Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.10.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.1 ± 6 %	4.53 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.09 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**80.5 W/kg ± 19.9 % (k=2)**

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**23.1 W/kg ± 19.5 % (k=2)**

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.6 ± 6 %	4.88 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**83.4 W/kg ± 19.9 % (k=2)**

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**23.8 W/kg ± 19.5 % (k=2)**

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.4 ± 6 %	5.03 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.06 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**80.0 W/kg ± 19.9 % (k=2)**

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.30 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**22.8 W/kg ± 19.5 % (k=2)**

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	51.7 Ω - 6.2 jΩ
Return Loss	- 24.0 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	56.0 Ω - 2.7 jΩ
Return Loss	- 24.1 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	56.7 Ω - 1.0 jΩ
Return Loss	- 23.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.195 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

Date: 24.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1113

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz
Medium parameters used: f = 5250 MHz; σ = 4.53 S/m; ε_r = 35.1; ρ = 1000 kg/m^3 ,
Medium parameters used: f = 5600 MHz; σ = 4.88 S/m; ε_r = 34.6; ρ = 1000 kg/m^3 ,
Medium parameters used: f = 5750 MHz; σ = 5.03 S/m; ε_r = 34.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN3503; ConvF(5.4, 5.4, 5.4) @ 5250 MHz, ConvF(4.95, 4.95, 4.95) @ 5600 MHz, ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

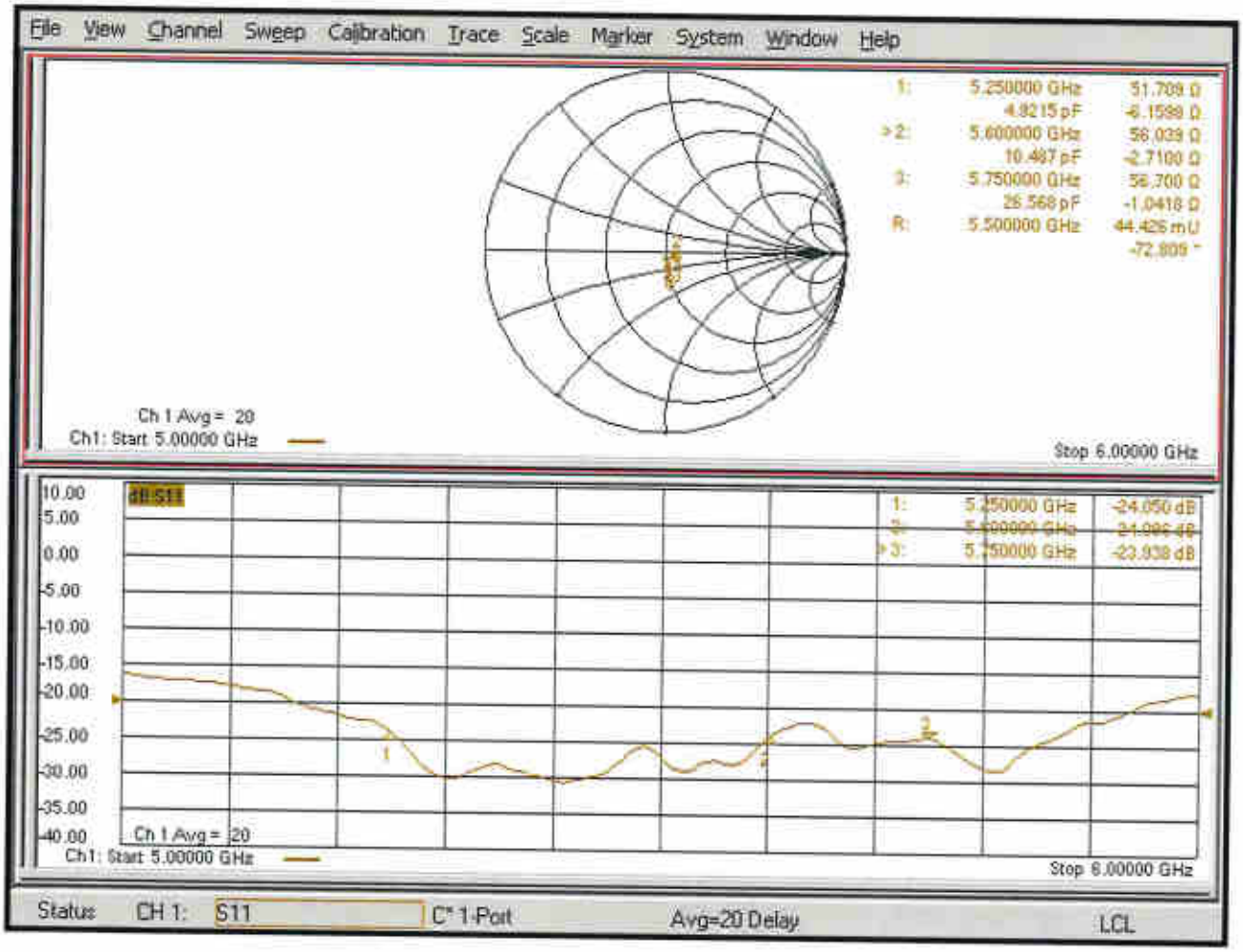
Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 78.54 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 18.1 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 78.00 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 8.40 W/kg; SAR(10 g) = 2.40 W/kg
Maximum value of SAR (measured) = 19.4 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 75.13 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.30 W/kg
Maximum value of SAR (measured) = 19.0 W/kg

