25.50	20.37	20.56	20.35	21.24
GPRS 4 Tx slots		23.17	23.52	23.43	24.50	20.17	20.52	20.43	21.50
EDGE 1 Tx slot		25.23	25.39	25.18	26.50	16.23	16.39	16.18	17.50
EDGE 2 Tx slots		22.51	22.45	22.27	24.00	16.51	16.45	16.27	18.00
EDGE 3 Tx slots		19.92	19.82	19.73	21.50	15.66	15.56	15.47	17.24
EDGE 4 Tx slots		19.97	19.69	19.85	20.50	16.97	16.69	16.85	17.50

WCDMA II Am0 DS11									
WCDMA IV Am0 DS11									
WCDMA V Am0 DS11									
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	TX Channel	9262	9400	9538	1312	1413	1513		
Frequency (MHz)		9602	9600	9603	1537	1638	1738	4132	4182
		1852.4	1880	1907.6	1712.4	1732.6	1752.6	4268.4	4368.4
3GPP Rel 99	AMR 12.2Kbps	24.38	24.33	24.31	25.50	24.81	24.84	24.82	25.50
3GPP Rel 99	RMC 12.2Kbps	24.40	24.43	24.36	25.50	24.85	24.88	24.80	25.50
3GPP Rel 6	HSOPA Subtest-1	23.80	23.83	23.81	24.50	23.92	23.91	23.76	24.50
3GPP Rel 6	HSOPA Subtest-2	23.77	23.82	23.80	24.50	23.94	23.89	23.82	24.50
3GPP Rel 6	HSOPA Subtest-3	22.96	23.26	23.30	24.00	23.43	23.39	23.30	24.00
3GPP Rel 6	HSOPA Subtest-4	23.31	23.32	23.27	24.00	23.42	23.44	23.32	24.00
3GPP Rel 8	DC-HSOPA Subtest-1	23.85	23.80	23.79	24.50	23.80	23.79	23.64	24.50
3GPP Rel 8	DC-HSOPA Subtest-2	23.77	23.87	23.86	24.50	23.82	23.77	23.70	24.50
3GPP Rel 8	DC-HSOPA Subtest-3	23.02	23.22	23.25	24.00	23.31	23.27	23.18	24.00
3GPP Rel 8	DC-HSOPA Subtest-4	23.27	23.37	23.29	24.00	23.30	23.32	23.20	24.00
3GPP Rel 6	HSUPA Subtest-1	23.46	23.45	23.37	24.50	23.88	23.88	23.76	24.50
3GPP Rel 6	HSUPA Subtest-2	21.42	21.43	21.33	22.50	21.88	21.89	21.74	22.50
3GPP Rel 6	HSUPA Subtest-3	22.44	22.47	22.34	23.50	22.80	22.87	22.74	23.50
3GPP Rel 6	HSUPA Subtest-4	21.45	21.40	21.28	22.50	21.83	21.86	21.80	22.50
3GPP Rel 6	HSUPA Subtest-5	23.40	23.50	23.40	24.50	23.90	23.90	23.50	24.50

Band 2 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												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	23.02	23.31	23.08	24.5	0				
20	QPSK	1	49	23.10	23.07	22.93						
20	QPSK	1	99	23.23	22.99	22.99	23.5	1				
20	QPSK	50	0	22.17	22.29	22.13						
20	QPSK	50	24	22.20	22.06	22.10	23.5	1				
20	QPSK	50	50	22.22	22.11	21.97						
20	QPSK	100	0	22.26	22.31	22.13	23.5	1				
20	16QAM	1	0	21.97	21.99	22.25						
20	16QAM	1	49	21.95	22.18	22.26	23.5	1				
20	16QAM	1	99	22.09	22.20	22.01						
20	16QAM	50	0	21.27	21.07	21.11	22.5	2				
20	16QAM	50	24	21.26	21.25	21.13						
20	16QAM	50	50	21.25	21.22	21.00	22.5	2				
20	16QAM	100	0	21.21	21.07	21.11						
20	64QAM	1	0	21.04	21.27	21.09	22.5	2				
20	64QAM	1	49	20.89	21.16	20.93						
20	64QAM	1	99	21.05	20.89	21.17	21.5	3				
20	64QAM	50	0	20.26	20.14	20.04						
20	64QAM	50	24	20.27	20.10	20.04	21.5	3				
20	64QAM	50	50	20.21	20.12	19.97						
20	64QAM	100	0	20.29	20.09	20.11	21.5	3				
Channel												
Frequency (MHz)				1867.5	1890	1912.5				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.16	23.28	23.18	24.5	0				
15	QPSK	1	37	23.15	23.15	23.20						
15	QPSK	1	74	23.20	23.12	23.04	23.5	1				
15	QPSK	36	0	22.22	22.22	22.15						
15	QPSK	36	20	22.24	22.19	22.13	23.5	1				
15	QPSK	36	39	22.26	22.06	22.10						
15	QPSK	75	0	22.25	22.14	22.11	23.5	1				
15	16QAM	1	0	22.42	22.34	22.22						
15	16QAM	1	37	22.30	22.44	22.17	23.5	1				
15	16QAM	1	74	22.45	22.34	22.39						
15	16QAM	36	0	21.31	21.15	21.12	22.5	2				
15	16QAM	36	20	21.16	21.14	21.13						
15	16QAM	36	39	21.16	21.16	21.18	22.5	2				
15	16QAM	75	0	21.24	21.17	21.17						
15	64QAM	1	0	21.10	21.25	21.28	22.5	2				
15	64QAM	1	37	21.29	21.08	21.17						
15	64QAM	1	74	21.12	21.22	21.29	21.5	3				
15	64QAM	36	0	20.19	20.11	20.12						
15	64QAM	36	20	20.23	20.21	20.16	21.5	3				
15	64QAM	36	39	20.18	20.12	19.95						
15	64QAM	75	0	20.18	20.18	20.05	21.5	3				
Channel												
Frequency (MHz)				1865.0	1880	1900				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.23	23.29	23.25	24.5	0				
10	QPSK	1	25	23.24	23.14	22.94						
10	QPSK	1	49	23.15	22.92	23.00	23.5	1				
10	QPSK	25	0	22.39	22.27	22.22						
10	QPSK	25	12	22.30	22.30	22.23	23.5	1				
10	QPSK	25	25	22.33	22.23	22.22						
10	QPSK	50	0	22.39	22.28	22.24	23.5	1				
10	16QAM	1	0	22.28	22.22	22.39						
10	16QAM	1	25	22.42	22.45	22.15	23.5	1				
10	16QAM	1	49	22.26	22.37	22.23						
10	16QAM	25	0	21.44	21.49	21.25	22.5	2				
10	16QAM	25	12	21.40	21.32	21.23						
10	16QAM	25	25	21.25	21.20	21.03	22.5	2				
10	16QAM	50	0	21.39	21.21	21.31						
10	64QAM	1	0	21.44	21.33	21.39	22.5	2				
10	64QAM	1	25	21.34	21.13	21.37						
10	64QAM	1	49	21.22	21.11	21.20	21.5	3				
10	64QAM	25	0	20.34	20.31	20.24						
10	64QAM	25	12	20.33	20.23	20.24	21.5	3				
10	64QAM	25	25	20.28	20.19	20.05						
10	64QAM	50	0	20.30	20.33	20.29	21.5	3				
Channel												
Frequency (MHz)				1852.5	1880	1917.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.25	23.27	22.98	24.5	0				
5	QPSK	1	12	23.07	22.92	23.02						
5	QPSK	1	24	23.17	23.00	23.03	23.5	1				
5	QPSK	12	0	22.32	22.34	22.25						
5	QPSK	12	7	22.28	22.37	22.26	23.5	1				
5	QPSK	12	13	22.34	22.22	22.16						
5	QPSK	25	0	22.33	22.29	22.15	23.5	1				
5	16QAM	1	0	22.19	22.37	22.16						
5	16QAM	1	12	22.32	22.21	22.20	23.5	1				
5	16QAM	1	24	22.31	22.23	22.14						
5	16QAM	12	0	21.28	21.29	21.33	22.5	2				
5	16QAM	12	7	21.63	21.48	21.21						
5	16QAM	12	13	21.41	21.22	21.25	22.5	2				
5	16QAM	25	0	21.47	21.23	21.22						
5	64QAM	1	0	21.36	21.27	21.53	22.5	2				
5	64QAM	1	12	21.41	21.34	21.21						
5	64QAM	1	24	21.36	21.40	21.31	21.5	3				
5	64QAM	12	0	20.43	20.42	20.35						
5	64QAM	12	7	20.26	20.31	20.23	21.5	3				
5	64QAM	12	13	20.33	20.11	20.02						
5	64QAM	25	0	20.34	20.20	20.23	21.5	3				
Channel												
Frequency (MHz)				1861.5	1890	1918.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.17	23.30	23.09	24.5	0				
3	QPSK	1	8	23.15	23.24	23.12						
3	QPSK	1	14	23.24	23.18	23.06	23.5	1				
3	QPSK	8	0	22.18	22.21	22.04						
3	QPSK	8	4	23.18	23.22	23.09	23.5	1				
3	QPSK	8	7	22.10	22.08	22.01						
3	QPSK	15	0	22.14	22.13	21.98	23.5	1				
3	16QAM	1	0	22.38	22.49	22.17						
3	16QAM	1	8	22.19	22.40	22.18	23.5	1				
3	16QAM	1	14	22.13	22.50	22.22						
3	16QAM	8	0	21.15	21.35	21.19	22.5	2				
3	16QAM	8	4	21.14	21.20	21.16						
3	16QAM	8	7	21.30	21.12	21.25	22.5	2				
3	16QAM	15	0	21.20	21.13	21.22						
3	64QAM	1	0	21.31	21.39	21.27	22.5	2				
3	64QAM	1	8	21.36	21.17	21.26						
3	64QAM	1	14	21.25	21.38	21.09	21.5	3				
3	64QAM	8	0	20.30	20.20	20.11						
3	64QAM	8	4	20.03	20.13	20.05	21.5	3				
3	64QAM	8	7	20.31	20.16	20.29						
3	64QAM	15	0	20.16	20.21	19.95	21.5	3				
Channel												
Frequency (MHz)				1857	1880	1909.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.06	23.29	22.89	24.5	0				
1.4	QPSK	1	3	23.09	23.06	22.98						
1.4	QPSK	1	5	22.95	23.07	22.85	23.5	1				
1.4	QPSK	3	0	23.09	23.19	23.02						
1.4	QPSK	3	1	23.15	23.20	23.30	23.5	1				
1.4	QPSK	3	3	23.16	22.97	22.91						
1.4	16QAM	1	0	22.41	22.35	22.27	23.5	1				
1.4	16QAM	1	3	22.28	22.32	22.23						
1.4	16QAM	3	0	22.21	22.25	22.24	23.5	1				
1.4	16QAM	3	0	22.32	22.25	21.98						
1.4	16QAM	3	1	22.21	21.95	22.08	22.5	2				
1.4	16QAM	3	3	22.18	21.23	22.05						
1.4	64QAM	1	0	21.35	21.29	21.15	22.5	2				
1.4	64QAM	1	3	21.23	21.40	21.27						
1.4	64QAM	1	5	21.19	21.25	21.32	22.5	2				
1.4	64QAM	3	0	21.33	21.38	21.20						
1.4	64QAM	3	1	21.25	21.21	21.21	21.5	3				
1.4	64QAM	3	3	21.30	21.21	21.10						

Band 7 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.18	24.39	24.34	25.5	0	
20	QPSK	1	49	24.27	24.30	24.17			
20	QPSK	1	99	24.26	24.32	24.35			
20	QPSK	50	0	23.19	23.56	23.27	24.5	1	
20	QPSK	50	24	23.49	23.45	23.44			
20	QPSK	50	50	23.52	23.48	23.44			
20	QPSK	100	0	23.35	23.45	23.33	24.5	1	
20	16QAM	1	0	23.22	23.39	23.41			
20	16QAM	1	49	23.28	23.33	23.20			
20	16QAM	1	99	23.34	23.33	23.18	23.5	2	
20	16QAM	50	0	22.41	22.26	22.25			
20	16QAM	50	24	22.46	22.38	22.37			
20	16QAM	50	50	22.43	22.49	22.48	23.5	2	
20	16QAM	100	0	22.39	22.36	22.41			
20	64QAM	1	0	22.24	22.37	22.34			
20	64QAM	1	49	22.55	22.42	22.40	23.5	2	
20	64QAM	1	99	22.27	22.27	22.31			
20	64QAM	50	0	21.34	21.29	21.31			
20	64QAM	50	24	21.49	21.36	21.40	22.5	3	
20	64QAM	50	50	21.51	21.47	21.41			
20	64QAM	100	0	21.40	21.39	21.36			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.11	24.21	24.05	25.5	0	
15	QPSK	1	37	23.99	24.27	24.22			
15	QPSK	1	74	24.25	24.33	24.22			
15	QPSK	36	0	23.21	23.31	23.30	24.5	1	
15	QPSK	36	20	23.35	23.34	23.22			
15	QPSK	36	39	23.40	23.29	23.34			
15	QPSK	75	0	23.34	23.36	23.34	24.5	1	
15	16QAM	1	0	23.20	23.24	23.38			
15	16QAM	1	37	23.19	23.28	23.08			
15	16QAM	1	74	23.50	23.23	23.01	23.5	2	
15	16QAM	36	0	22.29	22.23	22.29			
15	16QAM	36	20	22.40	22.36	22.33			
15	16QAM	36	39	22.30	22.36	22.35	23.5	2	
15	16QAM	75	0	22.28	22.30	22.38			
15	64QAM	1	0	22.16	22.26	22.13			
15	64QAM	1	37	22.39	22.24	22.19	23.5	2	
15	64QAM	1	74	22.31	22.05	22.09			
15	64QAM	36	0	21.24	21.26	21.28			
15	64QAM	36	20	21.32	21.39	21.26	22.5	3	
15	64QAM	36	39	21.40	21.31	21.33			
15	64QAM	75	0	21.39	21.35	21.27			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.29	24.10	24.11	25.5	0	
10	QPSK	1	25	24.05	24.25	24.36			
10	QPSK	1	49	24.11	24.25	24.26			
10	QPSK	25	0	23.28	23.09	23.19	24.5	1	
10	QPSK	25	12	23.05	23.18	23.08			
10	QPSK	25	25	23.04	23.16	23.09			
10	QPSK	50	0	23.23	23.06	23.00	24.5	1	
10	16QAM	1	0	23.05	23.17	23.02			
10	16QAM	1	25	23.19	23.02	23.08			
10	16QAM	1	49	23.16	23.17	23.05	23.5	2	
10	16QAM	25	0	22.05	22.18	22.08			
10	16QAM	25	12	22.23	22.20	22.25			
10	16QAM	25	25	22.31	22.13	22.34	23.5	2	
10	16QAM	50	0	22.36	22.31	22.42			
10	64QAM	1	0	22.11	22.18	22.24			
10	64QAM	1	25	22.17	22.30	22.10	23.5	2	
10	64QAM	1	49	22.14	22.29	22.06			
10	64QAM	25	0	21.05	21.08	21.19			
10	64QAM	25	12	21.36	21.02	21.18	22.5	3	
10	64QAM	25	25	21.23	21.06	21.16			
10	64QAM	50	0	21.08	21.38	21.08			
Channel				3	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.32	24.27	24.25	25.5	0	
5	QPSK	1	12	24.13	24.37	24.23			
5	QPSK	1	24	24.35	24.32	24.36			
5	QPSK	12	0	23.28	23.31	23.24	24.5	1	
5	QPSK	12	7	23.32	23.31	23.23			
5	QPSK	12	13	23.45	23.41	23.45			
5	QPSK	25	0	23.33	23.34	23.38	24.5	1	
5	16QAM	1	0	23.20	23.37	23.25			
5	16QAM	1	12	23.15	23.28	23.23			
5	16QAM	1	24	23.26	23.05	23.17	23.5	2	
5	16QAM	12	0	22.29	22.29	22.13			
5	16QAM	12	7	22.33	22.31	22.45			
5	16QAM	12	13	22.40	22.44	22.46	23.5	2	
5	16QAM	25	0	22.44	22.38	22.37			
5	64QAM	1	0	22.00	22.18	22.06			
5	64QAM	1	12	22.29	22.24	22.12	23.5	2	
5	64QAM	1	24	22.46	22.15	22.05			
5	64QAM	12	0	21.18	21.26	21.25			
5	64QAM	12	7	21.31	21.45	21.26	22.5	3	
5	64QAM	12	13	21.40	21.46	21.40			
5	64QAM	25	0	21.39	21.31	21.33			

Band 12 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				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.89	23.68	24.5	1	
10	QPSK	25	12	23.74	23.71	23.80			
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.86	23.80	23.5	2	
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61			
10	16QAM	1	49	23.77	23.73	23.72	24.5	1	
10	16QAM	25	0	22.82	22.73	22.72			
10	16QAM	25	12	22.89	22.69	22.71			
10	16QAM	25	25	22.90	22.85	22.92	23.5	2	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.61	22.57	22.77	23.5	2	
10	64QAM	1	49	22.84	22.70	22.92			
10	64QAM	25	0	21.85	21.66	21.75			
10	64QAM	25	12	21.87	21.75	21.88	22.5	3	
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.80	23.61	23.64	24.5	1	
5	QPSK	12	7	23.71	23.71	23.71			
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59	24.5	1	
5	16QAM	1	0	23.62	23.70	23.52			
5	16QAM	1	12	23.48	23.75	23.71			
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.62			
5	16QAM	12	7	22.86	22.66	22.86			
5	16QAM	12	13	22.81	22.64	22.85	23.5	2	
5	16QAM	25	0	22.73	22.77	22.66			
5	64QAM	1	0	22.73	22.64	22.95			
5	64QAM	1	12	22.76	22.94	22.88	23.5	2	
5	64QAM	1	24	22.70	22.76	22.75			
5	64QAM	12	0	21.79	21.71	21.64			
5	64QAM	12	7	21.81	21.67	21.74	22.5	3	
5	64QAM	12	13	21.59	21.61	21.82			
5	64QAM	25	0	21.60	21.64	21.73			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.57	24.66	24.46	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76	24.5	1	
3	QPSK	8	4	23.76	23.81	23.75			
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.77	23.71	24.5	1	
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66			
3	16QAM	1	14	23.76	23.64	23.68	23.5	2	
3	16QAM	8	0	22.93	22.86	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	8	7	22.79	22.72	22.71	23.5	2	
3	16QAM	15	0	22.79	22.98	22.73			
3	64QAM	1	0	22.85	22.82	22.92			
3	64QAM	1	8	23.07	23.13	22.83	22.5	3	
3	64QAM	1	14	23.00	23.12	22.90			
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76	22.5	3	
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71			
Channel				23017	23095	23173			
Frequency (MHz)				697.5	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.51			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	0	24.47	24.58	24.52	24.5	1	
1.4	QPSK	3	1	24.52	24.51	24.42			
1.4	QPSK	3	3	24.46	24.36	24.41			
1.4	QPSK	6	0	23.49	23.57	23.54	24.5	1	
1.4	16QAM	1	0	23.65	23.62	23.81			
1.4	16QAM	1	3	23.54	23.71	23.64			
1.4	16QAM	1	5	23.56	23.84	23.68	23.5	1	
1.4	16QAM	3	0	23.52	23.64	23.50			
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.50	23.43	23.40	23.5	2	
1.4	16QAM	6	0	22.48	22.51	22.42			
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.85	23.5	2	
1.4	64QAM	1	5	22.83	22.73	22.64			
1.4	64QAM	3	0	22.68	22.73	22.53			
1.4	64QAM	3	1	22.86	22.56	22.71	22.5	3	
1.4	64QAM	3	3	22.52	22.70	22.64			
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 17 Ant0 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.50	24.68	24.42	25.5	0	
10	QPSK	1	25	24.45	24.57	24.65			
10	QPSK	1	49	24.33	24.40	24.62			
10	QPSK	25	0	23.59	23.92	23.88	24.5	1	
10	QPSK	25	12	23.77	23.69	23.70			
10	QPSK	25	25	23.67	23.63	23.70			
10	QPSK	50	0	23.79	23.90	23.58	24.5	1	
10	16QAM	1	0	23.85	23.77	23.81			
10	16QAM	1	25	23.82	23.86	23.84			
10	16QAM	1	49	23.72	23.84	23.63	23.5	2	
10	16QAM	25	0	22.68	22.59	22.77			
10	16QAM	25	12	22.79	22.68	22.77			
10	16QAM	25	25	22.78	22.69	22.72	23.5	2	
10	16QAM	50	0	22.70	22.65	22.74			
10	64QAM	1	0	22.85	22.76	22.80			
10	64QAM	1	25	22.81	23.14	22.90	23.5	2	
10	64QAM	1	49	22.93	22.75	22.87			
10	64QAM	25	0	21.59	21.64	21.66			
10	64QAM	25	12	21.66	21.72	21.72	22.5	3	
10	64QAM	25	25	21.78	21.79	21.74			
10	64QAM	50	0	21.72	21.68	21.61			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.67	24.67	24.56	25.5	0	
5	QPSK	1	12	24.39	24.59	24.58			
5	QPSK	1	24	24.62	24.36	24.66			
5	QPSK	12	0	23.62	23.77	23.70	24.5	1	
5	QPSK	12	7	23.66	23.64	23.67			
5	QPSK	12	13	23.73	23.70	23.74			
5	QPSK	25	0	23.64	23.70	23.80	24.5	1	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.87	23.75	24.14			
5	16QAM	1	24	23.84	24.16	23.98	23.5	2	
5	16QAM	12	0	22.80	22.77	22.67			
5	16QAM	12	7	22.85	22.57	22.83			
5	16QAM	12	13	22.70	22.72	22.78	23.5	2	
5	16QAM	25	0	22.70	22.57	22.77			
5	64QAM	1	0	22.80	22.63	22.71			
5	64QAM	1	12	22.69	22.76	22.73	23.5	2	
5	64QAM	1	24	22.70	22.55	22.64			
5	64QAM	12	0	21.80	21.75	21.82			
5	64QAM	12	7	21.62	21.72	21.89	22.5	3	
5	64QAM	12	13	21.66	21.54	21.63			
5	64QAM	25	0	21.57	21.61	21.66			

Band 26 Ant0 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	0	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.18			
15	QPSK	36	0	23.44	23.50	23.37			
15	QPSK	36	20	23.42	23.46	23.44	24.5	1	
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31			
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.76	23.66	23.58	24.5	1	
15	16QAM	1	74	23.75	23.66	23.48			
15	16QAM	36	0	22.45	22.43	22.39			
15	16QAM	36	20	22.50	22.48	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.55	22.50			
15	64QAM	1	37	22.65	22.60	22.50			
15	64QAM	1	74	22.56	22.54	22.37	23.5	2	
15	64QAM	36	0	21.48	21.44	21.37			
15	64QAM	36	20	21.51	21.47	21.40			
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	0	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31			
10	QPSK	25	12	23.45	23.36	23.32	24.5	1	
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30			
10	16QAM	1	0	23.60	23.68	23.61			
10	16QAM	1	25	23.62	23.63	23.53	24.5	1	
10	16QAM	1	49	23.63	23.61	23.49			
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.36			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.29			
10	64QAM	1	0	22.57	22.60	22.48			
10	64QAM	1	25	22.56	22.46	22.38			
10	64QAM	1	49	22.50	22.50	22.39	23.5	2	
10	64QAM	25	0	21.49	21.39	21.31			
10	64QAM	25	12	21.47	21.35	21.29			
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31	22.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	0	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29			
5	QPSK	12	7	23.48	23.42	23.28	24.5	1	
5	QPSK	12	13	23.43	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.28			
5	16QAM	1	0	23.80	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54	24.5	1	
5	16QAM	1	24	23.66	23.58	23.50			
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45			
5	64QAM	1	12	22.56	22.42	22.39			
5	64QAM	1	24	22.54	22.48	22.38	23.5	2	
5	64QAM	12	0	21.53	21.36	21.33			
5	64QAM	12	7	21.48	21.43	21.29			
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27	22.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	0	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27			
3	QPSK	8	4	23.42	23.45	23.31	24.5	1	
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26			
3	16QAM	1	0	23.53	23.60	23.52			
3	16QAM	1	8	23.61	23.67	23.54	24.5	1	
3	16QAM	1	14	23.70	23.61	23.55			
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.35			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	16QAM	1	0	22.56	22.48	22.36			
3	64QAM	1	0	22.62	22.55	22.44			
3	64QAM	1	14	22.55	22.57	22.41	23.5	2	
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31			
3	64QAM	8	7	21.50	21.44	21.08			
3	64QAM	15	0	21.48	21.38	21.25	22.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.30	24.04	25.5	0	
1.4	QPSK	1	3	24.33	24.26	24.14			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07			
1.4	QPSK	3	1	24.31	24.29	24.15	24.5	1	
1.4	QPSK	3	3	24.30	24.24	24.10			
1.4	QPSK	6	0	23.37	23.34	23.19			
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48	24.5	1	
1.4	16QAM	1	5	23.59	23.56	23.40			
1.4	16QAM	3	0	23.35	23.33	23.18			
1.4	16QAM	3	1	23.40	23.38	23.26			
1.4	16QAM	3	3	23.50	23.29	23.14	23.5	2	
1.4	16QAM	6	0	22.50	22.41	22.25			
1.4	64QAM	1	0	22.47	22.40	22.32			
1.4	64QAM	1	3	22.56	22.45	22.38			
1.4	64QAM	1	5	22.49	22.39	22.24	23.5	2	
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26			
1.4	64QAM	3	3	22.41	22.31	22.21			
1.4	64QAM	6	0	21.40	21.37	21.19	22.5	3	

Band 38 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				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.52	24.64	24.51	24.5	1	
20	QPSK	1	49	24.53	24.60	24.56			
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65	24.5	1	
20	QPSK	50	24	23.70	23.66	23.65			
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65	24.5	1	
20	16QAM	1	0	23.61	23.66	23.66			
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68	23.5	2	
20	16QAM	50	0	22.62	22.70	22.61			
20	16QAM	50	24	22.71	22.72	22.82			
20	16QAM	50	50	22.72	22.73	22.73	23.5	2	
20	16QAM	100	0	22.70	22.60	22.72			
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55	22.5	3	
20	64QAM	1	99	22.56	22.58	22.54			
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75	22.5	3	
20	64QAM	50	50	21.54	21.67	21.67			
20	64QAM	100	0	21.63	21.75	21.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2592.5	25.5	0	
15	QPSK	1	0	24.58	24.55	24.54			
15	QPSK	1	37	24.51	24.62	24.47			
15	QPSK	1	74	24.57	24.60	24.54	24.5	1	
15	QPSK	36	0	23.59	23.66	23.70			
15	QPSK	36	20	23.71	23.66	23.64			
15	QPSK	36	39	23.58	23.68	23.64	24.5	1	
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.76			
15	16QAM	1	37	23.64	23.77	23.80	24.5	1	
15	16QAM	1	74	23.70	23.74	23.68			
15	16QAM	36	0	22.60	22.59	22.62	23.5	2	
15	16QAM	36	20	22.61	22.66	22.66			
15	16QAM	36	39	22.69	22.69	22.64	23.5	2	
15	16QAM	75	0	22.69	22.64	22.66			
15	64QAM	1	0	22.70	22.62	22.55	22.5	3	
15	64QAM	1	37	22.60	22.65	22.48			
15	64QAM	1	74	22.57	22.64	22.53			
15	64QAM	36	0	21.54	21.62	21.65	22.5	3	
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69			
15	64QAM	75	0	21.68	21.65	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.56	24.57	24.42			
10	QPSK	1	25	24.40	24.46	24.44			
10	QPSK	1	49	24.50	24.60	24.49	24.5	1	
10	QPSK	25	0	23.63	23.65	23.58			
10	QPSK	25	12	23.64	23.50	23.56			
10	QPSK	25	25	23.47	23.56	23.52	24.5	1	
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69			
10	16QAM	1	25	23.56	23.53	23.60	24.5	1	
10	16QAM	1	49	23.54	23.64	23.62			
10	16QAM	25	0	22.59	22.62	22.57			
10	16QAM	25	12	22.63	22.68	22.64	23.5	2	
10	16QAM	25	25	22.65	22.72	22.70			
10	16QAM	50	0	22.68	22.62	22.58			
10	64QAM	1	0	22.44	22.51	22.55	23.5	2	
10	64QAM	1	25	22.25	22.49	22.37			
10	64QAM	1	49	22.43	22.51	22.39			
10	64QAM	25	0	21.57	21.57	21.50	22.5	3	
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56			
10	64QAM	50	0	21.52	21.48	21.52	22.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.40	24.58	24.52	25.5	0	
5	QPSK	1	12	24.48	24.61	24.52			
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69	24.5	1	
5	QPSK	12	7	23.64	23.62	23.64			
5	QPSK	12	13	23.64	23.65	23.62			
5	QPSK	25	0	23.63	23.61	23.65	24.5	1	
5	16QAM	1	0	23.54	23.49	23.66			
5	16QAM	1	12	23.86	23.67	23.52			
5	16QAM	1	24	23.63	23.68	23.56	23.5	2	
5	16QAM	12	0	22.68	22.55	22.50			
5	16QAM	12	7	22.56	22.54	22.55			
5	16QAM	12	13	22.55	22.75	22.62	22.5	3	
5	16QAM	25	0	22.63	22.71	22.72			
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73	23.5	2	
5	64QAM	1	24	22.78	22.61	22.67			
5	64QAM	12	0	21.59	21.65	21.70			
5	64QAM	12	7	21.67	21.65	21.76	22.5	3	
5	64QAM	12	13	21.57	21.74	21.62			
5	64QAM	25	0	21.56	21.47	21.66			

Band 41 Ant0 DSI1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	25.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59				
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60	24.5	1		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57				
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72				
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69	24.5	1		
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72				
20	QPSK	100	0	23.71	23.80	23.83	23.69	23.56				
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85	24.5	1		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61				
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65				
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70	23.5	2		
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78				
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72				
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56	23.5	2		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71				
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54				
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51	22.5	3		
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54				
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62				
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67	22.5	3		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70				
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2692.5	25.50	0		
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43				
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39				
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43	24.5	1		
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58				
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54				
15	QPSK	36	39	23.58	23.70	23.70	23.61	23.46	24.5	1		
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52				
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56				
15	16QAM	1	37	23.58	23.59	23.60	23.54	23.56	24.5	1		
15	16QAM	1	74	23.54	23.64	23.68	23.65	23.51				
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44				
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68	23.5	2		
15	16QAM	36	39	22.61	22.62	22.63	22.61	22.49				
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59				
15	64QAM	1	0	22.51	22.66	22.58	22.49	22.64	23.5	2		
15	64QAM	1	37	22.45	22.59	22.50	22.42	22.42				
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44				
15	64QAM	36	0	21.57	21.59	21.63	21.60	21.54	22.5	3		
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61				
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52				
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49	25.50	0		
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685			24.5	1
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53				
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57				
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54	24.5	1		
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38				
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57				
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52	24.5	1		
10	QPSK	50	0	23.56	23.64	23.69	23.61	23.45				
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63				
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40	24.5	1		
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42				
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38				
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.55	23.5	2		
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62				
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55				
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.36	23.5	2		
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36				
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38				
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52	22.5	3		
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54				
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56				
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.40	25.50	0		
Channel				39715	40163	40620	41103	41555			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2697.5			25.50	0
5	QPSK	1	0	24.32	24.32	24.62	24.58	24.53				
5	QPSK	1	12	24.52	24.41	24.58	24.53	24.63				
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66	24.5	1		
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73				
5	QPSK	12	7	23.76	23.83	23.88	23.81	23.68				
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64	24.5	1		
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75				
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65				
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71	24.5	1		
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62				
5	16QAM	12	0	22.63	22.58	22.73	22.66	22.73				
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.77	23.5	2		
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69				
5	16QAM	25	0	22.79	22.84	22.88	22.80	22.68				
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82	23.5	2		
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.68				
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65				
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65	22.5	3		
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82				
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67				
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71				

GSM850 An4 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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.36	23.16	23.59	24.24
GPRS 4 Tx slots	26.46	26.54	26.45	27.50	23.49	23.54	23.45	24.50
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

GSM1900 An4 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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	24.76	24.65	24.78	26.50	15.76	15.65	15.78	17.50
GPRS 1 Tx slot	24.83	24.69	24.88	26.50	15.83	15.69	15.88	17.50
GPRS 2 Tx slots	24.53	24.43	24.35	26.00	16.53	16.43	16.35	20.00
GPRS 3 Tx slots	24.31	24.38	24.04	25.50	20.05	20.12	19.78	21.24
GPRS 4 Tx slots	22.87	23.10	22.81	24.50	19.87	20.10	19.81	21.50
EDGE 1 Tx slot	24.65	24.83	24.77	26.50	15.65	15.83	15.77	17.50
EDGE 2 Tx slots	22.13	22.28	22.03	24.00	16.13	16.28	16.03	18.00
EDGE 3 Tx slots	20.12	20.23	20.11	21.50	15.86	15.97	15.85	17.24
EDGE 4 Tx slots	19.47	19.75	19.52	20.50	16.47	16.75	16.52	17.50

WCDMA II An4 DSI1

WCDMA IV An4 DSI1

WCDMA V An4 DSI1

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1552.4	1580	1507.6	(dBm)	1742.4	1752.6	1752.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps	19.32	19.43	19.14	20.50	20.66	20.82	20.84	21.50	23.21	23.18	23.00	24.50
3GPP Rel 99 RMC 12.2Kbps	19.51	19.57	19.42	20.50	20.71	20.90	20.88	21.50	23.19	23.27	23.16	24.50
3GPP Rel 6 HSDPA Subtest-1	18.33	18.46	18.27	19.50	19.91	19.92	20.01	20.50	22.04	22.24	22.11	23.50
3GPP Rel 6 HSDPA Subtest-2	18.37	18.48	18.26	19.50	19.78	19.86	19.83	20.50	22.22	22.24	22.23	23.50
3GPP Rel 6 HSDPA Subtest-3	17.73	17.94	17.61	19.00	19.33	19.45	19.53	20.00	21.51	21.74	21.65	23.00
3GPP Rel 6 HSDPA Subtest-4	17.75	17.90	17.76	19.00	19.30	19.43	19.49	20.00	21.70	21.65	21.77	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	18.43	18.39	18.22	19.50	19.73	19.79	20.02	20.50	22.05	22.08	22.30	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.26	18.42	18.26	19.50	19.69	19.84	19.74	20.50	22.31	22.19	22.10	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.73	17.84	17.54	19.00	19.13	19.35	19.42	20.00	21.48	21.76	21.62	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	17.97	18.02	17.67	19.00	19.08	19.21	19.47	20.00	21.74	21.65	21.61	23.00
3GPP Rel 6 HSUPA Subtest-1	18.33	18.30	18.24	19.50	19.78	19.90	20.00	20.50	22.16	22.23	22.07	23.50
3GPP Rel 6 HSUPA Subtest-2	16.14	16.35	16.20	17.50	17.80	17.91	17.97	18.50	20.10	20.04	19.96	21.50
3GPP Rel 6 HSUPA Subtest-3	17.35	17.29	17.15	18.50	18.78	18.88	18.98	19.50	21.08	21.17	21.08	22.50
3GPP Rel 6 HSUPA Subtest-4	16.37	16.37	16.17	17.50	17.78	17.87	17.99	18.50	20.13	20.06	20.23	21.50
3GPP Rel 6 HSUPA Subtest-5	18.27	18.22	18.10	19.50	19.70	19.90	20.00	20.50	22.06	22.09	22.17	23.50

Band 2 Ant4 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				18700	18800	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	18.58	18.68	18.47	19.5	0		
20	QPSK	1	49	18.51	18.43	18.43				
20	QPSK	1	99	18.41	18.37	18.34				
20	QPSK	50	0	18.52	18.62	18.53	19.5	0		
20	QPSK	50	24	18.57	18.53	18.52				
20	QPSK	50	50	18.54	18.49	18.38				
20	QPSK	100	0	18.63	18.65	18.52	19.5	0		
20	16QAM	1	0	18.59	18.58	18.62				
20	16QAM	1	49	18.60	18.64	18.57				
20	16QAM	1	99	18.57	18.07	18.58	19.5	0		
20	16QAM	50	0	18.61	18.62	18.53				
20	16QAM	50	24	18.62	18.56	18.55				
20	16QAM	50	50	18.60	18.49	18.43	19.5	0		
20	16QAM	100	0	18.64	18.54	18.55				
20	64QAM	1	0	18.56	18.63	18.53				
20	64QAM	1	49	18.59	18.62	18.55	19.5	0		
20	64QAM	1	99	18.64	18.50	18.54				
20	64QAM	50	0	18.57	18.62	18.50				
20	64QAM	50	24	18.67	18.53	18.43	19.5	0		
20	64QAM	50	50	18.56	18.50	18.44				
20	64QAM	100	0	18.64	18.53	18.51				
Channel										
Frequency (MHz)				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	18.39	18.56	18.26	19.5	0		
15	QPSK	1	37	18.43	18.42	18.44				
15	QPSK	1	74	18.39	18.29	18.29				
15	QPSK	36	0	18.33	18.53	18.35	19.5	0		
15	QPSK	36	20	18.49	18.46	18.45				
15	QPSK	36	39	18.50	18.49	18.30				
15	QPSK	75	0	18.41	18.64	18.34	19.5	0		
15	16QAM	1	0	18.52	18.38	18.62				
15	16QAM	1	37	18.39	18.46	18.44				
15	16QAM	1	74	18.50	18.55	18.46	19.5	0		
15	16QAM	36	0	18.62	18.62	18.39				
15	16QAM	36	20	18.63	18.47	18.53				
15	16QAM	36	39	18.38	18.43	18.35	19.5	0		
15	16QAM	75	0	18.60	18.43	18.36				
15	64QAM	1	0	18.55	18.44	18.46				
15	64QAM	1	37	18.43	18.55	18.36	19.5	0		
15	64QAM	1	74	18.63	18.51	18.33				
15	64QAM	36	0	18.37	18.43	18.34				
15	64QAM	36	20	18.65	18.41	18.25	19.5	0		
15	64QAM	36	39	18.47	18.31	18.46				
15	64QAM	75	0	18.58	18.31	18.37				
Channel										
Frequency (MHz)				1865	18900	19150	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	18.39	18.50	18.42	19.5	0		
10	QPSK	1	25	18.51	18.44	18.22				
10	QPSK	1	49	18.24	18.31	18.18				
10	QPSK	25	0	18.52	18.59	18.50	19.5	0		
10	QPSK	25	12	18.49	18.51	18.35				
10	QPSK	25	25	18.32	18.38	18.36				
10	QPSK	50	0	18.60	18.60	18.43	19.5	0		
10	16QAM	1	0	18.54	18.38	18.56				
10	16QAM	1	25	18.56	18.53	18.42				
10	16QAM	1	49	18.52	18.66	18.55	19.5	0		
10	16QAM	25	0	18.57	18.44	18.34				
10	16QAM	25	12	18.56	18.48	18.57				
10	16QAM	25	25	18.56	18.34	18.26	19.5	0		
10	16QAM	50	0	18.66	18.45	18.50				
10	64QAM	1	0	18.56	18.59	18.50				
10	64QAM	1	25	18.57	18.63	18.47	19.5	0		
10	64QAM	1	49	18.63	18.41	18.54				
10	64QAM	25	0	18.53	18.60	18.43				
10	64QAM	25	12	18.55	18.35	18.43	19.5	0		
10	64QAM	25	25	18.40	18.30	18.26				
10	64QAM	50	0	18.57	18.51	18.41				
Channel										
Frequency (MHz)				1862.5	18900	19175	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.36	18.61	18.46	19.5	0		
5	QPSK	1	12	18.45	18.31	18.33				
5	QPSK	1	24	18.29	18.23	18.28				
5	QPSK	12	0	18.35	18.49	18.37	19.5	0		
5	QPSK	12	7	18.54	18.49	18.30				
5	QPSK	12	13	18.44	18.44	18.21				
5	QPSK	25	0	18.59	18.61	18.40	19.5	0		
5	16QAM	1	0	18.39	18.43	18.51				
5	16QAM	1	12	18.40	18.59	18.51				
5	16QAM	1	24	18.38	18.51	18.52	19.5	0		
5	16QAM	12	0	18.58	18.47	18.45				
5	16QAM	12	7	18.54	18.55	18.53				
5	16QAM	12	13	18.54	18.26	18.36	19.5	0		
5	16QAM	25	0	18.61	18.38	18.41				
5	64QAM	1	0	18.47	18.60	18.49				
5	64QAM	1	12	18.42	18.56	18.48	19.5	0		
5	64QAM	1	24	18.58	18.31	18.52				
5	64QAM	12	0	18.37	18.52	18.39				
5	64QAM	12	7	18.52	18.49	18.33	19.5	0		
5	64QAM	12	13	18.51	18.34	18.32				
5	64QAM	25	0	18.65	18.42	18.36				
Channel										
Frequency (MHz)				1861.5	18900	19185	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	18.48	18.54	18.31	19.5	0		
3	QPSK	1	8	18.52	18.32	18.38				
3	QPSK	1	14	18.36	18.36	18.19				
3	QPSK	8	0	18.39	18.42	18.54	19.5	0		
3	QPSK	8	4	18.54	18.35	18.35				
3	QPSK	8	7	18.54	18.44	18.40				
3	QPSK	15	0	18.63	18.53	18.44	19.5	0		
3	16QAM	1	0	18.51	18.46	18.56				
3	16QAM	1	8	18.60	18.61	18.49				
3	16QAM	1	14	18.41	18.51	18.39	19.5	0		
3	16QAM	8	0	18.63	18.46	18.54				
3	16QAM	8	4	18.60	18.38	18.47				
3	16QAM	8	7	18.50	18.49	18.44	19.5	0		
3	16QAM	15	0	18.61	18.38	18.51				
3	64QAM	1	0	18.54	18.62	18.44				
3	64QAM	1	8	18.39	18.60	18.38	19.5	0		
3	64QAM	1	14	18.52	18.50	18.39				
3	64QAM	8	0	18.41	18.41	18.47				
3	64QAM	8	4	18.61	18.33	18.34	19.5	0		
3	64QAM	8	7	18.39	18.37	18.23				
3	64QAM	15	0	18.45	18.40	18.43				
Channel										
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	18.37	18.59	18.31	19.5	0		
1.4	QPSK	1	3	18.52	18.35	18.36				
1.4	QPSK	1	5	18.41	18.37	18.31				
1.4	QPSK	3	0	18.40	18.49	18.39	19.5	0		
1.4	QPSK	3	1	18.40	18.46	18.53				
1.4	QPSK	3	3	18.33	18.32	18.34				
1.4	QPSK	6	0	18.65	18.55	18.52	19.5	0		
1.4	16QAM	1	0	18.43	18.43	18.39				
1.4	16QAM	1	3	18.55	18.62	18.39				
1.4	16QAM	1	5	18.54	18.61	18.47	19.5	0		
1.4	16QAM	3	0	18.59	18.60	18.44				
1.4	16QAM	3	1	18.51	18.40	18.40				
1.4	16QAM	3	3	18.40	18.42	18.25	19.5	0		
1.4	16QAM	6	0	18.62	18.53	18.33				
1.4	64QAM	1	0	18.51	18.44	18.32				
1.4	64QAM	1	3	18.41	18.56	18.38	19.5	0		
1.4	64QAM	1	5	18.44	18.46	18.40				
1.4	64QAM	3	0	18.44	18.46	18.38				
1.4	64QAM	3	1	18.55	18.44	18.44	19.5	0		
1.4	64QAM	3	3	18.48	18.43	18.42				
1.4	64QAM	6	0	18.55	18.53	18.31				