0 dB = 18.1 W/kg = 12.58 dBW/kg

Impedance Measurement Plot for Head TSL



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CNAS L0570

Client : INNOWAVE

Certificate No: Z19-60223

CALIBRATION CERTIFICATE

Object	DAE4 - SN: 871
Calibration Procedure(s)	FF-Z11-002-01 Calibration Procedure for the Data Acquisition Electronics (DAEx)
Calibration date:	June 27, 2019

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±3)℃ and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Process Calibrator 753	1971018	24-Jun-19 (CTTL, No.J19X05126)	Jun-20

	Name	Function	Signature
Calibrated by:	Yu Zongying	SAR Test Engineer	
Reviewed by:	Zhao Jing	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: June 29, 2019

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Glossary:

DAE	data acquisition electronics
Connector angle	information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters:

- *DC Voltage Measurement*: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.

- *Connector angle*: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.

- The report provide only calibration results for DAE, it does not contain other performance test results.

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DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1μV , full range = -100...+300 mV
Low Range: 1LSB = 61nV , full range = -1.....+3mV

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

Calibration Factors	X	Y	Z
High Range	404.719 ± 0.15% (k=2)	404.706 ± 0.15% (k=2)	405.146 ± 0.15% (k=2)
Low Range	3.98180 ± 0.7% (k=2)	3.93711 ± 0.7% (k=2)	3.96917 ± 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	90° ± 1 °

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Accreditation No.: SCS 0108

Client Sporton-CN (Auden)

Certificate No: DAE4-1210_Jul19

CALIBRATION CERTIFICATE

Object	DAE4 - SD 000 D04 BM - SN: 1210
Calibration procedure(s)	QA CAL-06.v29 Calibration procedure for the data acquisition electronics (DAE)
Calibration date:	July 23, 2019

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 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Keithley Multimeter Type 2001	SN: 0810278	03-Sep-18 (No:23488)	Sep-19
Secondary Standards	**ID #**	**Check Date (in house)**	**Scheduled Check**
Auto DAE Calibration Unit	SE UWS 053 AA 1001	07-Jan-19 (in house check)	In house check: Jan-20
Calibrator Box V2.1	SE UMS 006 AA 1002	07-Jan-19 (in house check)	In house check: Jan-20

	Name	Function	Signature
Calibrated by:	Adrian Gehring	Laboratory Technician	
Approved by:	Sven Kühn	Deputy Manager	

Issued: July 23, 2019

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Glossary

DAE	data acquisition electronics
Connector angle	information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters

- *DC Voltage Measurement:* Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle*: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - *DC Voltage Measurement Linearity:* Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - *Common mode sensitivity:* Influence of a positive or negative common mode voltage on the differential measurement.
  - *Channel separation:* Influence of a voltage on the neighbor channels not subject to an input voltage.
  - *AD Converter Values with inputs shorted:* Values on the internal AD converter corresponding to zero input voltage
  - *Input Offset Measurement*: Output voltage and statistical results over a large number of zero voltage measurements.
  - *Input Offset Current:* Typical value for information; Maximum channel input offset current, not considering the input resistance.
  - *Input resistance:* Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
  - *Low Battery Alarm Voltage:* Typical value for information. Below this voltage, a battery alarm signal is generated.
  - *Power consumption:* Typical value for information. Supply currents in various operating modes.

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range:	1LSB =	6.1μV ,	full range =	-100...+300 mV
Low Range:	1LSB =	61nV ,	full range =	-1.....+3mV

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

Calibration Factors	X	Y	Z
High Range	404.166 ± 0.02% (k=2)	404.988 ± 0.02% (k=2)	405.096 ± 0.02% (k=2)
Low Range	3.99856 ± 1.50% (k=2)	3.98348 ± 1.50% (k=2)	3.99912 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	345.5 ° ± 1 °

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	199994.14	-1.58	-0.00
Channel X	+ Input	20003.24	1.63	0.01
Channel X	- Input	-19999.69	2.15	-0.01
Channel Y	+ Input	199994.24	-1.47	-0.00
Channel Y	+ Input	19999.92	-1.59	-0.01
Channel Y	- Input	-20002.36	-0.45	0.00
Channel Z	+ Input	199993.01	-3.18	-0.00
Channel Z	+ Input	20001.72	0.33	0.00
Channel Z	- Input	-20001.83	0.22	-0.00

Low Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	2000.95	0.12	0.01
Channel X	+ Input	201.39	0.23	0.11
Channel X	- Input	-198.00	0.76	-0.38
Channel Y	+ Input	2000.37	-0.36	-0.02
Channel Y	+ Input	200.27	-0.81	-0.40
Channel Y	- Input	-199.65	-0.81	0.41
Channel Z	+ Input	2000.08	-0.54	-0.03
Channel Z	+ Input	200.54	-0.42	-0.21
Channel Z	- Input	-199.83	-0.88	0.44

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	-6.17	-7.94
	- 200	9.53	7.51
Channel Y	200	-9.87	-9.68
	- 200	8.28	8.02
Channel Z	200	12.52	12.54
	- 200	-13.97	-14.14

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	-	2.17	-3.57
Channel Y	200	8.43	-	2.81
Channel Z	200	9.90	6.07	-

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	15961	16608
Channel Y	15954	15680
Channel Z	15869	16574

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec
Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	-0.75	-1.83	0.18	0.39
Channel Y	0.12	-0.92	0.78	0.38
Channel Z	1.30	-0.57	3.07	0.63

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

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Accreditation No.: SCS 0108

Client Sporton

Certificate No: ES3-3293_Nov19

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3293

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

Calibration date: November 25, 2019

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 ± 3)°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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	07-Oct-19 (No. DAE4-660_Oct19)	Oct-20
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: November 26, 2019

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Accreditation No.: SCS 0108

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,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., ϑ = 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:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,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*.
- *DCPx,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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,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 ≤ 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 *NORMx,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 *NORMx* (no uncertainty required).

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3293

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.09	0.90	0.71	± 10.1 %
DCP (mV)[B]	105.6	104.0	109.8	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB$\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	197.9	±3.5 %	± 4.7 %
		Y	0.0	0.0	1.0		199.0		
		Z	0.0	0.0	1.0		206.6		

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: ES3DV3 - SN:3293

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-4.6
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3293