Band 7 Ant4 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.23	18.30	18.05	19	0	
20	QPSK	1	49	17.99	18.01	18.07			
20	QPSK	1	99	18.05	18.13	18.13			
20	QPSK	50	0	18.09	18.22	18.15	19	0	
20	QPSK	50	24	18.14	18.16	18.21			
20	QPSK	50	50	18.21	18.12	18.13			
20	QPSK	100	0	18.13	18.20	18.17	19	0	
20	16QAM	1	0	18.25	18.26	18.12			
20	16QAM	1	49	18.03	18.10	18.16			
20	16QAM	1	99	18.06	18.23	18.21	19	0	
20	16QAM	50	0	18.11	18.12	18.15			
20	16QAM	50	24	18.21	18.16	18.23			
20	16QAM	50	50	18.21	18.26	18.26	19	0	
20	16QAM	100	0	18.20	18.14	18.16			
20	64QAM	1	0	18.20	18.01	18.11			
20	64QAM	1	49	18.20	18.28	18.16	19	0	
20	64QAM	1	99	18.25	18.13	18.23			
20	64QAM	50	0	18.06	17.98	18.14			
20	64QAM	50	24	18.19	18.16	18.22	19	0	
20	64QAM	50	50	18.21	18.23	18.27			
20	64QAM	100	0	18.21	18.15	18.22			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.11	18.21	17.83	19	0	
15	QPSK	1	37	17.82	17.98	17.88			
15	QPSK	1	74	17.86	18.14	17.95			
15	QPSK	36	0	18.03	18.18	18.01	19	0	
15	QPSK	36	20	18.09	18.15	18.18			
15	QPSK	36	39	18.01	17.99	18.07			
15	QPSK	75	0	18.14	18.15	18.09	19	0	
15	16QAM	1	0	18.11	18.21	17.93			
15	16QAM	1	37	17.94	18.07	17.99			
15	16QAM	1	74	17.89	18.21	18.16	19	0	
15	16QAM	36	0	17.92	18.05	18.03			
15	16QAM	36	20	18.21	18.09	18.01			
15	16QAM	36	39	18.14	18.28	18.27	19	0	
15	16QAM	75	0	18.19	18.04	18.04			
15	64QAM	1	0	18.17	17.88	17.95			
15	64QAM	1	37	18.19	18.14	18.03	19	0	
15	64QAM	1	74	18.22	18.08	18.05			
15	64QAM	36	0	17.97	17.83	18.00			
15	64QAM	36	20	18.20	18.01	18.15	19	0	
15	64QAM	36	39	18.08	18.09	18.11			
15	64QAM	75	0	18.05	18.16	18.24			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.11	18.16	18.03	19	0	
10	QPSK	1	25	17.90	17.99	18.06			
10	QPSK	1	49	17.93	18.09	18.11			
10	QPSK	25	0	17.90	18.22	17.98	19	0	
10	QPSK	25	12	18.06	18.11	18.08			
10	QPSK	25	25	18.18	18.11	17.92			
10	QPSK	50	0	17.96	18.10	18.12	19	0	
10	16QAM	1	0	18.26	18.05	18.02			
10	16QAM	1	25	17.97	18.05	18.04			
10	16QAM	1	49	18.04	18.07	18.06	19	0	
10	16QAM	25	0	17.93	18.01	17.96			
10	16QAM	25	12	17.99	18.13	18.04			
10	16QAM	25	25	18.12	18.22	18.19	19	0	
10	16QAM	50	0	18.05	18.14	18.01			
10	64QAM	1	0	18.05	17.84	18.09			
10	64QAM	1	25	18.07	18.08	18.03	19	0	
10	64QAM	1	49	18.18	18.01	18.21			
10	64QAM	25	0	18.08	18.00	18.14			
10	64QAM	25	12	17.99	17.99	18.09	19	0	
10	64QAM	25	25	18.09	18.12	18.19			
10	64QAM	50	0	18.02	18.07	18.04			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.22	18.10	18.02	19	0	
5	QPSK	1	12	17.83	17.96	17.86			
5	QPSK	1	24	18.00	17.93	18.06			
5	QPSK	12	0	17.94	18.07	18.07	19	0	
5	QPSK	12	7	18.05	18.15	18.23			
5	QPSK	12	13	17.99	18.01	18.06			
5	QPSK	25	0	18.09	18.19	18.14	19	0	
5	16QAM	1	0	18.19	18.16	17.93			
5	16QAM	1	12	18.02	18.10	18.04			
5	16QAM	1	24	17.88	18.15	18.06	19	0	
5	16QAM	12	0	18.05	17.92	18.16			
5	16QAM	12	7	18.01	18.04	18.06			
5	16QAM	12	13	18.19	18.06	18.18	19	0	
5	16QAM	25	0	18.14	18.04	18.05			
5	64QAM	1	0	17.98	17.99	17.95			
5	64QAM	1	12	18.12	18.24	18.04	19	0	
5	64QAM	1	24	18.24	18.10	18.07			
5	64QAM	12	0	18.08	17.98	17.96			
5	64QAM	12	7	18.01	17.98	18.16	19	0	
5	64QAM	12	13	18.09	18.17	18.29			
5	64QAM	25	0	18.16	18.15	18.02			

Band 12 Ant4 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				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.58	24.76	24.57	25.5	0	
10	QPSK	1	25	24.54	24.54	24.37			
10	QPSK	1	49	24.58	24.60	24.61			
10	QPSK	25	0	23.57	23.78	23.63	24.5	1	
10	QPSK	25	12	23.76	23.61	23.47			
10	QPSK	25	25	23.65	23.61	23.55			
10	QPSK	50	0	23.70	23.73	23.68	24.5	1	
10	16QAM	1	0	24.13	23.82	23.76			
10	16QAM	1	25	23.76	24.06	23.74			
10	16QAM	1	49	23.75	23.83	24.08	23.5	2	
10	16QAM	25	0	22.66	22.56	22.56			
10	16QAM	25	12	22.81	22.75	22.50			
10	16QAM	25	25	22.69	22.58	22.60	23.5	2	
10	16QAM	50	0	22.70	22.65	22.66			
10	64QAM	1	0	22.71	22.72	22.66			
10	64QAM	1	25	22.59	22.75	22.63	23.5	2	
10	64QAM	1	49	22.61	22.88	22.61			
10	64QAM	25	0	21.69	21.62	21.56			
10	64QAM	25	12	21.79	21.82	21.72	22.5	3	
10	64QAM	25	25	21.64	21.59	21.73			
10	64QAM	50	0	21.71	21.56	21.49			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.50	24.75	24.70	25.5	0	
5	QPSK	1	12	24.71	24.68	24.61			
5	QPSK	1	24	24.72	24.74	24.66			
5	QPSK	12	0	23.79	23.81	23.78	24.5	1	
5	QPSK	12	7	23.77	23.83	23.79			
5	QPSK	12	13	23.89	23.80	23.72			
5	QPSK	25	0	23.86	23.75	23.77	24.5	1	
5	16QAM	1	0	23.63	23.78	23.65			
5	16QAM	1	12	23.86	23.77	23.83			
5	16QAM	1	24	23.73	23.87	23.86	23.5	2	
5	16QAM	12	0	22.86	22.82	22.72			
5	16QAM	12	7	22.77	22.86	22.98			
5	16QAM	12	13	22.67	22.79	22.75	23.5	2	
5	16QAM	25	0	22.86	22.72	22.67			
5	64QAM	1	0	23.07	22.89	23.02			
5	64QAM	1	12	22.75	22.90	22.98	23.5	2	
5	64QAM	1	24	22.81	23.07	23.10			
5	64QAM	12	0	21.86	21.75	21.69			
5	64QAM	12	7	22.02	21.74	21.85	22.5	3	
5	64QAM	12	13	21.75	21.85	21.69			
5	64QAM	25	0	21.78	21.71	21.68			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.54	24.72	24.55	25.5	0	
3	QPSK	1	8	24.64	24.66	24.50			
3	QPSK	1	14	24.75	24.45	24.58			
3	QPSK	8	0	23.71	23.65	23.67	24.5	1	
3	QPSK	8	4	23.77	23.70	23.63			
3	QPSK	8	7	23.79	23.65	23.68			
3	QPSK	15	0	23.74	23.62	23.55	24.5	1	
3	16QAM	1	0	23.42	23.79	23.62			
3	16QAM	1	8	23.58	23.61	23.72			
3	16QAM	1	14	23.67	23.59	23.78	23.5	2	
3	16QAM	8	0	22.72	22.63	22.46			
3	16QAM	8	4	22.85	22.78	22.79			
3	16QAM	8	7	22.80	22.79	22.69	23.5	2	
3	16QAM	15	0	22.81	22.63	22.68			
3	16QAM	15	8	22.82	22.81	22.55			
3	64QAM	1	8	22.61	22.75	22.59	22.5	3	
3	64QAM	1	14	22.71	22.82	22.87			
3	64QAM	8	0	21.76	21.67	21.70			
3	64QAM	8	4	21.84	21.85	21.83	22.5	3	
3	64QAM	8	7	21.74	21.54	21.72			
3	64QAM	15	0	21.86	21.62	21.51			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.62	24.70	24.42	25.5	0	
1.4	QPSK	1	3	24.56	24.37	24.60			
1.4	QPSK	1	9	24.48	24.40	24.53			
1.4	QPSK	3	0	24.65	24.40	24.42	24.5	1	
1.4	QPSK	3	1	24.74	24.60	24.58			
1.4	QPSK	3	3	24.53	24.44	24.51			
1.4	QPSK	6	0	23.71	23.50	23.53	24.5	1	
1.4	16QAM	1	0	23.94	23.84	23.64			
1.4	16QAM	1	3	23.65	23.66	23.90			
1.4	16QAM	1	9	23.74	23.80	23.81	24.5	1	
1.4	16QAM	3	0	23.81	23.71	23.66			
1.4	16QAM	3	1	23.67	23.93	23.79			
1.4	16QAM	3	3	23.77	23.65	23.60	23.5	2	
1.4	16QAM	6	0	22.67	22.50	22.46			
1.4	64QAM	1	0	22.84	22.69	22.71			
1.4	64QAM	1	3	23.03	23.00	22.98	23.5	2	
1.4	64QAM	1	9	22.76	22.59	22.68			
1.4	64QAM	3	0	22.74	22.69	22.78			
1.4	64QAM	3	1	22.80	22.88	22.67	22.5	3	
1.4	64QAM	3	3	22.58	22.61	22.60			
1.4	64QAM	6	0	21.60	21.59	21.53			

Band 17 Ant4 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.42	24.74	24.45	25.5	0	
10	QPSK	1	25	24.50	24.45	24.43			
10	QPSK	1	49	24.44	24.51	24.60			
10	QPSK	25	0	23.51	23.67	23.50	24.5	1	
10	QPSK	25	12	23.58	23.53	23.58			
10	QPSK	25	25	23.62	23.61	23.50			
10	QPSK	50	0	23.62	23.66	23.43	24.5	1	
10	16QAM	1	0	23.63	23.51	23.76			
10	16QAM	1	25	23.68	23.64	23.51			
10	16QAM	1	49	23.60	23.70	23.82	23.5	2	
10	16QAM	25	0	22.59	22.58	22.53			
10	16QAM	25	12	22.59	22.43	22.56			
10	16QAM	25	25	22.64	22.73	22.61	23.5	2	
10	16QAM	50	0	22.57	22.64	22.48			
10	64QAM	1	0	22.45	22.50	22.54			
10	64QAM	1	25	22.71	22.57	22.59	23.5	2	
10	64QAM	1	49	22.52	22.54	22.75			
10	64QAM	25	0	21.43	21.70	21.49			
10	64QAM	25	12	21.65	21.60	21.54	22.5	3	
10	64QAM	25	25	21.66	21.55	21.70			
10	64QAM	50	0	21.58	21.52	21.53			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.69	24.67	24.46	25.5	0	
5	QPSK	1	12	24.39	24.48	24.37			
5	QPSK	1	24	24.62	24.53	24.41			
5	QPSK	12	0	23.56	23.63	23.52	24.5	1	
5	QPSK	12	7	23.64	23.63	23.33			
5	QPSK	12	13	23.56	23.56	23.68			
5	QPSK	25	0	23.62	23.53	23.50	24.5	1	
5	16QAM	1	0	23.71	23.73	23.68			
5	16QAM	1	12	23.54	23.38	23.69			
5	16QAM	1	24	23.44	23.51	23.42	23.5	2	
5	16QAM	12	0	22.64	22.73	22.66			
5	16QAM	12	7	22.63	22.71	22.65			
5	16QAM	12	13	22.58	22.69	22.50	23.5	2	
5	16QAM	25	0	22.78	22.88	22.80			
5	64QAM	1	0	22.57	22.55	22.73			
5	64QAM	1	12	22.68	22.61	22.45	22.5	2	
5	64QAM	1	24	22.63	22.74	22.82			
5	64QAM	12	0	21.68	21.77	21.50			
5	64QAM	12	7	21.55	21.81	21.45	22.5	3	
5	64QAM	12	13	21.67	21.63	21.78			
5	64QAM	25	0	21.59	21.43	21.58			

Band 26 Ant4 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.42	24.48	24.38	25.5	0	
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26			
15	QPSK	36	20	23.30	23.49	23.28	24.5	1	
15	QPSK	36	39	23.31	23.28	23.36			
15	QPSK	75	0	23.39	23.49	23.43			
15	16QAM	1	0	23.35	23.48	23.38			
15	16QAM	1	37	23.34	23.36	23.34	24.5	1	
15	16QAM	1	74	23.29	23.46	23.19			
15	16QAM	36	0	22.44	22.38	22.28			
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17	23.5	2	
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.54	22.38			
15	64QAM	1	37	22.21	22.35	22.20			
15	64QAM	1	74	22.33	22.41	22.31	23.5	2	
15	64QAM	36	0	21.43	21.55	21.49			
15	64QAM	36	20	21.33	21.32	21.35			
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35	25.5	0	
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.11			
10	QPSK	25	0	23.39	23.45	23.11			
10	QPSK	25	12	23.23	23.44	23.23	24.5	1	
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32			
10	16QAM	1	0	23.35	23.32	23.20			
10	16QAM	1	25	23.18	23.18	23.18	24.5	1	
10	16QAM	1	49	23.09	23.42	23.07			
10	16QAM	25	0	22.40	22.18	22.21			
10	16QAM	25	12	22.31	22.31	22.37			
10	16QAM	25	25	22.27	22.19	22.09	23.5	2	
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.39	22.26			
10	64QAM	1	25	22.04	22.27	22.15			
10	64QAM	1	49	22.13	22.33	22.14	23.5	2	
10	64QAM	25	0	21.41	21.38	21.39			
10	64QAM	25	12	21.29	21.16	21.20			
10	64QAM	25	25	21.26	21.28	21.16			
10	64QAM	50	0	21.16	21.43	21.34	22.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22	25.5	0	
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22			
5	QPSK	12	7	23.29	23.45	23.29	24.5	1	
5	QPSK	12	13	23.16	23.19	23.32			
5	QPSK	25	0	23.30	23.37	23.54			
5	16QAM	1	0	23.24	23.32	23.39			
5	16QAM	1	12	23.22	23.34	23.37	24.5	1	
5	16QAM	1	24	23.12	23.33	23.12			
5	16QAM	12	0	22.30	22.41	22.28			
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08	23.5	2	
5	16QAM	25	0	22.49	22.30	22.23			
5	64QAM	1	0	22.31	22.51	22.44			
5	64QAM	1	12	22.27	22.31	22.23			
5	64QAM	1	24	22.20	22.38	22.25	23.5	2	
5	64QAM	12	0	21.34	21.43	21.49			
5	64QAM	12	7	21.32	21.32	21.40			
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48	22.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42	25.5	0	
3	QPSK	1	8	24.21	24.14	24.37			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31			
3	QPSK	8	4	23.21	23.49	23.12	24.5	1	
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33			
3	16QAM	1	0	23.23	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39	24.5	1	
3	16QAM	1	14	23.24	23.41	23.22			
3	16QAM	8	0	22.38	22.30	22.27			
3	16QAM	8	4	22.28	22.18	22.07			
3	16QAM	8	7	22.28	22.24	22.17	23.5	2	
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.57	22.40			
3	64QAM	1	8	22.26	22.33	22.33			
3	64QAM	1	14	22.34	22.36	22.22	23.5	2	
3	64QAM	8	0	21.40	21.41	21.55			
3	64QAM	8	4	21.19	21.21	21.22			
3	64QAM	8	7	21.43	21.28	21.24			
3	64QAM	15	0	21.34	21.40	21.43	22.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31	25.5	0	
1.4	QPSK	1	3	24.36	24.36	24.26			
1.4	QPSK	1	3	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28			
1.4	QPSK	3	1	24.27	24.41	24.26	24.5	1	
1.4	QPSK	3	3	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28			
1.4	16QAM	1	0	23.33	23.35	23.15			
1.4	16QAM	1	3	23.17	23.20	23.16	24.5	1	
1.4	16QAM	1	5	23.10	23.21	23.05			
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06			
1.4	16QAM	3	3	23.31	23.18	23.06	23.5	2	
1.4	16QAM	6	0	22.47	22.23	22.18			
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17			
1.4	64QAM	1	5	22.26	22.38	22.04	23.5	2	
1.4	64QAM	3	0	22.30	22.36	22.26			
1.4	64QAM	3	1	22.34	22.45	22.26			
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18	22.5	3	

Band 38 Ant4 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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.77	19.99	19.82	20.5	0	
20	QPSK	1	49	19.84	19.83	19.87			
20	QPSK	1	99	19.83	19.85	19.83			
20	QPSK	50	0	19.86	19.96	19.87			
20	QPSK	50	24	19.88	19.90	19.83	20.5	0	
20	QPSK	50	50	19.94	19.95	19.94			
20	QPSK	100	0	19.93	19.94	19.85			
20	16QAM	1	0	19.93	19.96	19.96			
20	16QAM	1	49	19.83	19.94	19.83	20.5	0	
20	16QAM	1	99	19.89	19.82	19.97			
20	16QAM	50	0	19.85	19.89	19.88			
20	16QAM	50	24	19.94	19.91	19.86			
20	16QAM	50	50	19.97	19.95	19.92	20.5	0	
20	16QAM	100	0	19.97	19.97	19.87			
20	64QAM	1	0	19.64	19.66	19.68			
20	64QAM	1	49	19.76	19.74	19.72			
20	64QAM	1	99	19.75	19.73	19.64	20.5	0	
20	64QAM	50	0	19.79	19.82	19.82			
20	64QAM	50	24	19.93	19.86	19.95			
20	64QAM	50	50	19.92	19.91	19.91			
20	64QAM	100	0	19.87	19.86	19.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.71	19.89	19.80	20.5	0	
15	QPSK	1	37	19.71	19.75	19.88			
15	QPSK	1	74	19.61	19.68	19.81			
15	QPSK	36	0	19.76	19.81	19.71			
15	QPSK	36	20	19.79	19.73	19.78	20.5	0	
15	QPSK	36	39	19.77	19.81	19.86			
15	QPSK	75	0	19.89	19.94	19.83			
15	16QAM	1	0	19.87	19.90	19.87			
15	16QAM	1	37	19.68	19.93	19.84	20.5	0	
15	16QAM	1	74	19.86	19.68	19.95			
15	16QAM	36	0	19.63	19.80	19.87			
15	16QAM	36	20	19.91	19.83	19.69			
15	16QAM	36	39	19.95	19.96	19.82	20.5	0	
15	16QAM	75	0	19.84	19.86	19.79			
15	64QAM	1	0	19.53	19.58	19.57			
15	64QAM	1	37	19.63	19.73	19.73			
15	64QAM	1	74	19.58	19.55	19.64	20.5	0	
15	64QAM	36	0	19.72	19.62	19.67			
15	64QAM	36	20	19.72	19.76	19.74			
15	64QAM	36	39	19.83	19.87	19.83			
15	64QAM	75	0	19.82	19.70	19.82			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.69	19.79	19.75	20.5	0	
10	QPSK	1	25	19.66	19.78	19.73			
10	QPSK	1	49	19.81	19.75	19.63			
10	QPSK	25	0	19.64	19.89	19.83			
10	QPSK	25	12	19.68	19.90	19.68	20.5	0	
10	QPSK	25	25	19.91	19.90	19.76			
10	QPSK	50	0	19.83	19.82	19.85			
10	16QAM	1	0	19.72	19.89	19.94			
10	16QAM	1	25	19.62	19.83	19.72	20.5	0	
10	16QAM	1	49	19.71	19.64	19.88			
10	16QAM	25	0	19.84	19.70	19.70			
10	16QAM	25	12	19.76	19.93	19.87			
10	16QAM	25	25	19.93	19.82	19.93	20.5	0	
10	16QAM	50	0	19.86	19.93	19.71			
10	64QAM	1	0	19.62	19.57	19.67			
10	64QAM	1	25	19.63	19.66	19.68			
10	64QAM	1	49	19.73	19.70	19.62	20.5	0	
10	64QAM	25	0	19.65	19.78	19.61			
10	64QAM	25	12	19.79	19.68	19.79			
10	64QAM	25	25	19.76	19.91	19.70			
10	64QAM	50	0	19.75	19.72	19.94			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.63	19.81	19.65	20.5	0	
5	QPSK	1	12	19.79	19.73	19.71			
5	QPSK	1	24	19.70	19.67	19.82			
5	QPSK	12	0	19.82	19.88	19.88			
5	QPSK	12	7	19.87	19.86	19.63	20.5	0	
5	QPSK	12	13	19.77	19.84	19.82			
5	QPSK	25	0	19.75	19.75	19.71			
5	16QAM	1	0	19.85	19.95	19.92			
5	16QAM	1	12	19.82	19.76	19.66	20.5	0	
5	16QAM	1	24	19.74	19.78	19.86			
5	16QAM	12	0	19.78	19.69	19.82			
5	16QAM	12	7	19.80	19.81	19.78			
5	16QAM	12	13	19.94	19.85	19.86	20.5	0	
5	16QAM	25	0	19.94	19.82	19.77			
5	64QAM	1	0	19.47	19.50	19.54			
5	64QAM	1	12	19.56	19.67	19.59			
5	64QAM	1	24	19.53	19.55	19.59	20.5	0	
5	64QAM	12	0	19.58	19.80	19.78			
5	64QAM	12	7	19.93	19.76	19.91			
5	64QAM	12	13	19.85	19.85	19.90			
5	64QAM	25	0	19.73	19.72	19.80			

GSM850 Ant0 DS12

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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

GSM1900 Ant0 DS12

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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	29.27	29.33	29.21	30.50	20.27	20.33	20.21	21.50
GPRS 1 Tx slot	29.34	29.28	29.10	30.50	20.34	20.28	20.10	21.50
GPRS 2 Tx slots	26.70	26.64	26.39	27.50	20.70	20.64	20.39	21.50
GPRS 3 Tx slots	24.63	24.82	24.61	25.50	20.37	20.56	20.35	21.24
GPRS 4 Tx slots	23.17	23.52	23.43	24.50	20.17	20.52	20.43	21.50
EDGE 1 Tx slot	25.23	25.39	25.18	26.50	16.23	16.39	16.18	17.50
EDGE 2 Tx slots	22.51	22.45	22.27	24.00	16.51	16.45	16.27	18.00
EDGE 3 Tx slots	19.92	19.82	19.73	21.50	15.66	15.56	15.47	17.24
EDGE 4 Tx slots	19.97	19.69	19.85	20.50	16.97	16.69	16.85	17.50