Calibration Parameter Determined in Head Tissue Simulating Media

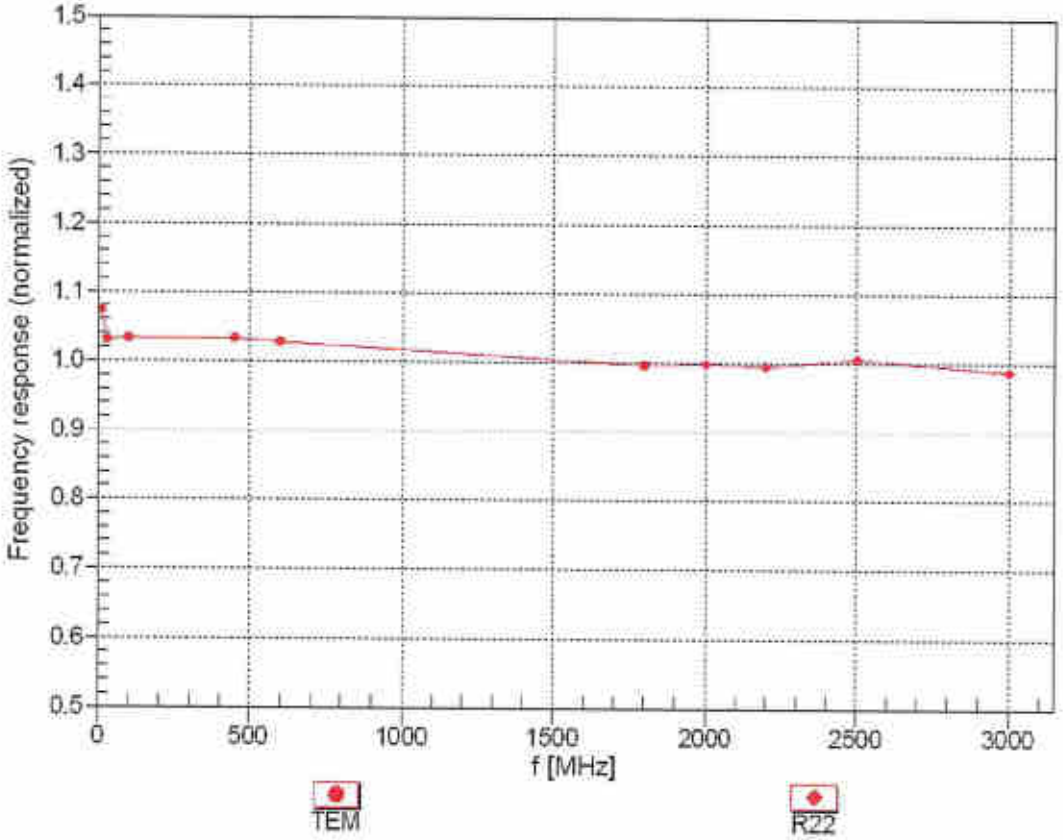
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.56	6.56	6.56	0.80	1.23	± 12.0 %
835	41.5	0.90	6.39	6.39	6.39	0.80	1.26	± 12.0 %
900	41.5	0.97	6.23	6.23	6.23	0.72	1.30	± 12.0 %
1450	40.5	1.20	5.89	5.89	5.89	0.48	1.49	± 12.0 %
1750	40.1	1.37	5.53	5.53	5.53	0.55	1.38	± 12.0 %
1900	40.0	1.40	5.32	5.32	5.32	0.67	1.30	± 12.0 %
2000	40.0	1.40	5.25	5.25	5.25	0.50	1.55	± 12.0 %
2300	39.5	1.67	4.89	4.89	4.89	0.63	1.42	± 12.0 %
2450	39.2	1.80	4.60	4.60	4.60	0.80	1.33	± 12.0 %
2600	39.0	1.96	4.39	4.39	4.39	0.75	1.41	± 12.0 %

[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 below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. 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.