WCDMA II Ant0 DS12

WCDMA IV Ant0 DS12

WCDMA V Ant0 DS12

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
RX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.38	24.33	24.31	25.50	24.81	24.84	24.82	25.50	24.71	24.74	24.72	25.50
3GPP Rel 99	RMC 12.2Kbps	24.40	24.43	24.36	25.50	24.85	24.88	24.80	25.50	24.75	24.78	24.69	25.50
3GPP Rel 6	HSDPA Subtest-1	23.80	23.83	23.81	24.50	23.92	23.91	23.76	24.50	23.76	23.81	23.54	24.50
3GPP Rel 6	HSDPA Subtest-2	23.77	23.82	23.80	24.50	23.94	23.89	23.82	24.50	23.82	23.69	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.96	23.26	23.30	24.00	23.43	23.39	23.30	24.00	23.33	23.29	23.20	24.00
3GPP Rel 6	HSDPA Subtest-4	23.31	23.32	23.27	24.00	23.42	23.41	23.32	24.00	23.32	23.34	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.85	23.80	23.79	24.50	23.80	23.79	23.64	24.50	23.82	23.67	23.56	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.77	23.67	23.86	24.50	23.82	23.77	23.70	24.50	23.87	23.74	23.56	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	23.02	23.22	23.25	24.00	23.31	23.27	23.18	24.00	23.37	23.30	23.21	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	23.27	23.37	23.29	24.00	23.30	23.32	23.20	24.00	23.38	23.31	23.18	24.00
3GPP Rel 6	HSUPA Subtest-1	23.46	23.45	23.37	24.50	23.88	23.88	23.76	24.50	23.69	23.75	23.66	24.50
3GPP Rel 6	HSUPA Subtest-2	21.42	21.43	21.33	22.50	21.88	21.89	21.74	22.50	21.78	21.79	21.67	22.50
3GPP Rel 6	HSUPA Subtest-3	22.44	22.47	22.34	23.50	22.90	22.87	22.74	23.50	22.80	22.77	22.64	23.50
3GPP Rel 6	HSUPA Subtest-4	21.45	21.46	21.28	22.50	21.83	21.88	21.80	22.50	21.73	21.78	21.70	22.50
3GPP Rel 6	HSUPA Subtest-5	23.40	23.50	23.40	24.50	23.90	23.90	23.50	24.50	23.78	23.74	23.40	24.50

Band 2 Ant0 DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	23.02	23.31	23.08	24.5	0				
20	QPSK	1	49	23.10	23.05	23.23						
20	QPSK	1	99	23.23	22.99	22.99	23.5	1				
20	QPSK	50	0	22.17	22.29	22.13						
20	QPSK	50	24	22.20	22.06	22.10	23.5	1				
20	QPSK	50	50	22.22	22.11	21.97						
20	QPSK	100	0	22.26	22.31	22.13	23.5	1				
20	16QAM	1	0	21.97	21.99	22.25						
20	16QAM	1	49	21.95	22.18	22.26	23.5	1				
20	16QAM	1	99	22.09	22.20	22.01						
20	16QAM	50	0	21.27	21.07	21.11	22.5	2				
20	16QAM	50	24	21.26	21.25	21.13						
20	16QAM	50	50	21.25	21.22	21.00	22.5	2				
20	16QAM	100	0	21.21	21.07	21.11						
20	64QAM	1	0	21.04	21.27	21.09	22.5	2				
20	64QAM	1	49	20.89	21.16	20.93						
20	64QAM	1	99	21.05	20.89	21.17	21.5	3				
20	64QAM	50	0	20.26	20.14	20.04						
20	64QAM	50	24	20.27	20.10	20.04	21.5	3				
20	64QAM	50	50	20.21	20.12	19.97						
20	64QAM	100	0	20.29	20.09	20.11	21.5	3				
Channel												
Frequency (MHz)				1867.5	1890	1912.5				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5						
15	QPSK	1	0	23.16	23.28	23.18	24.5	0				
15	QPSK	1	37	23.15	23.15	23.20						
15	QPSK	1	74	23.20	23.12	23.04	23.5	1				
15	QPSK	36	0	22.22	22.22	22.15						
15	QPSK	36	20	22.24	22.19	22.13	23.5	1				
15	QPSK	36	39	22.26	22.06	22.10						
15	QPSK	75	0	22.25	22.14	22.11	23.5	1				
15	16QAM	1	0	22.42	22.34	22.22						
15	16QAM	1	37	22.30	22.44	22.17	23.5	1				
15	16QAM	1	74	22.45	22.34	22.39						
15	16QAM	36	0	21.31	21.15	21.12	22.5	2				
15	16QAM	36	20	21.16	21.14	21.13						
15	16QAM	36	39	21.16	21.16	21.18	22.5	2				
15	16QAM	75	0	21.24	21.17	21.17						
15	64QAM	1	0	21.10	21.25	21.28	22.5	2				
15	64QAM	1	37	21.29	21.08	21.17						
15	64QAM	1	74	21.12	21.22	21.29	21.5	3				
15	64QAM	36	0	20.19	20.11	20.12						
15	64QAM	36	20	20.23	20.21	20.19	21.5	3				
15	64QAM	36	39	20.18	20.12	19.95						
15	64QAM	75	0	20.18	20.18	20.05	21.5	3				
Channel												
Frequency (MHz)				1865.0	1880	1900				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905						
10	QPSK	1	0	23.23	23.29	23.25	24.5	0				
10	QPSK	1	25	23.24	23.14	22.94						
10	QPSK	1	49	23.15	22.92	23.00	23.5	1				
10	QPSK	25	0	22.39	22.27	22.22						
10	QPSK	25	12	22.30	22.30	22.33	23.5	1				
10	QPSK	25	25	22.33	22.23	22.22						
10	QPSK	50	0	22.39	22.28	22.24	23.5	1				
10	16QAM	1	0	22.28	22.22	22.39						
10	16QAM	1	25	22.42	22.45	22.15	23.5	1				
10	16QAM	1	49	22.26	22.37	22.23						
10	16QAM	25	0	21.44	21.49	21.25	22.5	2				
10	16QAM	25	12	21.40	21.32	21.23						
10	16QAM	25	25	21.25	21.20	21.03	22.5	2				
10	16QAM	50	0	21.39	21.21	21.30						
10	64QAM	1	0	21.44	21.33	21.39	22.5	2				
10	64QAM	1	25	21.34	21.13	21.37						
10	64QAM	1	49	21.22	21.11	21.20	21.5	3				
10	64QAM	25	0	20.34	20.31	20.24						
10	64QAM	25	12	20.33	20.23	20.24	21.5	3				
10	64QAM	25	25	20.28	20.19	20.05						
10	64QAM	50	0	20.30	20.33	20.29	21.5	3				
Channel												
Frequency (MHz)				1852.5	1880	1917.5				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5						
5	QPSK	1	0	23.25	23.27	22.98	24.5	0				
5	QPSK	1	12	23.07	22.92	23.02						
5	QPSK	1	24	23.17	23.00	23.03	23.5	1				
5	QPSK	12	0	22.32	22.34	22.25						
5	QPSK	12	7	22.28	22.37	22.26	23.5	1				
5	QPSK	12	13	22.34	22.22	22.16						
5	QPSK	25	0	22.33	22.29	22.15	23.5	1				
5	16QAM	1	0	22.19	22.37	22.16						
5	16QAM	1	12	22.32	22.21	22.20	23.5	1				
5	16QAM	1	24	22.31	22.23	22.14						
5	16QAM	12	0	21.28	21.29	21.33	22.5	2				
5	16QAM	12	7	21.63	21.48	21.21						
5	16QAM	12	13	21.41	21.22	21.25	22.5	2				
5	16QAM	25	0	21.47	21.23	21.22						
5	64QAM	1	0	21.36	21.27	21.53	22.5	2				
5	64QAM	1	12	21.41	21.34	21.21						
5	64QAM	1	24	21.36	21.40	21.31	21.5	3				
5	64QAM	12	0	20.43	20.42	20.35						
5	64QAM	12	7	20.26	20.31	20.23	21.5	3				
5	64QAM	12	13	20.33	20.11	20.02						
5	64QAM	25	0	20.34	20.20	20.23	21.5	3				
Channel												
Frequency (MHz)				1861.5	1890	1918.5				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5						
3	QPSK	1	0	23.17	23.30	23.09	24.5	0				
3	QPSK	1	8	23.15	23.24	23.12						
3	QPSK	1	14	23.24	23.18	23.06	23.5	1				
3	QPSK	8	0	22.18	22.21	22.04						
3	QPSK	8	4	23.18	23.22	23.09	23.5	1				
3	QPSK	8	7	22.10	22.08	22.01						
3	QPSK	15	0	22.14	22.13	21.98	23.5	1				
3	16QAM	1	0	22.38	22.49	22.17						
3	16QAM	1	8	22.19	22.40	22.18	23.5	1				
3	16QAM	1	14	22.13	22.50	22.22						
3	16QAM	8	0	21.15	21.35	21.19	22.5	2				
3	16QAM	8	4	21.14	21.20	21.16						
3	16QAM	8	7	21.30	21.12	21.25	22.5	2				
3	16QAM	15	0	21.20	21.13	21.22						
3	64QAM	1	0	21.31	21.39	21.27	22.5	2				
3	64QAM	1	8	21.36	21.17	21.26						
3	64QAM	1	14	21.25	21.38	21.09	21.5	3				
3	64QAM	8	0	20.30	20.20	20.11						
3	64QAM	8	4	20.03	20.13	20.05	21.5	3				
3	64QAM	8	7	20.31	20.16	20.29						
3	64QAM	15	0	20.18	20.21	19.95	21.5	3				
Channel												
Frequency (MHz)				1850.7	1880	1909.3				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3						
1.4	QPSK	1	0	23.06	23.29	22.89	24.5	0				
1.4	QPSK	1	3	23.09	23.06	22.98						
1.4	QPSK	1	5	22.95	23.07	22.85	23.5	1				
1.4	QPSK	3	0	23.09	23.19	23.02						
1.4	QPSK	3	1	23.15	23.20	23.30	23.5	1				
1.4	QPSK	3	3	23.16	22.97	22.92						
1.4	16QAM	1	0	22.41	22.35	22.27	23.5	1				
1.4	16QAM	1	3	22.28	22.32	22.23						
1.4	16QAM	1	5	22.21	22.25	22.24	23.5	1				
1.4	16QAM	3	0	22.32	22.25	21.98						
1.4	16QAM	3	1	22.21	21.95	22.08	22.5	2				
1.4	16QAM	3	3	22.18	21.23	22.05						
1.4	64QAM	1	0	21.35	21.29	21.15	22.5	2				
1.4	64QAM	1	3	21.23	21.40	21.27						
1.4	64QAM	1	5	21.19	21.25	21.32	22.5	2				
1.4	64QAM	3	0	21.33	21.38	21.20						
1.4	64QAM	3	1	21.25	21.21	21.21	21.5	3				
1.4	64QAM	3	3	21.30	21.21	21.10						
1.4	64QAM	6	0	20.15	20.29	20.23	21.5	3				
1.4	64QAM	6	1	20.15	20.29	20.23						

Band 7 Ant0 DSI2									
BW (MHz)	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	24.18	24.30	24.34	25.5	0	
20	QPSK	1	49	24.21	24.30	24.17			
20	QPSK	1	99	24.26	24.32	24.35			
20	QPSK	50	0	23.19	23.56	23.27			
20	QPSK	50	24	23.49	23.45	23.44	24.5	1	
20	QPSK	50	50	23.52	23.48	23.44			
20	QPSK	100	0	23.35	23.45	23.33			
20	16QAM	1	0	23.22	23.39	23.41			
20	16QAM	1	49	23.28	23.33	23.20	24.5	1	
20	16QAM	1	99	23.34	23.33	23.18			
20	16QAM	50	0	22.41	22.26	22.25			
20	16QAM	50	24	22.46	22.38	22.37			
20	16QAM	50	50	22.43	22.49	22.48	23.5	2	
20	16QAM	100	0	22.39	22.36	22.41			
20	64QAM	1	0	22.24	22.37	22.34			
20	64QAM	1	49	22.55	22.42	22.40			
20	64QAM	1	99	22.27	22.27	22.31	23.5	2	
20	64QAM	50	0	21.34	21.29	21.31			
20	64QAM	50	24	21.49	21.36	21.40			
20	64QAM	50	50	21.51	21.47	21.41			
20	64QAM	100	0	21.40	21.39	21.36	22.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.11	24.21	24.05	25.5	0	
15	QPSK	1	37	23.99	24.27	24.22			
15	QPSK	1	74	24.25	24.33	24.22			
15	QPSK	36	0	23.21	23.31	23.32			
15	QPSK	36	20	23.35	23.34	23.22	24.5	1	
15	QPSK	36	39	23.40	23.29	23.34			
15	QPSK	75	0	23.34	23.36	23.34			
15	16QAM	1	0	23.20	23.24	23.38			
15	16QAM	1	37	23.19	23.28	23.08	24.5	1	
15	16QAM	1	74	23.50	23.23	23.01			
15	16QAM	36	0	22.29	22.23	22.29			
15	16QAM	36	20	22.40	22.36	22.33			
15	16QAM	36	39	22.30	22.36	22.35	23.5	2	
15	16QAM	75	0	22.28	22.30	22.38			
15	64QAM	1	0	22.16	22.26	22.13			
15	64QAM	1	37	22.39	22.24	22.19			
15	64QAM	1	74	22.31	22.05	22.09	23.5	2	
15	64QAM	36	0	21.24	21.26	21.28			
15	64QAM	36	20	21.52	21.39	21.26			
15	64QAM	36	39	21.40	21.31	21.33			
15	64QAM	75	0	21.39	21.35	21.27	22.5	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.29	24.10	24.11	25.5	0	
10	QPSK	1	25	24.05	24.25	24.36			
10	QPSK	1	49	24.11	24.25	24.26			
10	QPSK	25	0	23.28	23.09	23.19			
10	QPSK	25	12	23.05	23.18	23.15	24.5	1	
10	QPSK	25	25	23.04	23.16	23.08			
10	QPSK	50	0	23.23	23.06	23.00			
10	16QAM	1	0	23.05	23.17	23.02			
10	16QAM	1	25	23.19	23.02	23.08	24.5	1	
10	16QAM	1	49	23.16	23.17	23.05			
10	16QAM	25	0	22.05	22.18	22.08			
10	16QAM	25	12	22.23	22.20	22.25			
10	16QAM	25	25	22.31	22.13	22.34	23.5	2	
10	16QAM	50	0	22.36	22.31	22.42			
10	64QAM	1	0	22.11	22.18	22.24			
10	64QAM	1	25	22.17	22.30	22.10			
10	64QAM	1	49	22.14	22.29	22.06	23.5	2	
10	64QAM	25	0	21.05	21.08	21.19			
10	64QAM	25	12	21.36	21.02	21.18			
10	64QAM	25	25	21.23	21.06	21.16			
10	64QAM	50	0	21.08	21.38	21.08	22.5	3	
Channel				21050	21350	21650			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.32	24.27	24.25	25.5	0	
5	QPSK	1	12	24.13	24.37	24.23			
5	QPSK	1	24	24.35	24.32	24.36			
5	QPSK	12	0	23.28	23.31	23.24			
5	QPSK	12	7	23.32	23.31	23.23	24.5	1	
5	QPSK	12	13	23.45	23.41	23.45			
5	QPSK	25	0	23.33	23.34	23.38			
5	16QAM	1	0	23.20	23.37	23.25			
5	16QAM	1	12	23.15	23.28	23.23	24.5	1	
5	16QAM	1	24	23.26	23.05	23.17			
5	16QAM	12	0	22.29	22.29	22.13			
5	16QAM	12	7	22.33	22.31	22.45			
5	16QAM	12	13	22.40	22.44	22.46	23.5	2	
5	16QAM	25	0	22.44	22.38	22.37			
5	64QAM	1	0	22.00	22.18	22.06			
5	64QAM	1	12	22.29	22.24	22.12			
5	64QAM	1	24	22.46	22.15	22.05	23.5	2	
5	64QAM	12	0	21.18	21.26	21.25			
5	64QAM	12	7	21.31	21.45	21.26			
5	64QAM	12	13	21.40	21.46	21.40			
5	64QAM	25	0	21.39	21.31	21.33	22.5	3	

Band 12 Ant0 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.80	23.68	24.5	1	
10	QPSK	25	12	23.74	23.71	23.80			
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.86	23.80	24.5	1	
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61			
10	16QAM	1	49	23.85	23.73	23.72	23.5	2	
10	16QAM	25	0	22.82	22.73	22.69			
10	16QAM	25	12	22.89	22.69	22.71			
10	16QAM	25	25	22.90	22.85	22.92	22.5	3	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.61	22.57	22.77	23.5	2	
10	64QAM	1	49	22.64	22.70	22.92			
10	64QAM	25	0	21.85	21.66	21.75			
10	64QAM	25	12	21.87	21.75	21.88	22.5	3	
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.80	23.61	23.64	24.5	1	
5	QPSK	12	7	23.71	23.71	23.71			
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59	24.5	1	
5	16QAM	1	0	23.62	23.70	23.52			
5	16QAM	1	12	23.48	23.75	23.71			
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.62			
5	16QAM	12	7	22.89	22.69	22.80			
5	16QAM	12	13	22.81	22.64	22.65	23.5	2	
5	16QAM	25	0	22.73	22.77	22.66			
5	64QAM	1	0	22.73	22.64	22.95			
5	64QAM	1	12	22.76	22.94	22.88	23.5	2	
5	64QAM	1	24	22.70	22.76	22.75			
5	64QAM	12	0	21.79	21.71	21.64			
5	64QAM	12	7	21.81	21.67	21.74	22.5	3	
5	64QAM	12	13	21.68	21.59	21.82			
5	64QAM	25	0	21.60	21.64	21.73			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.57	24.66	24.46	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76	24.5	1	
3	QPSK	8	4	23.76	23.81	23.75			
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.73	23.71	24.5	1	
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66			
3	16QAM	1	14	23.76	23.64	23.68	23.5	2	
3	16QAM	8	0	22.93	22.86	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	8	7	22.97	22.72	22.71	23.5	2	
3	16QAM	15	0	22.79	22.98	22.73			
3	64QAM	1	8	22.85	22.79	22.92			
3	64QAM	1	8	23.07	23.13	22.83	22.5	3	
3	64QAM	1	14	23.00	23.12	22.90			
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76	22.5	3	
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71			
Channel				23025	23095	23175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.5	707.5	715.5			
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.51			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	0	24.47	24.58	24.42	24.5	1	
1.4	QPSK	3	1	24.52	24.51	24.42			
1.4	QPSK	3	3	24.46	24.36	24.41			
1.4	QPSK	6	0	23.49	23.57	23.54	24.5	1	
1.4	16QAM	1	0	23.65	23.62	23.81			
1.4	16QAM	1	3	23.54	23.71	23.62			
1.4	16QAM	3	0	23.56	23.84	23.69	23.5	2	
1.4	16QAM	3	0	23.52	23.64	23.50			
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.50	23.43	23.40	23.5	2	
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.86			
1.4	64QAM	1	5	22.83	22.73	22.84	23.5	2	
1.4	64QAM	3	0	22.68	22.73	22.53			
1.4	64QAM	3	1	22.86	22.56	22.71			
1.4	64QAM	3	3	22.52	22.70	22.64	22.5	3	
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 17 Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.50	24.68	24.42	25.5	0	
10	QPSK	1	25	24.45	24.57	24.65			
10	QPSK	1	49	24.33	24.40	24.62			
10	QPSK	25	0	23.59	23.92	23.88	24.5	1	
10	QPSK	25	12	23.77	23.69	23.70			
10	QPSK	25	25	23.67	23.63	23.70			
10	QPSK	50	0	23.79	23.90	23.58	24.5	1	
10	16QAM	1	0	23.85	23.77	23.81			
10	16QAM	1	25	23.82	23.86	23.84			
10	16QAM	1	49	23.72	23.84	23.83	23.5	2	
10	16QAM	25	0	22.68	22.59	22.77			
10	16QAM	25	12	22.79	22.68	22.77			
10	16QAM	25	25	22.78	22.69	22.72	23.5	2	
10	16QAM	50	0	22.70	22.65	22.74			
10	64QAM	1	0	22.85	22.76	22.80			
10	64QAM	1	25	22.81	23.14	22.90	23.5	2	
10	64QAM	1	49	22.93	22.75	22.87			
10	64QAM	25	0	21.59	21.64	21.66			
10	64QAM	25	12	21.66	21.72	21.72	22.5	3	
10	64QAM	25	25	21.78	21.79	21.74			
10	64QAM	50	0	21.72	21.68	21.61			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.67	24.67	24.56	25.5	0	
5	QPSK	1	12	24.39	24.59	24.58			
5	QPSK	1	24	24.62	24.56	24.66			
5	QPSK	12	0	23.62	23.77	23.70	24.5	1	
5	QPSK	12	7	23.66	23.64	23.67			
5	QPSK	12	13	23.73	23.70	23.74			
5	QPSK	25	0	23.64	23.70	23.80	24.5	1	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.87	23.75	24.14			
5	16QAM	1	24	23.84	24.16	23.98	23.5	2	
5	16QAM	12	0	22.80	22.77	22.87			
5	16QAM	12	7	22.85	22.57	22.83			
5	16QAM	12	13	22.70	22.72	22.78	23.5	2	
5	16QAM	25	0	22.70	22.57	22.77			
5	64QAM	1	0	22.80	22.63	22.71			
5	64QAM	1	12	22.69	22.76	22.73	22.5	2	
5	64QAM	1	24	22.70	22.55	22.64			
5	64QAM	12	0	21.80	21.75	21.62			
5	64QAM	12	7	21.62	21.72	21.89	22.5	3	
5	64QAM	12	13	21.66	21.54	21.63			
5	64QAM	25	0	21.57	21.61	21.66			

Band 26 Ant0 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	0	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.18			
15	QPSK	36	0	23.44	23.50	23.37			
15	QPSK	36	20	23.42	23.46	23.44	24.5	1	
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31			
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.76	23.66	23.57	24.5	1	
15	16QAM	1	74	23.75	23.66	23.48			
15	16QAM	36	0	22.45	22.43	22.39			
15	16QAM	36	20	22.50	22.48	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.55	22.50			
15	64QAM	1	37	22.65	22.60	22.50			
15	64QAM	1	74	22.56	22.54	22.37	23.5	2	
15	64QAM	36	0	21.48	21.44	21.37			
15	64QAM	36	20	21.51	21.47	21.40			
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	0	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31			
10	QPSK	25	12	23.45	23.36	23.32	24.5	1	
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30			
10	16QAM	1	0	23.60	23.68	23.61			
10	16QAM	1	25	23.62	23.63	23.53	24.5	1	
10	16QAM	1	49	23.63	23.61	23.49			
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.36			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.29			
10	64QAM	1	0	22.57	22.60	22.48			
10	64QAM	1	25	22.56	22.46	22.38			
10	64QAM	1	49	22.50	22.50	22.39	23.5	2	
10	64QAM	25	0	21.49	21.39	21.31			
10	64QAM	25	12	21.47	21.35	21.29			
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31	22.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	0	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29			
5	QPSK	12	7	23.48	23.42	23.28	24.5	1	
5	QPSK	12	13	23.43	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.28			
5	16QAM	1	0	23.80	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54	24.5	1	
5	16QAM	1	24	23.66	23.58	23.50			
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45			
5	64QAM	1	12	22.56	22.42	22.39			
5	64QAM	1	24	22.54	22.48	22.38	23.5	2	
5	64QAM	12	0	21.53	21.36	21.33			
5	64QAM	12	7	21.48	21.43	21.29			
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27	22.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	0	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27			
3	QPSK	8	4	23.42	23.45	23.31	24.5	1	
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26			
3	16QAM	1	0	23.53	23.60	23.52			
3	16QAM	1	8	23.61	23.67	23.54	24.5	1	
3	16QAM	1	14	23.70	23.61	23.55			
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.35			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	16QAM	1	0	22.56	22.48	22.36			
3	64QAM	1	0	22.62	22.55	22.44			
3	64QAM	1	14	22.55	22.57	22.41	23.5	2	
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31			
3	64QAM	8	7	21.50	21.44	21.08			
3	64QAM	15	0	21.48	21.38	21.25	22.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.20	24.04	25.5	0	
1.4	QPSK	1	3	24.33	24.26	24.16			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07			
1.4	QPSK	3	1	24.31	24.29	24.15	24.5	1	
1.4	QPSK	3	3	24.30	24.22	24.09			
1.4	QPSK	6	0	23.37	23.34	23.19			
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48	24.5	1	
1.4	16QAM	1	5	23.59	23.56	23.40			
1.4	16QAM	3	0	23.35	23.33	23.18			
1.4	16QAM	3	1	23.40	23.38	23.26			
1.4	16QAM	3	3	23.50	23.29	23.14	23.5	2	
1.4	16QAM	6	0	22.50	22.41	22.25			
1.4	64QAM	1	0	22.47	22.40	22.32			
1.4	64QAM	1	3	22.56	22.45	22.38			
1.4	64QAM	1	5	22.49	22.39	22.24	23.5	2	
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26			
1.4	64QAM	3	3	22.41	22.31	22.21			
1.4	64QAM	6	0	21.40	21.37	21.19	22.5	3	