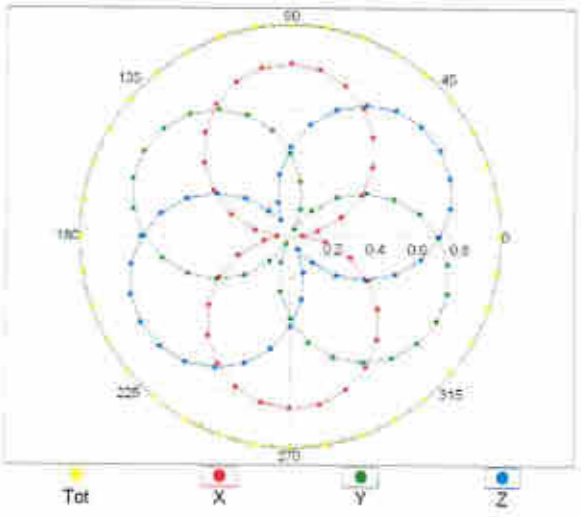
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



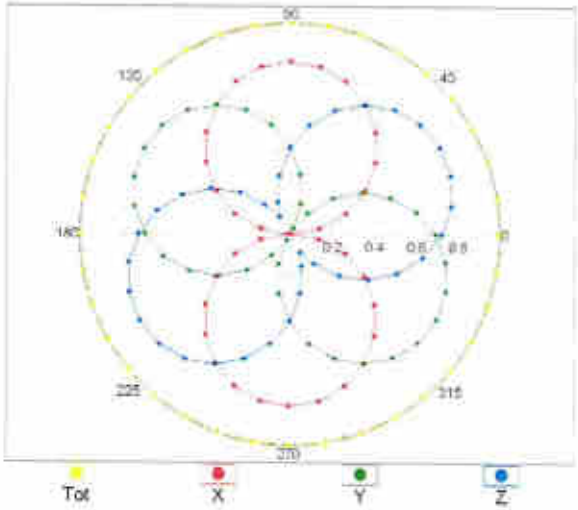
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

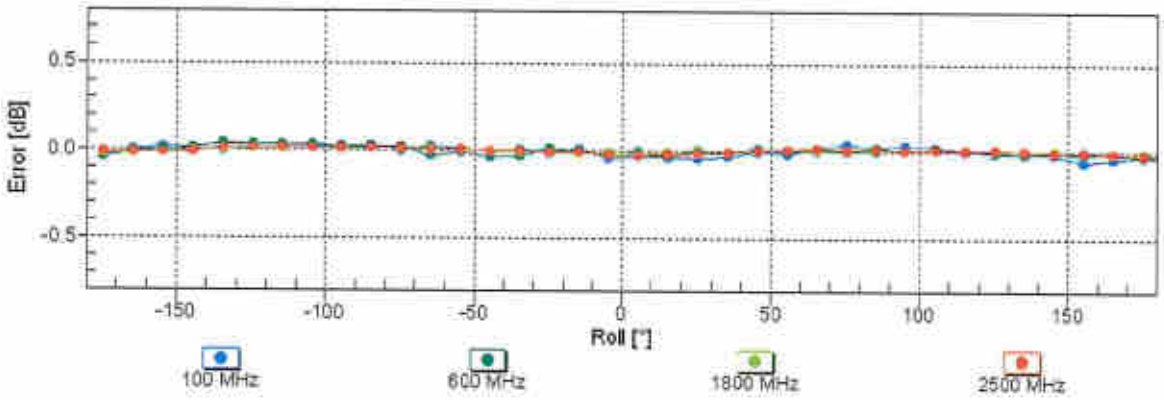
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