Band 38 Ant0 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	25.5	0	
20	QPSK	1	0	24.52	24.64	24.51			
20	QPSK	1	49	24.53	24.60	24.56			
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65	24.5	1	
20	QPSK	50	24	23.70	23.66	23.65			
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65			
20	16QAM	1	0	23.61	23.66	23.66	24.5	1	
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68			
20	16QAM	50	0	22.62	22.70	22.61			
20	16QAM	50	24	22.71	22.72	22.82	23.5	2	
20	16QAM	50	50	22.72	22.73	22.73			
20	16QAM	100	0	22.70	22.60	22.72			
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55	23.5	2	
20	64QAM	1	99	22.56	22.58	22.54			
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75			
20	64QAM	50	50	21.54	21.67	21.67	22.5	3	
20	64QAM	50	24	21.63	21.75	21.75			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.58	24.55	24.54	25.5	0	
15	QPSK	1	37	24.51	24.62	24.47			
15	QPSK	1	74	24.57	24.60	24.54			
15	QPSK	36	0	23.59	23.66	23.70			
15	QPSK	36	20	23.71	23.66	23.64	24.5	1	
15	QPSK	36	39	23.58	23.68	23.64			
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.76			
15	16QAM	1	37	23.64	23.77	23.80	24.5	1	
15	16QAM	1	74	23.70	23.74	23.68			
15	16QAM	36	0	22.60	22.59	22.62			
15	16QAM	36	20	22.61	22.66	22.66			
15	16QAM	36	39	22.69	22.69	22.64	23.5	2	
15	16QAM	75	0	22.69	22.64	22.66			
15	64QAM	1	0	22.70	22.62	22.55			
15	64QAM	1	37	22.60	22.65	22.48			
15	64QAM	1	74	22.57	22.64	22.53	23.5	2	
15	64QAM	36	0	21.54	21.62	21.65			
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69			
15	64QAM	75	0	21.68	21.65	21.66	22.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.56	24.57	24.42	25.5	0	
10	QPSK	1	25	24.40	24.46	24.44			
10	QPSK	1	49	24.50	24.60	24.49			
10	QPSK	25	0	23.63	23.65	23.58			
10	QPSK	25	12	23.64	23.50	23.56	24.5	1	
10	QPSK	25	25	23.47	23.56	23.52			
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69			
10	16QAM	1	25	23.56	23.53	23.60	24.5	1	
10	16QAM	1	49	23.54	23.64	23.62			
10	16QAM	25	0	22.59	22.62	22.57			
10	16QAM	25	12	22.63	22.68	22.64			
10	16QAM	25	25	22.65	22.72	22.70	23.5	2	
10	16QAM	50	0	22.68	22.62	22.58			
10	64QAM	1	0	22.44	22.51	22.55			
10	64QAM	1	25	22.25	22.49	22.37			
10	64QAM	1	49	22.43	22.51	22.39	23.5	2	
10	64QAM	25	0	21.57	21.57	21.50			
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56			
10	64QAM	50	0	21.52	21.48	21.52	22.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.40	24.58	24.52	25.5	0	
5	QPSK	1	12	24.48	24.61	24.52			
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69			
5	QPSK	12	7	23.64	23.62	23.64	24.5	1	
5	QPSK	12	13	23.64	23.65	23.62			
5	QPSK	25	0	23.63	23.61	23.65			
5	16QAM	1	0	23.54	23.49	23.66			
5	16QAM	1	12	23.86	23.67	23.52	24.5	1	
5	16QAM	1	24	23.63	23.68	23.56			
5	16QAM	12	0	22.68	22.55	22.50			
5	16QAM	12	7	22.56	22.54	22.55			
5	16QAM	12	13	22.55	22.75	22.62	23.5	2	
5	16QAM	25	0	22.63	22.71	22.72			
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73			
5	64QAM	1	24	22.78	22.61	22.67	23.5	2	
5	64QAM	12	0	21.59	21.65	21.70			
5	64QAM	12	7	21.67	21.65	21.76			
5	64QAM	12	13	21.57	21.74	21.62			
5	64QAM	25	0	21.56	21.47	21.66	22.5	3	
Channel				37750	38000	38250			
Frequency (MHz)				2570	2595	2620	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59	24.5	1
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57		
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72		
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69	24.5	1
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72		
20	QPSK	100	0	23.71	23.80	23.83	23.69	23.56		
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61	24.5	1
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65		
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70		
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78		
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72	23.5	2
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71		
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54		
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51	23.5	2
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54		
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62		
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70	22.5	3
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43	25.50	0
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39		
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43		
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58	24.5	1
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54		
15	QPSK	36	39	23.68	23.70	23.70	23.61	23.46		
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52		
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56	24.5	1
15	16QAM	1	37	23.58	23.59	23.80	23.54	23.56		
15	16QAM	1	74	23.54	23.64	23.68	23.65	23.51		
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44		
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68	23.5	2
15	16QAM	36	39	22.61	22.62	22.63	22.61	22.49		
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59		
15	64QAM	1	0	22.51	22.66	22.69	22.64	22.64		
15	64QAM	1	37	22.45	22.58	22.50	22.42	22.42	23.5	2
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44		
15	64QAM	36	0	21.57	21.59	21.63	21.00	21.54		
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61		
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52	22.5	3
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53	25.50	0
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57		
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54		
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38		
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57	24.5	1
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52		
10	QPSK	50	0	23.36	23.34	23.69	23.61	23.45		
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63		
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40	24.5	1
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42		
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38		
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.59		
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62	23.5	2
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55		
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.66		
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36		
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38	23.5	2
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52		
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54		
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56		
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.40	22.5	3
Channel				39713	40149	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.32	24.32	24.02	24.58	24.51	25.50	0
5	QPSK	1	12	24.52	24.41	24.58	24.53	24.63		
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66		
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73	24.5	1
5	QPSK	12	7	23.78	23.83	23.88	23.81	23.68		
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64		
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75		
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65	24.5	1
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71		
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62		
5	16QAM	12	0	22.83	22.58	22.73	22.66	22.77		
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.73	23.5	2
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69		
5	16QAM	25	0	22.79	22.84	22.82	22.80	22.68		
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82		
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.68	23.5	2
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65		
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65		
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82		
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67	22.5	3
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71		

GSM850 Ant4 DS12

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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.36	23.16	23.59	24.24
GPRS 4 Tx slots	26.46	26.54	26.45	27.50	23.49	23.54	23.45	24.50
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

GSM1900 Ant4 DS12

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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	28.99	28.96	28.84	30.50	19.99	19.98	19.84	21.50
GPRS 1 Tx slot	29.04	28.89	28.79	30.50	20.04	19.89	19.79	21.50
GPRS 2 Tx slots	26.39	26.52	26.51	27.50	20.39	20.52	20.51	21.50
GPRS 3 Tx slots	24.31	24.38	24.04	25.50	20.05	20.12	19.78	21.24
GPRS 4 Tx slots	22.87	23.10	22.81	24.50	19.87	20.10	19.81	21.50
EDGE 1 Tx slot	24.76	24.91	24.63	26.50	15.76	15.91	15.63	17.50
EDGE 2 Tx slots	22.18	22.25	22.24	24.00	16.18	16.25	16.24	18.00
EDGE 3 Tx slots	19.51	19.57	19.54	21.50	15.25	15.31	15.28	17.24
EDGE 4 Tx slots	19.29	19.04	19.40	20.50	16.29	16.04	16.40	17.50

WCDMA II Ant4 DS12

WCDMA IV Ant4 DS12

WCDMA V Ant4 DS12

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
3GPP Rel 99	1852.4	1860	1907.6		1712.4	1752.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.28	23.34	23.19	24.50	23.75	23.78	23.80	24.50	24.70	24.72	24.71
3GPP Rel 99	RMC 12.2Kbps	23.31	23.36	23.20	24.50	23.73	23.83	23.81	24.50	24.71	24.73	24.68
3GPP Rel 6	HSDPA Subtest-1	22.33	22.38	22.21	23.50	22.83	22.89	22.90	23.50	23.82	23.80	23.72
3GPP Rel 6	HSDPA Subtest-2	22.35	22.36	22.23	23.50	22.87	22.89	22.92	23.50	23.78	23.79	23.71
3GPP Rel 6	HSDPA Subtest-3	21.83	21.85	21.71	23.00	22.35	22.40	22.06	23.00	23.28	23.32	23.16
3GPP Rel 6	HSDPA Subtest-4	21.86	21.86	21.67	23.00	22.32	22.39	22.44	23.00	23.26	22.95	23.21
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.48	22.11	23.50	22.85	22.83	22.84	23.50	23.81	23.88	23.70
3GPP Rel 8	DC-HSDPA Subtest-2	22.25	22.46	22.26	23.50	22.77	22.82	22.81	23.50	23.80	23.76	23.60
3GPP Rel 8	DC-HSDPA Subtest-3	21.78	21.90	21.65	23.00	22.37	22.36	22.01	23.00	23.27	23.22	23.27
3GPP Rel 8	DC-HSDPA Subtest-4	21.96	21.96	21.60	23.00	22.31	22.49	22.50	23.00	23.29	23.00	23.23
3GPP Rel 6	HSUPA Subtest-1	22.31	22.36	22.20	23.50	22.86	22.86	22.90	23.50	23.74	23.72	23.62
3GPP Rel 6	HSUPA Subtest-2	20.25	20.28	20.19	21.50	20.83	20.76	20.79	21.50	21.74	21.70	21.64
3GPP Rel 6	HSUPA Subtest-3	21.29	21.33	21.22	22.50	21.84	21.90	21.88	22.50	22.71	22.73	22.65
3GPP Rel 6	HSUPA Subtest-4	20.30	20.35	20.28	21.50	20.84	20.89	20.87	21.50	21.72	21.77	21.67
3GPP Rel 6	HSUPA Subtest-5	22.30	22.25	22.20	23.50	22.80	22.85	22.90	23.50	23.70	23.65	23.60

Band 2 Ant4 DS12											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	22.21	22.53	22.27	23.5	0			
20	QPSK	1	49	22.31	22.41	22.36					
20	QPSK	1	99	22.26	22.21	22.17					
20	QPSK	50	0	21.37	21.38	21.26	22.5	1			
20	QPSK	50	24	21.35	21.21	21.31					
20	QPSK	50	50	21.29	21.29	21.12					
20	QPSK	100	0	21.30	21.39	21.22	22.5	1			
20	16QAM	1	0	21.45	21.55	21.36					
20	16QAM	1	49	21.61	21.45	21.52					
20	16QAM	1	99	21.31	21.56	21.44	21.5	2			
20	16QAM	50	0	20.75	20.47	20.67					
20	16QAM	50	24	20.69	20.61	20.65					
20	16QAM	50	50	20.66	20.62	20.54	20.5	3			
20	16QAM	100	0	20.62	20.59	20.57					
20	64QAM	1	0	20.44	20.57	20.22					
20	64QAM	1	49	20.22	20.32	20.60	21.5	2			
20	64QAM	1	99	20.29	20.25	20.45					
20	64QAM	50	0	19.40	19.34	19.30					
20	64QAM	50	24	19.46	19.18	19.25	20.5	3			
20	64QAM	50	50	19.38	19.23	19.24					
20	64QAM	100	0	19.38	19.20	19.33					
Channel											
Frequency (MHz)				1867.5	1890	1912.5			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.23	22.31	22.17	23.5	0			
15	QPSK	1	37	22.33	22.22	22.19					
15	QPSK	1	74	22.05	22.13	22.04					
15	QPSK	36	0	21.43	21.25	21.23	22.5	1			
15	QPSK	36	20	21.36	21.19	21.29					
15	QPSK	36	39	21.26	21.20	21.26					
15	QPSK	75	0	21.30	21.23	21.30	22.5	1			
15	16QAM	1	0	21.49	21.47	21.28					
15	16QAM	1	37	21.25	21.56	21.39					
15	16QAM	1	74	21.30	21.41	21.34	21.5	2			
15	16QAM	36	0	20.34	20.35	20.31					
15	16QAM	36	20	20.46	20.36	20.35					
15	16QAM	36	39	20.29	20.25	20.20	21.5	2			
15	16QAM	75	0	20.40	20.26	20.21					
15	64QAM	1	0	20.40	20.32	20.45					
15	64QAM	1	37	20.33	20.10	20.10	21.5	2			
15	64QAM	1	74	20.27	20.35	20.29					
15	64QAM	36	0	19.39	19.29	19.35					
15	64QAM	36	20	19.37	19.16	19.26	20.5	3			
15	64QAM	36	39	19.28	19.25	19.27					
15	64QAM	75	0	19.45	19.21	19.25					
Channel											
Frequency (MHz)				1865	1880	1905			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.36	22.42	22.41	23.5	0			
10	QPSK	1	25	22.35	22.34	22.46					
10	QPSK	1	49	22.51	22.16	22.45					
10	QPSK	25	0	21.49	21.41	21.38	22.5	1			
10	QPSK	25	12	21.33	21.45	21.41					
10	QPSK	25	25	21.43	21.26	21.38					
10	QPSK	50	0	21.40	21.43	21.44	22.5	1			
10	16QAM	1	0	21.41	21.38	21.28					
10	16QAM	1	25	21.17	21.36	21.33					
10	16QAM	1	49	21.15	21.13	21.30	21.5	2			
10	16QAM	25	0	20.57	20.51	20.48					
10	16QAM	25	12	20.47	20.34	20.39					
10	16QAM	25	25	20.48	20.46	20.32	21.5	2			
10	16QAM	50	0	20.53	20.38	20.37					
10	64QAM	1	0	20.48	20.45	20.55					
10	64QAM	1	25	20.40	20.57	20.65	21.5	2			
10	64QAM	1	49	20.30	20.50	20.36					
10	64QAM	25	0	19.46	19.46	19.33					
10	64QAM	25	12	19.54	19.38	19.44	20.5	3			
10	64QAM	25	25	19.40	19.37	19.39					
10	64QAM	50	0	19.47	19.40	19.47					
Channel											
Frequency (MHz)				1852.5	1890	1917.5			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.32	22.31	22.12	23.5	0			
5	QPSK	1	12	22.13	22.30	22.24					
5	QPSK	1	24	22.42	22.19	22.22					
5	QPSK	12	0	21.49	21.53	21.40	22.5	1			
5	QPSK	12	7	21.41	21.51	21.41					
5	QPSK	12	13	21.35	21.37	21.26					
5	QPSK	25	0	21.56	21.35	21.29	22.5	1			
5	16QAM	1	0	21.53	21.49	21.44					
5	16QAM	1	12	21.49	21.39	21.59					
5	16QAM	1	24	21.24	21.51	21.36	21.5	2			
5	16QAM	12	0	20.49	20.54	20.43					
5	16QAM	12	7	20.62	20.47	20.57					
5	16QAM	12	13	20.43	20.43	20.28	21.5	2			
5	16QAM	25	0	20.50	20.48	20.30					
5	64QAM	1	0	19.97	20.18	20.12					
5	64QAM	1	12	19.92	20.14	19.93	21.5	2			
5	64QAM	1	24	20.00	19.63	20.09					
5	64QAM	12	0	19.54	19.69	19.40					
5	64QAM	12	7	19.43	19.49	19.44	20.5	3			
5	64QAM	12	13	19.49	19.30	19.34					
5	64QAM	25	0	19.36	19.37	19.27					
Channel											
Frequency (MHz)				1861.5	1890	1918.5			Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.42	22.48	22.40	23.5	0			
3	QPSK	1	8	22.32	22.28	22.48					
3	QPSK	1	14	22.25	22.24	22.14					
3	QPSK	8	0	21.59	21.48	21.50	22.5	1			
3	QPSK	8	4	21.67	21.47	21.38					
3	QPSK	8	7	21.41	21.38	21.25					
3	QPSK	15	0	21.44	21.50	21.37	22.5	1			
3	16QAM	1	0	21.45	21.50	21.36					
3	16QAM	1	8	21.49	21.44	21.68					
3	16QAM	1	14	21.69	21.69	21.51	21.5	2			
3	16QAM	8	0	20.71	20.45	20.47					
3	16QAM	8	4	20.53	20.67	20.35					
3	16QAM	8	7	20.52	20.49	20.35	21.5	2			
3	16QAM	15	0	20.46	20.38	20.34					
3	64QAM	1	0	20.61	20.65	20.34					
3	64QAM	1	8	20.29	20.64	20.50	21.5	2			
3	64QAM	1	14	20.49	20.37	20.42					
3	64QAM	8	0	19.39	19.52	19.44					
3	64QAM	8	4	19.43	19.48	19.12	20.5	3			
3	64QAM	8	7	19.49	19.36	19.41					
3	64QAM	15	0	19.40	19.35	19.44					
Channel											
Frequency (MHz)				1850 <th>1880</th> <th>1909.3</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	1880	1909.3			Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.04	22.32	22.13	23.5	0			
1.4	QPSK	1	3	22.38	22.28	22.24					
1.4	QPSK	1	5	22.19	22.04	22.25					
1.4	QPSK	3	0	22.24	22.33	22.26	22.5	1			
1.4	QPSK	3	1	22.28	22.22	22.30					
1.4	QPSK	3	3	22.28	22.19	22.08					
1.4	QPSK	6	0	21.38	21.42	21.31	22.5	1			
1.4	16QAM	1	0	21.25	21.50	21.30					
1.4	16QAM	1	5	21.40	21.25	21.23					
1.4	16QAM	1	5	21.20	21.39	21.20	22.5	1			
1.4	16QAM	3	0	21.46	21.49	21.23					
1.4	16QAM	3	1	21.55	21.34	21.19					
1.4	16QAM	3	3	21.33	21.40	21.43	21.5	2			
1.4	16QAM	6	0	20.25	20.34	20.30					
1.4	64QAM	1	0	20.40	20.47	20.27					
1.4	64QAM	1	3	20.28	20.27	20.33	21.5	2			
1.4	64QAM	1	5	20.28	20.39	20.15					
1.4	64QAM	3	0	20.58	20.39	20.47					
1.4	64QAM	3	1	20.49	20.58	20.30	20.5				

Band 7 Ant4 DS12									
BW [MHz]	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	23.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.56	22.67	22.35	23.5	0	
20	QPSK	1	49	22.35	22.46	22.34			
20	QPSK	1	99	22.38	22.46	22.42			
20	QPSK	50	0	21.38	21.65	21.42			
20	QPSK	50	24	21.46	21.49	21.56	22.5	1	
20	QPSK	50	50	21.47	21.55	21.49			
20	QPSK	100	0	21.45	21.52	21.40			
20	16QAM	1	0	21.71	21.79	21.83			
20	16QAM	1	49	21.91	21.97	21.91	22.5	1	
20	16QAM	1	99	21.98	21.75	21.83			
20	16QAM	50	0	20.40	20.49	20.43			
20	16QAM	50	24	20.48	20.45	20.44			
20	16QAM	50	50	20.57	20.53	20.63	21.5	2	
20	16QAM	100	0	20.50	20.54	20.50			
20	64QAM	1	0	20.61	20.55	20.48			
20	64QAM	1	49	20.47	20.51	20.77			
20	64QAM	1	99	20.58	20.77	20.78	21.5	2	
20	64QAM	50	0	19.35	19.43	19.44			
20	64QAM	50	24	19.54	19.44	19.80			
20	64QAM	50	50	19.49	19.50	19.68		20.5	
20	64QAM	100	0	19.59	19.48	19.50			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.5	0	
15	QPSK	1	0	22.34	22.62	22.28			
15	QPSK	1	37	22.37	22.32	22.56	22.5	1	
15	QPSK	1	74	22.44	22.45	22.43			
15	QPSK	36	0	21.47	21.58	21.50			
15	QPSK	36	20	21.48	21.46	21.51			
15	QPSK	36	39	21.49	21.51	21.58	22.5	1	
15	QPSK	75	0	21.56	21.49	21.54			
15	16QAM	1	0	21.49	21.79	21.72			
15	16QAM	1	37	21.52	21.48	21.49		22.5	
15	16QAM	1	74	21.59	21.50	21.70			
15	16QAM	36	0	20.50	20.40	20.56			
15	16QAM	36	20	20.46	20.43	20.59	21.5	2	
15	16QAM	36	39	20.57	20.55	20.82			
15	16QAM	75	0	20.51	20.48	20.81			
15	64QAM	1	0	20.45	20.59	20.73			
15	64QAM	1	37	20.58	20.64	20.81	21.5	2	
15	64QAM	1	74	20.47	20.75	20.62			
15	64QAM	36	0	19.47	19.50	19.53			
15	64QAM	36	20	19.45	19.52	19.49		20.5	
15	64QAM	36	39	19.55	19.56	19.58			
15	64QAM	75	0	19.44	19.38	19.50			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.5	0	
10	QPSK	1	0	22.32	22.65	22.40			
10	QPSK	1	25	22.46	22.51	22.66	22.5	1	
10	QPSK	1	49	22.43	22.58	22.52			
10	QPSK	25	0	21.64	21.56	21.63			
10	QPSK	25	12	21.53	21.67	21.69			
10	QPSK	25	25	21.57	21.75	21.82	22.5	1	
10	QPSK	50	0	21.56	21.55	21.64			
10	16QAM	1	0	21.59	21.55	21.44			
10	16QAM	1	25	21.76	21.85	21.53			
10	16QAM	1	49	21.72	21.70	21.68	21.5	2	
10	16QAM	25	0	20.58	20.58	20.42			
10	16QAM	25	12	20.59	20.46	20.28			
10	16QAM	25	25	20.52	20.40	20.80			
10	16QAM	50	0	20.59	20.56	20.70	21.5	2	
10	64QAM	1	0	20.47	20.55	20.31			
10	64QAM	1	25	20.57	20.34	20.54			
10	64QAM	1	49	20.45	20.38	20.56			
10	64QAM	25	0	19.58	19.46	19.88	20.5	3	
10	64QAM	25	12	19.66	19.72	19.76			
10	64QAM	25	25	19.65	19.71	19.76			
10	64QAM	50	0	19.57	19.43	19.70			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.5	0	
5	QPSK	1	0	22.45	22.62	22.54			
5	QPSK	1	12	22.33	22.38	22.47	22.5	1	
5	QPSK	1	24	22.55	22.62	22.58			
5	QPSK	12	0	21.51	21.58	21.64			
5	QPSK	12	7	21.69	21.67	21.77			
5	QPSK	12	13	21.64	21.65	21.77	22.5	1	
5	QPSK	25	0	21.56	21.66	21.79			
5	16QAM	1	0	21.62	21.66	21.50			
5	16QAM	1	12	21.42	21.74	21.69			
5	16QAM	1	24	21.74	21.80	21.51	21.5	2	
5	16QAM	12	0	20.57	20.43	20.77			
5	16QAM	12	7	20.72	20.71	20.75			
5	16QAM	12	13	20.74	20.79	20.68			
5	16QAM	25	0	20.57	20.58	20.74	21.5	2	
5	64QAM	1	0	20.56	20.47	20.74			
5	64QAM	1	12	20.69	20.61	20.53			
5	64QAM	1	24	20.78	20.74	20.61			
5	64QAM	12	0	19.53	19.57	19.56	20.5	3	
5	64QAM	12	7	19.56	19.52	19.68			
5	64QAM	12	13	19.46	19.72	19.59			
5	64QAM	25	0	19.49	19.55	19.82			

Band 12 Ant4 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.58	24.76	24.57	25.5	0	
10	QPSK	1	25	24.54	24.54	24.37			
10	QPSK	1	49	24.58	24.60	24.61			
10	QPSK	25	0	23.57	23.78	23.63			
10	QPSK	25	12	23.76	23.61	23.47	24.5	1	
10	QPSK	25	25	23.65	23.61	23.55			
10	QPSK	50	0	23.70	23.73	23.68			
10	16QAM	1	0	24.13	23.82	23.76			
10	16QAM	1	25	23.76	24.06	23.74	24.5	1	
10	16QAM	1	49	23.75	23.83	24.08			
10	16QAM	25	0	22.66	22.56	22.56			
10	16QAM	25	12	22.81	22.75	22.50			
10	16QAM	25	25	22.69	22.58	22.60	23.5	2	
10	16QAM	50	0	22.70	22.65	22.66			
10	64QAM	1	0	22.71	22.72	22.66			
10	64QAM	1	25	22.59	22.75	22.63			
10	64QAM	1	49	22.61	22.88	22.61	23.5	2	
10	64QAM	25	0	21.69	21.62	21.56			
10	64QAM	25	12	21.79	21.82	21.72			
10	64QAM	25	25	21.64	21.59	21.73			
10	64QAM	50	0	21.71	21.56	21.49	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.50	24.75	24.70	25.5	0	
5	QPSK	1	12	24.71	24.68	24.61			
5	QPSK	1	24	24.72	24.74	24.66			
5	QPSK	12	0	23.79	23.81	23.78			
5	QPSK	12	7	23.77	23.83	23.79	24.5	1	
5	QPSK	12	13	23.89	23.80	23.72			
5	QPSK	25	0	23.86	23.75	23.77			
5	16QAM	1	0	23.63	23.78	23.65			
5	16QAM	1	12	23.86	23.77	23.83	24.5	1	
5	16QAM	1	24	23.73	23.87	23.86			
5	16QAM	12	0	22.76	22.82	22.72			
5	16QAM	12	7	22.77	22.86	22.98			
5	16QAM	12	13	22.67	22.79	22.75	23.5	2	
5	16QAM	25	0	22.86	22.72	22.67			
5	64QAM	1	0	23.07	22.89	23.02			
5	64QAM	1	12	22.75	22.90	22.98			
5	64QAM	1	24	22.81	23.07	23.10	23.5	2	
5	64QAM	12	0	21.86	21.75	21.69			
5	64QAM	12	7	22.02	21.74	21.85			
5	64QAM	12	13	21.73	21.85	21.69			
5	64QAM	25	0	21.78	21.73	21.68	22.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.54	24.72	24.55	25.5	0	
3	QPSK	1	8	24.64	24.66	24.50			
3	QPSK	1	14	24.75	24.45	24.58			
3	QPSK	8	0	23.71	23.65	23.67			
3	QPSK	8	4	23.77	23.70	23.63	24.5	1	
3	QPSK	8	7	23.79	23.65	23.68			
3	QPSK	15	0	23.74	23.62	23.55			
3	16QAM	1	0	23.42	23.79	23.62			
3	16QAM	1	8	23.58	23.61	23.72	24.5	1	
3	16QAM	1	14	23.67	23.59	23.78			
3	16QAM	8	0	22.72	22.63	22.46			
3	16QAM	8	4	22.85	22.78	22.79			
3	16QAM	8	7	22.80	22.79	22.69	23.5	2	
3	16QAM	15	0	22.81	22.63	22.69			
3	64QAM	1	0	22.82	22.81	22.56			
3	64QAM	1	8	22.61	22.75	22.59			
3	64QAM	1	14	22.71	22.82	22.87	23.5	2	
3	64QAM	8	0	21.76	21.67	21.70			
3	64QAM	8	4	21.84	21.85	21.83			
3	64QAM	8	7	21.74	21.54	21.72			
3	64QAM	15	0	21.86	21.62	21.51	22.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	713.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.62	24.70	24.42	25.5	0	
1.4	QPSK	1	3	24.56	24.64	24.60			
1.4	QPSK	1	5	24.48	24.40	24.53			
1.4	QPSK	3	0	24.65	24.57	24.42			
1.4	QPSK	3	1	24.74	24.60	24.58	24.5	1	
1.4	QPSK	3	3	24.53	24.44	24.51			
1.4	QPSK	6	0	23.71	23.50	23.53			
1.4	16QAM	1	0	23.94	23.84	23.64			
1.4	16QAM	1	3	23.65	23.86	23.90	24.5	1	
1.4	16QAM	1	5	23.74	24.01	23.80			
1.4	16QAM	3	0	23.81	23.71	23.66			
1.4	16QAM	3	1	23.67	23.93	23.79			
1.4	16QAM	3	3	23.77	23.65	23.60	23.5	2	
1.4	16QAM	6	0	22.67	22.50	22.46			
1.4	64QAM	1	0	22.84	22.69	22.78			
1.4	64QAM	1	3	23.03	23.09	22.91			
1.4	64QAM	1	5	22.76	22.84	22.88	23.5	2	
1.4	64QAM	3	0	22.74	22.59	22.78			
1.4	64QAM	3	1	22.80	22.88	22.67			
1.4	64QAM	3	3	22.58	22.61	22.60			
1.4	64QAM	6	0	21.60	21.59	21.53	22.5	3	

Band 17 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				705	710	715			
10	QPSK	1	0	24.42	24.74	24.45			
10	QPSK	1	25	24.50	24.45	24.43		25.5	0
10	QPSK	1	49	24.44	24.51	24.60			
10	QPSK	25	0	23.51	23.67	23.50			
10	QPSK	25	12	23.58	23.53	23.58		24.5	1
10	QPSK	25	25	23.62	23.61	23.50			
10	QPSK	50	0	23.62	23.66	23.43			
10	16QAM	1	0	23.63	23.51	23.76		24.5	1
10	16QAM	1	25	23.68	23.64	23.51			
10	16QAM	1	49	23.60	23.70	23.82			
10	16QAM	25	0	22.59	22.58	22.53			
10	16QAM	25	12	22.59	22.43	22.56		23.5	2
10	16QAM	25	25	22.64	22.73	22.61			
10	16QAM	50	0	22.57	22.64	22.48			
10	64QAM	1	0	22.45	22.50	22.54			
10	64QAM	1	25	22.71	22.57	22.59		23.5	2
10	64QAM	1	49	22.52	22.34	22.75			
10	64QAM	25	0	21.43	21.70	21.49			
10	64QAM	25	12	21.65	21.60	21.54		22.5	3
10	64QAM	25	25	21.66	21.55	21.70			
10	64QAM	50	0	21.58	21.52	21.53			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.69	24.67	24.46		25.5	0
5	QPSK	1	12	24.39	24.48	24.37			
5	QPSK	1	24	24.62	24.53	24.41			
5	QPSK	12	0	23.56	23.63	23.52		24.5	1
5	QPSK	12	7	23.64	23.63	23.33			
5	QPSK	12	13	23.56	23.56	23.68			
5	QPSK	25	0	23.62	23.53	23.50			
5	16QAM	1	0	23.71	23.73	23.68		24.5	1
5	16QAM	1	12	23.54	23.38	23.69			
5	16QAM	1	24	23.44	23.51	23.42			
5	16QAM	12	0	22.64	22.73	22.66		23.5	2
5	16QAM	12	7	22.63	22.71	22.65			
5	16QAM	12	13	22.58	22.69	22.50			
5	16QAM	25	0	22.78	22.88	22.80			
5	64QAM	1	0	22.57	22.55	22.73		23.5	2
5	64QAM	1	12	22.68	22.61	22.45			
5	64QAM	1	24	22.63	22.74	22.82			
5	64QAM	12	0	21.68	21.77	21.50		22.5	3
5	64QAM	12	7	21.55	21.81	21.45			
5	64QAM	12	13	21.67	21.63	21.78			
5	64QAM	25	0	21.59	21.43	21.58			

Band 26 Ant4 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.42	24.48	24.38		25.5	0
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26		24.5	1
15	QPSK	36	20	23.30	23.49	23.28			
15	QPSK	36	39	23.31	23.28	23.36			
15	QPSK	75	0	23.39	23.49	23.43			
15	16QAM	1	0	23.35	23.48	23.38		24.5	1
15	16QAM	1	37	23.34	23.36	23.34			
15	16QAM	1	74	23.29	23.46	23.19			
15	16QAM	36	0	22.44	22.38	22.28		23.5	2
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17			
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.54	22.38		23.5	2
15	64QAM	1	37	22.21	22.35	22.20			
15	64QAM	1	74	22.33	22.41	22.31			
15	64QAM	36	0	21.43	21.55	21.49		22.5	3
15	64QAM	36	20	21.33	21.32	21.35			
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35		25.5	0
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.07			
10	QPSK	25	0	23.39	23.39	23.46		24.5	1
10	QPSK	25	12	23.23	23.44	23.23			
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32			
10	16QAM	1	0	23.35	23.32	23.20		24.5	1
10	16QAM	1	25	23.18	23.18	23.18			
10	16QAM	1	49	23.09	23.42	23.07			
10	16QAM	25	0	22.40	22.18	22.21		23.5	2
10	16QAM	25	12	22.31	22.35	22.07			
10	16QAM	25	25	22.27	22.19	22.09			
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.39	22.26		23.5	2
10	64QAM	1	25	22.04	22.27	22.15			
10	64QAM	1	49	22.13	22.33	22.14			
10	64QAM	25	0	21.41	21.38	21.39		22.5	3
10	64QAM	25	12	21.29	21.16	21.20			
10	64QAM	25	25	21.26	21.28	21.16			
10	64QAM	50	0	21.16	21.43	21.34			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22		25.5	0
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22		24.5	1
5	QPSK	12	7	23.29	23.45	23.32			
5	QPSK	12	13	23.16	23.19	23.29			
5	QPSK	25	0	23.30	23.37	23.54			
5	16QAM	1	0	23.24	23.32	23.39		24.5	1
5	16QAM	1	12	23.22	23.34	23.37			
5	16QAM	1	24	23.12	23.33	23.12			
5	16QAM	12	0	22.30	22.41	22.28		23.5	2
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08			
5	16QAM	25	0	22.49	22.30	22.23		23.5	2
5	64QAM	1	0	22.31	22.51	22.24			
5	64QAM	1	12	22.27	22.31	22.23			
5	64QAM	1	24	22.20	22.38	22.25			
5	64QAM	12	0	21.34	21.43	21.49		22.5	3
5	64QAM	12	7	21.32	21.32	21.40			
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42		25.5	0
3	QPSK	1	8	24.21	24.14	24.37			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31		24.5	1
3	QPSK	8	4	23.21	23.49	23.12			
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33		24.5	1
3	16QAM	1	0	23.23	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39			
3	16QAM	1	14	23.24	23.41	23.22		23.5	2
3	16QAM	8	0	22.38	22.30	22.20			
3	16QAM	8	4	22.28	22.19	22.07			
3	16QAM	8	7	22.28	22.24	22.17			
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.37	22.40		23.5	2
3	64QAM	1	8	22.26	22.23	22.13			
3	64QAM	1	14	22.34	22.36	22.22			
3	64QAM	8	0	21.40	21.41	21.55		22.5	3
3	64QAM	8	4	21.19	21.21	21.22			
3	64QAM	8	7	21.43	21.28	21.24			
3	64QAM	15	0	21.34	21.40	21.43			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31		25.5	0
1.4	QPSK	1	3	24.25	24.29	24.28			
1.4	QPSK	1	5	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28			
1.4	QPSK	3	1	24.27	24.41	24.26		24.5	1
1.4	QPSK	3	1	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28		24.5	1
1.4	16QAM	1	0	23.33	23.35	23.15		24.5	1
1.4	16QAM	1	3	23.17	23.20	23.16			
1.4	16QAM	1	5	23.02	23.21	23.06			
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06		23.5	2
1.4	16QAM	3	3	23.31	23.18	23.06			
1.4	16QAM	6	0	22.47	22.33	22.18		23.5	2
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17			
1.4	64QAM	1	5	22.26	22.38	22.04		23.5	2
1.4	64QAM	3	0	22.39	22.36	22.26			
1.4	64QAM	3	1	22.34	22.45	22.26			
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18		22.5	3

Band 38 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	23.5	0	
20	QPSK	1	0	22.63	22.85	22.64			
20	QPSK	1	49	22.71	22.57	22.79			
20	QPSK	1	99	22.67	22.55	22.54			
20	QPSK	50	0	21.54	21.74	21.65	22.5	1	
20	QPSK	50	24	21.66	21.66	21.70			
20	QPSK	50	50	21.57	21.60	21.70			
20	QPSK	100	0	21.63	21.76	21.68			
20	16QAM	1	0	21.63	21.75	21.69	22.5	1	
20	16QAM	1	49	21.70	21.73	21.76			
20	16QAM	1	99	21.67	21.69	21.60			
20	16QAM	50	0	20.54	20.72	20.62			
20	16QAM	50	24	20.64	20.72	20.81	21.5	2	
20	16QAM	50	50	20.59	20.80	20.78			
20	16QAM	100	0	20.64	20.62	20.74			
20	64QAM	1	0	20.84	20.88	20.81			
20	64QAM	1	49	20.96	20.92	20.88	21.5	2	
20	64QAM	1	99	20.86	20.73	20.71			
20	64QAM	50	0	19.70	19.71	19.71			
20	64QAM	50	24	19.83	19.80	19.82			
20	64QAM	50	50	19.66	19.89	19.87	20.5	3	
20	64QAM	50	99	19.82	19.89	19.94			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.48	22.63	22.49	23.5	0	
15	QPSK	1	37	22.70	22.69	22.68			
15	QPSK	1	74	22.67	22.63	22.48			
15	QPSK	36	0	21.60	21.66	21.63			
15	QPSK	36	20	21.68	21.66	21.63	22.5	1	
15	QPSK	36	39	21.62	21.69	21.66			
15	QPSK	75	0	21.61	21.69	21.64			
15	16QAM	1	0	21.63	21.67	21.63			
15	16QAM	1	37	21.69	21.81	21.75	22.5	1	
15	16QAM	1	74	21.64	21.79	21.73			
15	16QAM	36	0	20.54	20.60	20.66			
15	16QAM	36	20	20.62	20.78	20.65			
15	16QAM	36	39	20.65	20.73	20.69	21.5	2	
15	16QAM	75	0	20.67	20.67	20.63			
15	64QAM	1	0	20.79	20.99	20.75			
15	64QAM	1	37	20.82	20.87	20.67			
15	64QAM	1	74	20.77	20.81	20.64	21.5	2	
15	64QAM	36	0	19.72	19.78	19.74			
15	64QAM	36	20	19.90	19.77	19.84			
15	64QAM	36	39	19.83	19.91	19.78			
15	64QAM	75	0	19.84	19.89	19.76	20.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.84	22.52	22.75	23.5	0	
10	QPSK	1	25	22.53	22.66	22.69			
10	QPSK	1	49	22.58	22.68	22.70			
10	QPSK	25	0	21.81	21.77	21.72			
10	QPSK	25	12	21.81	21.78	21.75	22.5	1	
10	QPSK	25	25	21.81	21.77	21.70			
10	QPSK	50	0	21.79	21.74	21.81			
10	16QAM	1	0	21.75	21.78	21.73			
10	16QAM	1	25	21.62	21.92	21.67	22.5	1	
10	16QAM	1	49	21.73	21.76	21.76			
10	16QAM	25	0	20.72	20.86	20.80			
10	16QAM	25	12	20.82	20.86	20.84			
10	16QAM	25	25	20.81	20.86	20.79	21.5	2	
10	16QAM	50	0	20.76	20.74	20.69			
10	64QAM	1	0	20.64	20.75	20.69			
10	64QAM	1	25	20.69	20.90	20.56			
10	64QAM	1	49	20.81	20.83	20.53	21.5	2	
10	64QAM	25	0	19.76	19.64	19.74			
10	64QAM	25	12	19.68	19.81	19.78			
10	64QAM	25	25	19.77	19.73	19.74			
10	64QAM	50	0	19.72	19.77	19.75	20.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.71	22.69	22.82	23.5	0	
5	QPSK	1	12	22.76	22.54	22.56			
5	QPSK	1	24	22.59	22.81	22.53			
5	QPSK	12	0	21.80	21.77	21.80			
5	QPSK	12	7	21.77	21.73	21.75	22.5	1	
5	QPSK	12	13	21.68	21.82	21.73			
5	QPSK	25	0	21.76	21.83	21.75			
5	16QAM	1	0	21.67	21.75	21.77			
5	16QAM	1	12	21.51	21.76	21.89	22.5	1	
5	16QAM	1	24	21.63	21.79	22.01			
5	16QAM	12	0	20.64	20.61	20.84			
5	16QAM	12	7	20.73	20.76	20.79			
5	16QAM	12	13	20.72	20.76	20.85	21.5	2	
5	16QAM	25	0	20.70	20.74	20.84			
5	64QAM	1	0	20.77	20.54	20.58			
5	64QAM	1	12	20.77	20.64	20.67			
5	64QAM	1	24	20.79	20.85	20.66	21.5	2	
5	64QAM	12	0	19.75	19.72	19.72			
5	64QAM	12	7	19.83	19.79	19.79			
5	64QAM	12	13	19.71	19.76	19.85			
5	64QAM	25	0	19.72	19.61	19.88	20.5	3	

Band 41 Ant4 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.53	22.57	22.89	22.68	22.68	23.5	0
20	QPSK	1	49	22.69	22.76	22.70	22.71	22.52		
20	QPSK	1	99	22.56	22.52	22.73	22.64	22.59		
20	QPSK	50	0	21.69	21.72	21.88	21.69	21.76		
20	QPSK	50	24	21.67	21.80	21.79	21.69	21.61	22.5	1
20	QPSK	50	50	21.68	21.74	21.80	21.74	21.63		
20	QPSK	100	0	21.71	21.79	21.85	21.79	21.79		
20	16QAM	1	0	21.71	21.84	21.94	21.86	21.93		
20	16QAM	1	49	21.77	21.84	21.88	21.86	21.83	22.5	1
20	16QAM	1	99	21.61	21.76	21.82	21.77	21.81		
20	16QAM	50	0	20.57	20.68	20.86	20.84	20.69		
20	16QAM	50	24	20.72	20.87	20.88	20.76	20.82		
20	16QAM	50	50	20.76	20.80	20.87	20.84	20.86	21.5	2
20	16QAM	100	0	20.71	20.78	20.88	20.81	20.75		
20	64QAM	1	0	20.58	20.61	20.79	20.71	20.98		
20	64QAM	1	49	20.65	20.70	20.85	20.60	20.68		
20	64QAM	1	99	20.59	20.77	20.79	20.64	20.59	21.5	2
20	64QAM	50	0	19.61	19.73	19.72	19.68	19.74		
20	64QAM	50	24	19.67	19.83	19.84	19.79	19.76		
20	64QAM	50	50	19.70	19.75	19.83	19.67	19.63		
20	64QAM	100	0	19.82	19.82	19.92	19.73	19.69		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	22.54	22.56	22.78	22.77	22.68	23.50	0
15	QPSK	1	37	22.57	22.49	22.75	22.50	22.59		
15	QPSK	1	74	22.54	22.68	22.77	22.63	22.37		
15	QPSK	36	0	21.65	21.75	21.81	21.74	21.75		
15	QPSK	36	20	21.73	21.69	21.90	21.69	21.71	22.5	1
15	QPSK	36	39	21.68	21.76	21.84	21.75	21.80		
15	QPSK	75	0	21.72	21.81	21.91	21.69	21.63		
15	16QAM	1	0	21.78	21.79	21.93	21.91	21.73		
15	16QAM	1	37	21.74	21.73	21.82	21.65	21.79	22.5	1
15	16QAM	1	74	21.71	21.74	21.85	21.76	21.74		
15	16QAM	36	0	20.60	20.66	20.85	20.76	20.65		
15	16QAM	36	20	20.68	20.72	20.84	20.80	20.70		
15	16QAM	36	39	20.63	20.80	20.90	20.76	20.79	21.5	2
15	16QAM	75	0	20.73	20.88	20.92	20.76	20.76		
15	64QAM	1	0	20.69	20.81	20.91	20.80	20.88		
15	64QAM	1	37	20.53	20.52	20.72	20.50	20.82		
15	64QAM	1	74	20.67	20.72	20.83	20.72	20.60	21.5	2
15	64QAM	36	0	19.55	19.72	19.79	19.79	19.76		
15	64QAM	36	20	19.70	19.76	19.89	19.82	19.73		
15	64QAM	36	39	19.76	19.74	19.92	19.78	19.81		
15	64QAM	75	0	19.72	19.78	19.91	19.81	19.67	20.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.85	22.70	22.87	22.63	22.58	23.50	0
10	QPSK	1	25	22.84	22.75	22.83	22.74	22.82		
10	QPSK	1	49	22.76	22.87	22.75	22.87	22.71		
10	QPSK	25	0	21.77	21.81	21.85	21.76	21.74		
10	QPSK	25	12	21.85	21.96	21.95	21.81	21.90	22.5	1
10	QPSK	25	25	21.71	21.84	22.02	21.87	21.95		
10	QPSK	50	0	21.91	21.93	22.02	21.90	21.80		
10	16QAM	1	0	21.88	21.89	21.95	22.06	22.06		
10	16QAM	1	25	21.94	22.00	21.94	21.75	22.12	22.5	1
10	16QAM	1	49	21.77	21.92	21.95	21.92	21.88		
10	16QAM	25	0	20.87	20.88	20.94	20.83	20.87		
10	16QAM	25	12	20.87	20.95	20.95	21.00	20.86		
10	16QAM	25	25	20.92	20.93	21.03	20.90	20.80	21.5	2
10	16QAM	50	0	20.92	21.01	21.01	20.93	20.85		
10	64QAM	1	0	20.85	20.85	21.01	20.83	21.04		
10	64QAM	1	25	20.75	20.78	21.01	20.73	20.75		
10	64QAM	1	49	20.73	20.81	20.94	20.76	20.92	21.5	2
10	64QAM	25	0	19.83	19.93	19.91	19.89	19.82		
10	64QAM	25	12	19.81	20.00	19.91	19.84	19.79		
10	64QAM	25	25	19.76	19.99	20.00	19.95	19.85		
10	64QAM	50	0	19.79	19.97	19.95	19.77	19.88		
Channel				39713	40143	40620	41093	41555		
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	22.63	22.80	22.80	22.61	22.86	23.50	0
5	QPSK	1	12	22.61	22.74	22.67	22.81	22.71		
5	QPSK	1	24	22.84	22.58	22.58	22.73	22.83		
5	QPSK	12	0	21.83	21.71	22.01	21.88	21.94		
5	QPSK	12	7	21.78	21.87	22.06	21.91	21.99	22.5	1
5	QPSK	12	13	21.76	21.84	21.97	21.85	21.89		
5	QPSK	25	0	21.78	21.86	21.97	21.90	21.70		
5	16QAM	1	0	21.81	21.87	21.81	21.83	21.71		
5	16QAM	1	12	21.86	21.95	21.83	21.79	21.83	22.5	1
5	16QAM	1	24	21.74	22.14	21.92	21.93	22.07		
5	16QAM	12	0	20.80	20.76	20.79	20.80	20.73		
5	16QAM	12	7	20.85	20.81	21.02	20.94	20.89		
5	16QAM	12	13	20.81	20.87	20.91	20.87	20.89	21.5	2
5	16QAM	25	0	20.80	20.86	20.99	20.86	20.86		
5	64QAM	1	0	20.90	21.07	20.99	20.92	20.95		
5	64QAM	1	12	20.79	20.80	20.98	20.84	20.68		
5	64QAM	1	24	20.80	20.87	21.03	20.96	21.09	21.5	2
5	64QAM	12	0	19.80	19.85	19.96	19.79	19.81		
5	64QAM	12	7	19.85	19.91	20.03	19.94	19.97		
5	64QAM	12	13	19.81	19.97	20.02	19.98	19.96		
5	64QAM	25	0	19.76	19.81	19.95	19.83	19.88	20.5	3

GSM850 Ant0 DS14

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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

GSM1900 Ant0 DS14

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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	27.66	27.81	27.69	28.50	18.66	18.81	18.69	19.50
GPRS 1 Tx slot	27.69	27.75	27.67	28.50	18.69	18.75	18.67	19.50
GPRS 2 Tx slots	27.16	27.20	27.12	27.50	21.16	21.20	21.12	21.50
GPRS 3 Tx slots	24.05	24.08	24.09	24.50	19.79	19.80	19.83	20.24
GPRS 4 Tx slots	23.07	23.15	23.08	24.50	20.07	20.15	20.08	21.50
EDGE 1 Tx slot	23.04	23.09	23.08	23.50	14.04	14.09	14.08	14.50
EDGE 2 Tx slots	23.04	23.01	22.99	23.50	17.04	17.01	16.99	17.50
EDGE 3 Tx slots	20.59	20.36	20.63	21.50	16.33	16.10	16.37	17.24
EDGE 4 Tx slots	19.27	19.03	19.18	19.50	16.27	16.03	16.18	16.50

WCDMA II Ant0 DS14

WCDMA IV Ant0 DS14

WCDMA V Ant0 DS14

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1852.4	1880	1907.6	(dBm)	1712.4	1752.6	1752.6	(dBm)	826.4	836.4	846.8	(dBm)
3GPP Rel 99 AMR 12.2Kbps	21.24	21.23	21.12	22.50	22.47	22.58	22.56	23.50	24.71	24.74	24.72	25.50
3GPP Rel 99 RMC 12.2Kbps	21.30	21.33	21.14	22.50	22.49	22.65	22.63	23.50	24.75	24.76	24.69	25.50
3GPP Rel 6 HSDPA Subtest-1	20.30	20.23	19.99	21.50	21.62	21.64	21.63	22.50	23.76	23.81	23.54	24.50
3GPP Rel 6 HSDPA Subtest-2	20.34	20.24	20.01	21.50	21.59	21.66	21.68	22.50	23.82	23.69	23.58	24.50
3GPP Rel 6 HSDPA Subtest-3	19.79	19.78	19.56	21.00	21.07	21.10	21.08	22.00	23.33	23.29	23.20	24.00
3GPP Rel 6 HSDPA Subtest-4	19.80	19.75	19.52	21.00	21.12	21.15	21.11	22.00	23.32	23.34	23.22	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	20.32	20.20	19.93	21.50	21.56	21.52	21.57	22.50	23.82	23.87	23.56	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	20.31	20.24	19.99	21.50	21.41	21.53	21.49	22.50	23.87	23.74	23.56	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	19.79	19.70	19.46	21.00	20.93	21.03	21.01	22.00	23.37	23.30	23.21	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	19.76	19.71	19.44	21.00	21.00	21.01	20.99	22.00	23.38	23.31	23.18	24.00
3GPP Rel 6 HSUPA Subtest-1	20.30	20.24	20.10	21.50	21.55	21.60	21.63	22.50	23.69	23.75	23.66	24.50
3GPP Rel 6 HSUPA Subtest-2	18.31	18.25	18.17	19.50	19.59	19.65	19.62	20.50	21.78	21.79	21.67	22.50
3GPP Rel 6 HSUPA Subtest-3	19.32	19.24	19.22	20.50	20.62	20.54	20.61	21.50	22.80	22.77	22.64	23.50
3GPP Rel 6 HSUPA Subtest-4	18.34	18.21	18.13	19.50	19.56	19.59	19.52	20.50	21.73	21.78	21.70	22.50
3GPP Rel 6 HSUPA Subtest-5	20.30	20.20	20.16	21.50	21.51	21.58	21.68	22.50	23.78	23.74	23.40	24.50

Band 2 Ant0 DSI4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1860	1900						
20	QPSK	1	0	19.56	19.66	19.47	20.5	0				
20	QPSK	1	49	19.61	19.61	19.41						
20	QPSK	1	99	19.49	19.46	19.31						
20	QPSK	50	0	19.39	19.46	19.28						
20	QPSK	50	24	19.28	19.45	19.26	20.5	0				
20	QPSK	50	50	19.24	19.31	19.13						
20	QPSK	100	0	19.25	19.41	19.27						
20	16QAM	1	0	19.32	19.26	19.13						
20	16QAM	1	49	19.26	19.21	19.10	20.5	0				
20	16QAM	1	99	19.16	19.08	18.98						
20	16QAM	50	0	19.47	19.41	19.29						
20	16QAM	50	24	19.47	19.32	19.29						
20	16QAM	50	50	19.36	19.27	19.15	20.5	0				
20	16QAM	100	0	19.43	19.29	19.26						
20	64QAM	1	0	19.52	19.57	19.43						
20	64QAM	1	49	19.50	19.49	19.25						
20	64QAM	1	99	19.33	19.43	19.27	20.5	0				
20	64QAM	50	0	19.48	19.40	19.30						
20	64QAM	50	24	19.46	19.29	19.30						
20	64QAM	50	50	19.31	19.25	19.13						
20	64QAM	100	0	19.42	19.28	19.26	20.5	0				
Channel												
Frequency (MHz)				1867.5	18900	19125				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	18800	19000	1902.5					
15	QPSK	1	0	19.61	19.52	19.35	20.5	0				
15	QPSK	1	37	19.48	19.53	19.34						
15	QPSK	1	74	19.36	19.34	19.19						
15	QPSK	36	0	19.29	19.31	19.18						
15	QPSK	36	20	19.13	19.32	19.15	20.5	0				
15	QPSK	36	39	19.16	19.26	19.02						
15	QPSK	75	0	19.12	19.29	19.15						
15	16QAM	1	0	19.18	19.20	19.06						
15	16QAM	1	37	19.10	19.09	19.02	20.5	0				
15	16QAM	1	74	19.09	19.00	18.89						
15	16QAM	36	0	19.40	19.30	19.19						
15	16QAM	36	20	19.35	19.24	19.21						
15	16QAM	36	39	19.29	19.14	19.09	20.5	0				
15	16QAM	75	0	19.32	19.24	19.13						
15	64QAM	1	0	19.47	19.52	19.32						
15	64QAM	1	37	19.35	19.43	19.14						
15	64QAM	1	74	19.21	19.32	19.19	20.5	0				
15	64QAM	36	0	19.40	19.31	19.22						
15	64QAM	36	20	19.31	19.17	19.25						
15	64QAM	36	39	19.19	19.18	19.04						
15	64QAM	75	0	19.30	19.15	19.22	20.5	0				
Channel												
Frequency (MHz)				18650	18800	19000				19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	18800	19000	1905					
10	QPSK	1	0	19.46	19.51	19.37	20.5	0				
10	QPSK	1	25	19.52	19.51	19.37						
10	QPSK	1	49	19.35	19.32	19.23						
10	QPSK	25	0	19.29	19.42	19.23						
10	QPSK	25	12	19.23	19.32	19.17	20.5	0				
10	QPSK	25	25	19.13	19.22	19.05						
10	QPSK	50	0	19.20	19.31	19.21						
10	16QAM	1	0	19.23	19.17	19.09						
10	16QAM	1	25	19.17	19.09	19.03	20.5	0				
10	16QAM	1	49	19.05	19.03	18.89						
10	16QAM	25	0	19.35	19.28	19.25						
10	16QAM	25	12	19.37	19.17	19.19						
10	16QAM	25	25	19.23	19.22	19.08	20.5	0				
10	16QAM	50	0	19.33	19.15	19.21						
10	64QAM	1	0	19.44	19.45	19.33						
10	64QAM	1	25	19.43	19.44	19.14						
10	64QAM	1	49	19.20	19.32	19.23	20.5	0				
10	64QAM	25	0	19.33	19.30	19.21						
10	64QAM	25	12	19.39	19.14	19.18						
10	64QAM	25	25	19.17	19.17	19.00						
10	64QAM	50	0	19.36	19.21	19.11	20.5	0				
Channel												
Frequency (MHz)				18625	18900	19175				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	18800	1907.5						
5	QPSK	1	0	19.55	19.58	19.35	20.5	0				
5	QPSK	1	12	19.54	19.46	19.34						
5	QPSK	1	24	19.41	19.38	19.22						
5	QPSK	12	0	19.29	19.34	19.19						
5	QPSK	12	7	19.23	19.30	19.18	20.5	0				
5	QPSK	12	13	19.14	19.21	19.02						
5	QPSK	25	0	19.18	19.27	19.20						
5	16QAM	1	0	19.20	19.16	18.98						
5	16QAM	1	12	19.17	19.06	18.99	20.5	0				
5	16QAM	1	24	19.12	18.98	18.86						
5	16QAM	12	0	19.41	19.34	19.17						
5	16QAM	12	7	19.43	19.25	19.14						
5	16QAM	12	13	19.23	19.22	19.00	20.5	0				
5	16QAM	25	0	19.34	19.24	19.12						
5	64QAM	1	0	19.44	19.52	19.37						
5	64QAM	1	12	19.42	19.34	19.25						
5	64QAM	1	24	19.28	19.33	19.22	20.5	0				
5	64QAM	12	0	19.41	19.28	19.15						
5	64QAM	12	7	19.30	19.21	19.16						
5	64QAM	12	13	19.17	19.20	19.27						
5	64QAM	25	0	19.28	19.21	19.11	20.5	0				
Channel												
Frequency (MHz)				18615	18900	19185				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	18800	1908.5						
3	QPSK	1	0	19.45	19.61	19.34	20.5	0				
3	QPSK	1	8	19.56	19.48	19.35						
3	QPSK	1	14	19.41	19.39	19.24						
3	QPSK	8	0	19.35	19.33	19.20						
3	QPSK	8	4	19.17	19.34	19.21	20.5	0				
3	QPSK	8	7	19.18	19.21	19.08						
3	QPSK	15	0	19.17	19.30	19.12						
3	16QAM	1	0	19.20	19.16	19.00						
3	16QAM	1	8	19.14	19.09	19.06	20.5	0				
3	16QAM	1	14	19.00	19.02	18.87						
3	16QAM	8	0	19.39	19.29	19.18						
3	16QAM	8	4	19.42	19.24	19.23						
3	16QAM	8	7	19.29	19.17	19.11	20.5	0				
3	16QAM	15	0	19.37	19.23	19.21						
3	64QAM	1	0	19.43	19.47	19.37						
3	64QAM	1	8	19.38	19.36	19.18						
3	64QAM	1	14	19.18	19.29	19.17	20.5	0				
3	64QAM	8	0	19.35	19.33	19.19						
3	64QAM	8	4	19.36	19.24	19.18						
3	64QAM	8	7	19.23	19.11	19.20						
3	64QAM	15	0	19.24	19.22	19.20	20.5	0				
Channel												
Frequency (MHz)				18507	18900	19183				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18507	18800	1909.3						
1.4	QPSK	1	0	19.42	19.56	19.36	20.5	0				
1.4	QPSK	1	3	19.46	19.49	19.30						
1.4	QPSK	1	5	19.37	19.38	19.23						
1.4	QPSK	3	0	19.30	19.33	19.18						
1.4	QPSK	3	1	19.22	19.29	19.14	20.5	0				
1.4	QPSK	3	3	19.20	19.15	19.04						
1.4	QPSK	6	0	19.13	19.31	19.19						
1.4	16QAM	1	0	19.20	19.01	19.01						
1.4	16QAM	1	3	19.16	19.07	19.01	20.5	0				
1.4	16QAM	1	5	19.05	19.02	18.90						
1.4	16QAM	3	0	19.35	19.27	19.19						
1.4	16QAM	3	1	19.38	19.26	19.18						
1.4	16QAM	3	3	19.24	19.16	19.09	20.5	0				
1.4	16QAM	6	0	19.35	19.14	19.16						
1.4	16QAM	1	0	19.41	19.43	19.13						
1.4	64QAM	1	3	19.43	19.37	19.13						
1.4	64QAM	1	5	19.23	19.32	19.17	20.5	0				
1.4	64QAM	3	0	19.42	19.28	19.19						
1.4	64QAM	3	1	19.32	19.16	19.26						
1.4	64QAM	3	3	19.19	19.17	19.18						
1.4	64QAM	6	0	19.35	19.16	19.17	20.5	0				

Band 7 Ant0 DSI4									
BW [MHz]	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	19.96	20.03	20.14	21	0	
20	QPSK	1	49	19.96	19.93	19.93			
20	QPSK	1	99	20.16	20.03	19.90			
20	QPSK	50	0	19.97	20.17	19.85	21	0	
20	QPSK	50	24	19.92	19.84	19.86			
20	QPSK	50	50	19.91	19.93	19.93			
20	QPSK	100	0	19.90	20.12	19.87	21	0	
20	16QAM	1	0	19.85	19.99	20.00			
20	16QAM	1	49	20.03	20.08	19.96			
20	16QAM	1	99	19.98	20.11	19.82	21	0	
20	16QAM	50	0	19.82	19.84	19.82			
20	16QAM	50	24	19.84	19.88	19.87			
20	16QAM	50	50	19.93	19.96	19.95	21	0	
20	16QAM	100	0	19.92	19.85	19.87			
20	64QAM	1	0	19.60	19.63	19.61	21	0	
20	64QAM	1	49	19.71	19.74	19.75			
20	64QAM	1	99	19.79	19.80	19.74			
20	64QAM	50	0	19.79	19.81	19.83	21	0	
20	64QAM	50	24	19.93	19.85	19.88			
20	64QAM	50	50	19.91	19.94	19.96			
20	64QAM	100	0	19.93	19.85	19.87			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.89	20.08	20.01	21	0	
15	QPSK	1	37	19.90	19.88	19.86			
15	QPSK	1	74	20.09	19.94	19.74			
15	QPSK	36	0	19.89	20.12	19.78	21	0	
15	QPSK	36	20	19.84	19.74	19.77			
15	QPSK	36	39	19.80	19.82	19.82			
15	QPSK	75	0	19.78	20.08	19.83	21	0	
15	16QAM	1	0	19.84	19.84	19.91			
15	16QAM	1	37	19.88	19.92	19.90			
15	16QAM	1	74	19.83	20.05	19.79	21	0	
15	16QAM	36	0	19.86	19.75	19.67			
15	16QAM	36	20	19.85	19.74	19.73			
15	16QAM	36	39	19.89	19.82	19.83	21	0	
15	16QAM	75	0	19.88	19.80	19.75			
15	64QAM	1	0	19.51	19.54	19.46	21	0	
15	64QAM	1	37	19.63	19.69	19.67			
15	64QAM	1	74	19.66	19.71	19.64			
15	64QAM	36	0	19.69	19.71	19.68	21	0	
15	64QAM	36	20	19.81	19.76	19.84			
15	64QAM	36	39	19.81	19.89	19.89			
15	64QAM	75	0	19.83	19.73	19.79			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.90	20.04	19.99	21	0	
10	QPSK	1	25	19.90	19.79	19.84			
10	QPSK	1	49	20.01	19.93	19.79			
10	QPSK	25	0	19.85	20.06	19.78	21	0	
10	QPSK	25	12	19.78	19.75	19.73			
10	QPSK	25	25	19.79	19.84	19.81			
10	QPSK	50	0	19.78	19.97	19.75	21	0	
10	16QAM	1	0	19.84	19.84	19.93			
10	16QAM	1	25	19.94	20.02	19.84			
10	16QAM	1	49	19.93	20.00	19.81	21	0	
10	16QAM	25	0	19.66	19.70	19.66			
10	16QAM	25	12	19.88	19.73	19.78			
10	16QAM	25	25	19.86	19.90	19.85	21	0	
10	16QAM	50	0	19.81	19.71	19.74			
10	64QAM	1	0	19.44	19.52	19.46			
10	64QAM	1	25	19.62	19.61	19.70	21	0	
10	64QAM	1	49	19.74	19.66	19.68			
10	64QAM	25	0	19.67	19.69	19.75			
10	64QAM	25	12	19.78	19.79	19.78	21	0	
10	64QAM	25	25	19.81	19.79	19.90			
10	64QAM	50	0	19.77	19.80	19.81			
Channel				3	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.83	20.03	20.00	21	0	
5	QPSK	1	12	19.88	19.78	19.83			
5	QPSK	1	24	20.11	19.88	19.85			
5	QPSK	12	0	19.88	20.12	19.77	21	0	
5	QPSK	12	7	19.79	19.76	19.73			
5	QPSK	12	13	19.79	19.78	19.78			
5	QPSK	25	0	19.81	20.04	19.75	21	0	
5	16QAM	1	0	19.88	19.86	19.89			
5	16QAM	1	12	19.90	19.97	19.85			
5	16QAM	1	24	19.92	20.00	19.78	21	0	
5	16QAM	12	0	19.74	19.76	19.69			
5	16QAM	12	7	19.81	19.75	19.82			
5	16QAM	12	13	19.82	19.88	19.87	21	0	
5	16QAM	25	0	19.83	19.81	19.75			
5	64QAM	1	0	19.54	19.55	19.49	21	0	
5	64QAM	1	12	19.58	19.61	19.66			
5	64QAM	1	24	19.68	19.75	19.60			
5	64QAM	12	0	19.65	19.69	19.76	21	0	
5	64QAM	12	7	19.77	19.76	19.76			
5	64QAM	12	13	19.76	19.84	19.91			
5	64QAM	25	0	19.84	19.71	19.76			

Band 12 Ant0 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.80	23.68	24.5	1	
10	QPSK	25	12	23.74	23.71	23.80			
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.86	23.80	24.5	1	
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61			
10	16QAM	1	49	23.85	23.76	23.72	23.5	2	
10	16QAM	25	0	22.82	22.73	22.69			
10	16QAM	25	12	22.89	22.69	22.71			
10	16QAM	25	25	22.90	22.85	22.92	22.5	3	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.61	22.57	22.77	23.5	2	
10	64QAM	1	49	22.64	22.70	22.92			
10	64QAM	25	0	21.85	21.66	21.75			
10	64QAM	25	12	21.87	21.75	21.88	22.5	3	
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.80	23.61	23.64	24.5	1	
5	QPSK	12	7	23.71	23.71	23.71			
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59	24.5	1	
5	16QAM	1	0	23.62	23.70	23.52			
5	16QAM	1	12	23.48	23.75	23.71			
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.62			
5	16QAM	12	7	22.89	22.69	22.85			
5	16QAM	12	13	22.81	22.64	22.65	22.5	3	
5	16QAM	25	0	22.73	22.77	22.66			
5	64QAM	1	0	22.73	22.64	22.95			
5	64QAM	1	12	22.76	22.94	22.88	23.5	2	
5	64QAM	1	24	22.70	22.76	22.75			
5	64QAM	12	0	21.79	21.71	21.64			
5	64QAM	12	7	21.81	21.67	21.74	22.5	3	
5	64QAM	12	13	21.68	21.67	21.82			
5	64QAM	25	0	21.60	21.64	21.73			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.57	24.66	24.46	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76	24.5	1	
3	QPSK	8	4	23.76	23.81	23.75			
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.73	23.71	24.5	1	
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66			
3	16QAM	1	14	23.76	23.64	23.68	23.5	2	
3	16QAM	8	0	22.93	22.86	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	8	7	22.97	22.72	22.71	23.5	2	
3	16QAM	15	0	22.79	22.98	22.73			
3	64QAM	1	8	22.85	22.79	22.92			
3	64QAM	1	8	23.07	23.13	22.83	22.5	3	
3	64QAM	1	14	23.00	23.12	22.90			
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76	22.5	3	
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71			
Channel				23015	23095	23175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.5	707.5	715.5			
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.51			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	0	24.47	24.58	24.42	24.5	1	
1.4	QPSK	3	1	24.52	24.51	24.42			
1.4	QPSK	3	3	24.46	24.36	24.41			
1.4	QPSK	6	0	23.49	23.57	23.54	24.5	1	
1.4	16QAM	1	0	23.65	23.62	23.81			
1.4	16QAM	1	3	23.54	23.71	23.62			
1.4	16QAM	3	0	23.56	23.84	23.69	23.5	2	
1.4	16QAM	3	0	23.52	23.64	23.50			
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.50	23.43	23.40	23.5	2	
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.86			
1.4	64QAM	1	5	22.83	22.73	22.84	23.5	2	
1.4	64QAM	3	0	22.68	22.73	22.53			
1.4	64QAM	3	1	22.86	22.56	22.71			
1.4	64QAM	3	3	22.52	22.70	22.64	22.5	3	
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 17 Ant0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.50	24.68	24.42	25.5	0	
10	QPSK	1	25	24.45	24.57	24.65			
10	QPSK	1	49	24.33	24.40	24.62			
10	QPSK	25	0	23.59	23.92	23.88	24.5	1	
10	QPSK	25	12	23.77	23.69	23.70			
10	QPSK	25	25	23.67	23.63	23.70			
10	QPSK	50	0	23.79	23.90	23.58	24.5	1	
10	16QAM	1	0	23.85	23.77	23.81			
10	16QAM	1	25	23.82	23.86	23.84			
10	16QAM	1	49	23.72	23.84	23.63	24.5	1	
10	16QAM	25	0	22.68	22.59	22.77			
10	16QAM	25	12	22.79	22.68	22.77			
10	16QAM	25	25	22.78	22.69	22.72	23.5	2	
10	16QAM	50	0	22.70	22.65	22.74			
10	64QAM	1	0	22.85	22.76	22.80			
10	64QAM	1	25	22.81	23.14	22.90	23.5	2	
10	64QAM	1	49	22.93	22.75	22.87			
10	64QAM	25	0	21.59	21.64	21.66			
10	64QAM	25	12	21.66	21.72	21.72	22.5	3	
10	64QAM	25	25	21.78	21.79	21.74			
10	64QAM	50	0	21.72	21.68	21.61			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.67	24.67	24.56	25.5	0	
5	QPSK	1	12	24.39	24.59	24.58			
5	QPSK	1	24	24.62	24.36	24.66			
5	QPSK	12	0	23.62	23.77	23.70	24.5	1	
5	QPSK	12	7	23.66	23.64	23.67			
5	QPSK	12	13	23.73	23.70	23.74			
5	QPSK	25	0	23.64	23.70	23.80	24.5	1	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.87	23.75	24.14			
5	16QAM	1	24	23.84	24.16	23.98	24.5	1	
5	16QAM	12	0	22.80	22.77	22.87			
5	16QAM	12	7	22.85	22.57	22.83			
5	16QAM	12	13	22.70	22.72	22.78	23.5	2	
5	16QAM	25	0	22.70	22.57	22.77			
5	64QAM	1	0	22.80	22.63	22.71			
5	64QAM	1	12	22.69	22.76	22.73	23.5	2	
5	64QAM	1	24	22.70	22.55	22.64			
5	64QAM	12	0	21.80	21.75	21.62			
5	64QAM	12	7	21.62	21.72	21.89	22.5	3	
5	64QAM	12	13	21.66	21.54	21.63			
5	64QAM	25	0	21.57	21.61	21.66			

Band 26 Ant0 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	0	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.18			
15	QPSK	36	0	23.44	23.50	23.37	24.5	1	
15	QPSK	36	20	23.42	23.46	23.44			
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31	24.5	1	
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.76	23.66	23.57			
15	16QAM	1	74	23.75	23.66	23.48	23.5	2	1
15	16QAM	36	0	22.45	22.42	22.39			
15	16QAM	36	20	22.50	22.48	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.55	22.50	23.5	2	
15	64QAM	1	37	22.65	22.60	22.50			
15	64QAM	1	74	22.56	22.54	22.37			
15	64QAM	36	0	21.48	21.44	21.37	22.5	3	
15	64QAM	36	20	21.51	21.47	21.40			
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34	Tune-up limit (dBm)	MPR (dB)	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	0	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31	24.5	1	
10	QPSK	25	12	23.45	23.36	23.32			
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30	24.5	1	
10	16QAM	1	0	23.60	23.68	23.61			
10	16QAM	1	25	23.62	23.63	23.53			
10	16QAM	1	49	23.63	23.61	23.49	23.5	2	
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.35			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.29			
10	64QAM	1	0	22.57	22.60	22.48	23.5	2	
10	64QAM	1	25	22.56	22.46	22.38			
10	64QAM	1	49	22.50	22.50	22.39			
10	64QAM	25	0	21.49	21.39	21.31	22.5	3	
10	64QAM	25	12	21.47	21.36	21.29			
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31	Tune-up limit (dBm)	MPR (dB)	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	0	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29	24.5	1	
5	QPSK	12	7	23.48	23.42	23.28			
5	QPSK	12	13	23.43	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.26	24.5	1	
5	16QAM	1	0	23.60	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54			
5	16QAM	1	24	23.66	23.58	23.50	23.5	2	
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45	23.5	2	
5	64QAM	1	12	22.56	22.42	22.39			
5	64QAM	1	24	22.54	22.48	22.38			
5	64QAM	12	0	21.53	21.36	21.33	22.5	3	
5	64QAM	12	7	21.48	21.43	21.29			
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27	Tune-up limit (dBm)	MPR (dB)	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	0	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27	24.5	1	
3	QPSK	8	4	23.42	23.45	23.31			
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26	24.5	1	
3	QPSK	15	7	23.53	23.40	23.52			
3	16QAM	1	8	23.61	23.67	23.54			
3	16QAM	1	14	23.70	23.61	23.55	23.5	2	
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.25			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	16QAM	1	0	22.56	22.48	22.26			
3	64QAM	1	0	22.62	22.55	22.44	23.5	2	
3	64QAM	1	14	22.55	22.57	22.41			
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31	22.5	3	
3	64QAM	8	7	21.50	21.44	21.08			
3	64QAM	15	0	21.48	21.38	21.25			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.30	24.04			
1.4	QPSK	1	3	24.33	24.26	24.16			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07	24.5	1	
1.4	QPSK	3	1	24.31	24.29	24.15			
1.4	QPSK	3	3	24.30	24.22	24.04			
1.4	QPSK	6	0	23.37	23.34	23.19	24.5	1	
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48			
1.4	16QAM	3	0	23.59	23.56	23.40	24.5	1	
1.4	16QAM	3	1	23.35	23.33	23.18			
1.4	16QAM	3	3	23.40	23.29	23.14			
1.4	16QAM	6	0	22.50	22.41	22.25	23.5	2	
1.4	16QAM	1	0	22.47	22.40	22.22			
1.4	64QAM	1	3	22.56	22.45	22.38			
1.4	QPSK	1	0	22.49	22.39	22.24	23.5	2	
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26			
1.4	64QAM	3	3	22.41	22.31	22.21	22.5	3	
1.4	64QAM	6	0	21.40	21.37	21.19			

Band 38 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.91	21.00	20.90	22	0	
20	QPSK	1	49	20.91	20.94	20.94			
20	QPSK	1	99	20.90	20.86	20.86			
20	QPSK	50	0	20.71	20.79	20.70	22	0	
20	QPSK	50	24	20.46	20.63	20.75			
20	QPSK	50	50	20.66	20.68	20.75			
20	QPSK	100	0	20.64	20.73	20.69	22	0	
20	16QAM	1	0	20.61	20.63	20.63			
20	16QAM	1	49	20.64	20.71	20.68			
20	16QAM	1	99	20.52	20.48	20.52	22	0	
20	16QAM	50	0	20.70	20.71	20.72			
20	16QAM	50	24	20.75	20.71	20.75			
20	16QAM	50	50	20.65	20.66	20.73	22	0	
20	16QAM	100	0	20.72	20.64	20.72			
20	64QAM	1	0	20.79	20.92	20.89			
20	64QAM	1	49	20.70	20.83	20.84	22	0	
20	64QAM	1	99	20.59	20.69	20.64			
20	64QAM	50	0	20.62	20.68	20.64			
20	64QAM	50	24	20.70	20.71	20.77	22	0	
20	64QAM	50	50	20.67	20.74	20.72			
20	64QAM	100	0	20.69	20.68	20.60			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.70	20.76	20.71	22	0	
15	QPSK	1	37	20.73	20.76	20.77			
15	QPSK	1	74	20.69	20.65	20.69			
15	QPSK	36	0	20.53	20.56	20.51	22	0	
15	QPSK	36	20	20.24	20.46	20.54			
15	QPSK	36	39	20.41	20.43	20.51			
15	QPSK	75	0	20.46	20.58	20.53	22	0	
15	16QAM	1	0	20.43	20.41	20.46			
15	16QAM	1	37	20.49	20.50	20.46			
15	16QAM	1	74	20.30	20.25	20.29	22	0	
15	16QAM	36	0	20.47	20.50	20.54			
15	16QAM	36	20	20.53	20.48	20.55			
15	16QAM	36	39	20.44	20.45	20.53	22	0	
15	16QAM	75	0	20.54	20.42	20.55			
15	64QAM	1	0	20.54	20.72	20.71			
15	64QAM	1	37	20.54	20.61	20.61	22	0	
15	64QAM	1	74	20.43	20.48	20.42			
15	64QAM	36	0	20.45	20.53	20.43			
15	64QAM	36	20	20.51	20.48	20.60	22	0	
15	64QAM	36	39	20.43	20.56	20.51			
15	64QAM	75	0	20.54	20.53	20.42			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.71	20.79	20.67	22	0	
10	QPSK	1	25	20.70	20.76	20.70			
10	QPSK	1	49	20.66	20.66	20.67			
10	QPSK	25	0	20.54	20.56	20.52	22	0	
10	QPSK	25	12	20.23	20.44	20.51			
10	QPSK	25	25	20.45	20.51	20.52			
10	QPSK	50	0	20.41	20.49	20.51	22	0	
10	16QAM	1	0	20.40	20.47	20.44			
10	16QAM	1	25	20.40	20.46	20.51			
10	16QAM	1	49	20.28	20.27	20.27	22	0	
10	16QAM	25	0	20.53	20.55	20.50			
10	16QAM	25	12	20.56	20.47	20.59			
10	16QAM	25	25	20.48	20.51	20.56	22	0	
10	16QAM	50	0	20.57	20.49	20.55			
10	64QAM	1	0	20.57	20.69	20.71			
10	64QAM	1	25	20.52	20.67	20.64	22	0	
10	64QAM	1	49	20.42	20.46	20.44			
10	64QAM	25	0	20.38	20.48	20.47			
10	64QAM	25	12	20.55	20.54	20.57	22	0	
10	64QAM	25	25	20.49	20.50	20.54			
10	64QAM	50	0	20.47	20.46	20.41			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.68	20.84	20.73	22	0	
5	QPSK	1	12	20.74	20.72	20.81			
5	QPSK	1	24	20.74	20.69	20.71			
5	QPSK	12	0	20.43	20.59	20.50	22	0	
5	QPSK	12	7	20.29	20.49	20.64			
5	QPSK	12	13	20.36	20.50	20.46			
5	QPSK	25	0	20.43	20.48	20.49	22	0	
5	16QAM	1	0	20.40	20.43	20.51			
5	16QAM	1	12	20.39	20.46	20.39			
5	16QAM	1	24	20.34	20.28	20.39	22	0	
5	16QAM	12	0	20.39	20.48	20.48			
5	16QAM	12	7	20.48	20.56	20.47			
5	16QAM	12	13	20.49	20.42	20.59	22	0	
5	16QAM	25	0	20.48	20.48	20.50			
5	64QAM	1	0	20.60	20.71	20.68			
5	64QAM	1	12	20.55	20.56	20.56	22	0	
5	64QAM	1	24	20.46	20.54	20.41			
5	64QAM	12	0	20.46	20.49	20.36			
5	64QAM	12	7	20.40	20.58	20.47	22	0	
5	64QAM	12	13	20.37	20.55	20.58			
5	64QAM	25	0	20.42	20.48	20.35			

Band 41 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.93	21.97	22.15	22.03	21.90	23	0
20	QPSK	1	49	21.92	21.97	21.94	21.96	22.09		
20	QPSK	1	99	21.95	21.94	22.02	21.96	21.97		
20	QPSK	50	0	21.78	21.85	22.01	21.87	21.68	23	0
20	QPSK	50	24	21.75	21.82	21.81	21.78	21.88		
20	QPSK	50	50	21.68	21.81	21.90	21.71	21.81		
20	QPSK	100	0	21.76	21.70	21.83	21.75	21.66	23	0
20	16QAM	1	0	21.81	21.69	21.99	21.80	21.61		
20	16QAM	1	49	21.85	21.80	21.68	21.86	21.95		
20	16QAM	1	99	21.70	21.67	21.84	21.80	21.74	23	0
20	16QAM	50	0	21.71	21.66	21.98	21.90	21.67		
20	16QAM	50	24	21.63	21.85	21.68	21.79	22.02		
20	16QAM	50	50	21.78	21.61	21.89	21.89	21.68	23	0
20	16QAM	100	0	21.69	21.82	21.73	21.82	21.94		
20	64QAM	1	0	21.67	21.66	21.98	21.63	21.52		
20	64QAM	1	49	21.63	21.75	21.50	21.82	21.84	23	0
20	64QAM	1	99	21.66	21.66	21.75	21.63	21.60		
20	64QAM	50	0	21.56	21.56	21.86	21.85	21.54		
20	64QAM	50	24	21.59	21.68	21.65	21.76	21.84	22.5	0.5
20	64QAM	50	50	21.68	21.47	21.81	21.79	21.56		
20	64QAM	100	0	21.23	21.12	21.11	21.29	21.35		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5	23.00	0
15	QPSK	1	0	21.76	21.81	21.98	21.91	21.77	23.00	0
15	QPSK	1	37	21.76	21.79	21.85	21.80	21.96		
15	QPSK	1	74	21.74	21.82	21.89	21.77	21.75		
15	QPSK	36	0	21.61	21.79	21.82	21.68	21.56	23	0
15	QPSK	36	20	21.65	21.75	21.69	21.57	21.65		
15	QPSK	36	39	21.58	21.75	21.77	21.59	21.59		
15	QPSK	75	0	21.68	21.62	21.65	21.59	21.47	23	0
15	16QAM	1	0	21.61	21.79	21.82	21.68	21.56		
15	16QAM	1	37	21.65	21.75	21.69	21.57	21.65		
15	16QAM	1	74	21.58	21.75	21.77	21.59	21.59	23	0
15	16QAM	36	0	21.48	21.58	21.80	21.74	21.47		
15	16QAM	36	20	21.50	21.65	21.55	21.64	21.83		
15	16QAM	36	39	21.55	21.38	21.81	21.76	21.56	23	0
15	16QAM	75	0	21.53	21.68	21.54	21.62	21.74		
15	64QAM	1	0	21.58	21.42	21.75	21.54	21.44		
15	64QAM	1	37	21.40	21.58	21.37	21.74	21.68	23	0
15	64QAM	1	74	21.58	21.52	21.51	21.57	21.55		
15	64QAM	36	0	21.64	21.61	21.93	21.62	21.59		
15	64QAM	36	20	21.51	21.68	21.66	21.63	21.79	22.5	0.5
15	64QAM	36	39	21.62	21.62	21.68	21.52	21.73		
15	64QAM	75	0	20.99	20.89	21.00	21.09	21.22		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	23.00	0
10	QPSK	1	0	21.74	21.81	21.94	21.88	21.83	23.00	0
10	QPSK	1	25	21.80	21.83	21.88	21.72	22.01		
10	QPSK	1	49	21.84	21.85	21.95	21.85	21.82		
10	QPSK	25	0	21.55	21.78	21.90	21.67	21.62	23	0
10	QPSK	25	12	21.67	21.66	21.80	21.58	21.65		
10	QPSK	25	25	21.59	21.70	21.80	21.56	21.76		
10	QPSK	50	0	21.55	21.62	21.70	21.59	21.44	23	0
10	16QAM	1	0	21.65	21.49	21.75	21.56	21.41		
10	16QAM	1	25	21.59	21.59	21.49	21.77	21.89		
10	16QAM	1	49	21.59	21.56	21.64	21.73	21.63	23	0
10	16QAM	25	0	21.55	21.58	21.79	21.69	21.59		
10	16QAM	25	12	21.42	21.79	21.53	21.56	21.82		
10	16QAM	25	25	21.57	21.52	21.78	21.70	21.62	23	0
10	16QAM	50	0	21.62	21.75	21.61	21.76	21.86		
10	64QAM	1	0	21.60	21.55	21.74	21.47	21.46		
10	64QAM	1	25	21.48	21.61	21.27	21.59	21.77	23	0
10	64QAM	1	49	21.48	21.44	21.66	21.41	21.50		
10	64QAM	25	0	21.40	21.38	21.71	21.61	21.39		
10	64QAM	25	12	21.46	21.50	21.59	21.57	21.63	22.5	0.5
10	64QAM	25	25	21.44	21.40	21.57	21.57	21.32		
10	64QAM	50	0	21.05	21.04	21.02	21.23	21.17		
Channel				39715	40163	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5	23.00	0
5	QPSK	1	0	21.83	21.92	21.92	21.79	21.81	23.00	0
5	QPSK	1	12	21.75	21.83	21.81	21.74	22.01		
5	QPSK	1	24	21.86	21.83	21.79	21.87	21.78		
5	QPSK	12	0	21.53	21.67	21.86	21.72	21.43	23	0
5	QPSK	12	7	21.67	21.60	21.61	21.63	21.71		
5	QPSK	12	13	21.50	21.58	21.74	21.64	21.67		
5	QPSK	25	0	21.53	21.61	21.58	21.53	21.41	23	0
5	16QAM	1	0	21.67	21.60	21.78	21.64	21.39		
5	16QAM	1	12	21.47	21.75	21.47	21.75	21.74		
5	16QAM	1	24	21.61	21.51	21.59	21.60	21.60	23	0
5	16QAM	12	0	21.66	21.77	21.88	21.66	21.45		
5	16QAM	12	7	21.63	21.76	21.62	21.63	21.64		
5	16QAM	12	13	21.44	21.67	21.85	21.62	21.64	23	0
5	16QAM	25	0	21.62	21.70	21.66	21.66	21.62		
5	64QAM	1	0	21.52	21.42	21.75	21.54	21.32		
5	64QAM	1	12	21.44	21.50	21.39	21.61	21.73	23	0
5	64QAM	1	24	21.51	21.43	21.57	21.39	21.54		
5	64QAM	12	0	21.37	21.44	21.62	21.65	21.48		
5	64QAM	12	7	21.52	21.49	21.51	21.54	21.66	22.5	0.5
5	64QAM	12	13	21.62	21.31	21.65	21.64	21.33		
5	64QAM	25	0	21.18	21.01	21.02	21.07	21.11		

GSM850 Ant4 DS14

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	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.36	23.16	23.59	24.24
GPRS 4 Tx slots	26.46	26.54	26.45	27.50	23.49	23.54	23.45	24.50
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

GSM1900 Ant4 DS14

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	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	27.98	27.90	27.83	29.50	18.98	18.90	18.83	20.50
GPRS 1 Tx slot	28.02	27.92	27.86	29.50	19.02	18.92	18.86	20.50
GPRS 2 Tx slots	26.42	26.50	26.34	27.50	20.42	20.50	20.34	21.50
GPRS 3 Tx slots	24.35	24.51	24.29	25.50	20.09	20.25	20.03	21.24
GPRS 4 Tx slots	23.16	23.17	23.15	24.50	20.16	20.17	20.15	21.50
EDGE 1 Tx slot	24.39	24.60	24.44	25.50	15.39	15.60	15.44	16.50
EDGE 2 Tx slots	22.31	22.16	22.03	24.00	16.31	16.16	16.03	18.00
EDGE 3 Tx slots	19.76	19.56	19.49	21.00	15.50	15.30	15.23	16.74
EDGE 4 Tx slots	19.37	19.40	19.11	20.50	16.37	16.40	16.11	17.50

WCDMA II Ant4 DS14

WCDMA IV Ant4 DS14

WCDMA V Ant4 DS14

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1852.4	1880	1907.8	(dBm)	1712.4	1752.6	1752.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps	21.39	21.24	21.11	22.50	22.45	22.44	22.41	23.50	24.70	24.72	24.71	25.50
3GPP Rel 99 RMC 12.2Kbps	21.34	21.42	21.13	22.50	22.48	22.51	22.47	23.50	24.71	24.73	24.68	25.50
3GPP Rel 6 HSDPA Subtest-1	20.42	20.48	20.24	21.50	21.53	21.63	21.58	22.50	23.82	23.80	23.72	24.50
3GPP Rel 6 HSDPA Subtest-2	20.41	20.37	20.16	21.50	21.67	21.66	21.61	22.50	23.78	23.79	23.71	24.50
3GPP Rel 6 HSDPA Subtest-3	19.82	19.87	19.71	21.00	21.17	21.19	20.87	22.00	23.28	23.32	23.16	24.00
3GPP Rel 6 HSDPA Subtest-4	19.85	19.90	19.62	21.00	21.11	21.19	21.24	22.00	23.26	22.95	23.21	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	20.24	20.49	20.01	21.50	21.77	21.68	21.69	22.50	23.81	23.88	23.70	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	20.17	20.47	20.24	21.50	21.58	21.71	21.66	22.50	23.80	23.76	23.60	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	19.86	19.84	19.70	21.00	21.06	21.04	20.92	22.00	23.27	23.22	23.27	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	20.06	19.86	19.69	21.00	21.09	21.36	21.22	22.00	23.29	23.00	23.23	24.00
3GPP Rel 6 HSUPA Subtest-1	20.23	20.41	20.09	21.50	21.67	21.73	21.59	22.50	23.74	23.72	23.62	24.50
3GPP Rel 6 HSUPA Subtest-2	18.34	18.37	18.15	19.50	19.58	19.63	19.68	20.50	21.74	21.70	21.64	22.50
3GPP Rel 6 HSUPA Subtest-3	19.19	19.44	19.12	20.50	20.60	20.59	20.77	21.50	22.71	22.73	22.65	23.50
3GPP Rel 6 HSUPA Subtest-4	18.42	18.37	18.35	19.50	19.70	19.70	19.64	20.50	21.72	21.77	21.67	22.50
3GPP Rel 6 HSUPA Subtest-5	20.24	20.35	20.08	21.50	21.58	21.63	21.66	22.50	23.70	23.68	23.60	24.50