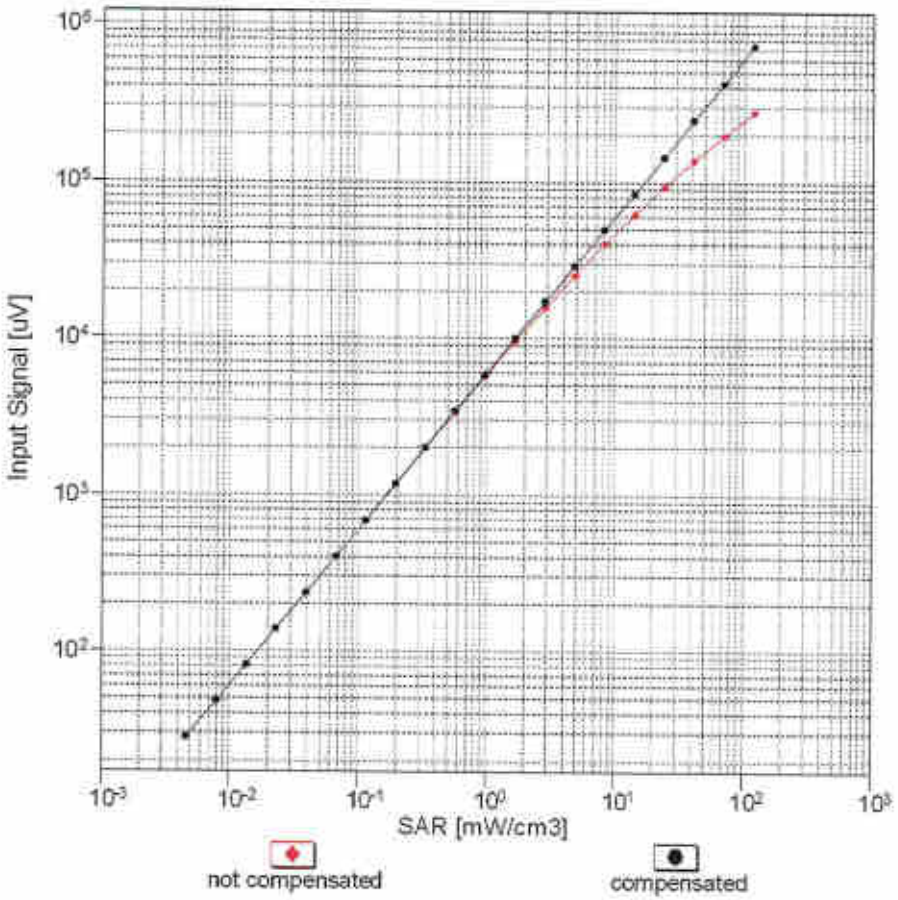
f=1800 MHz,R22

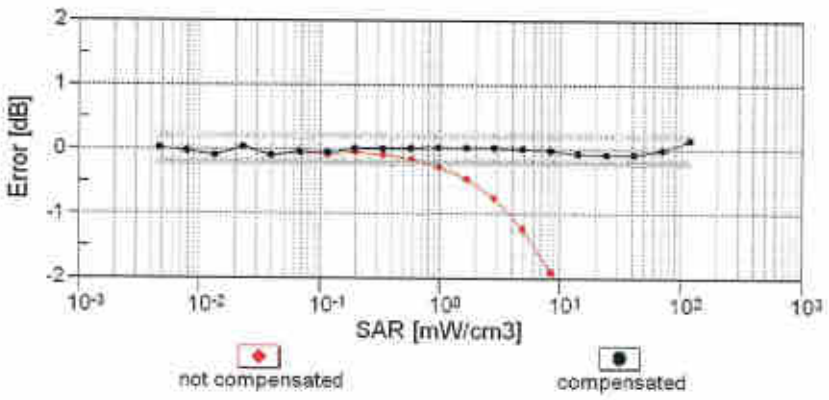




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

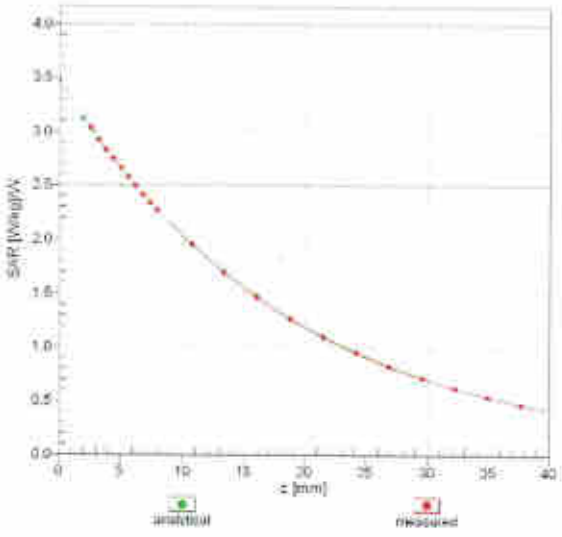




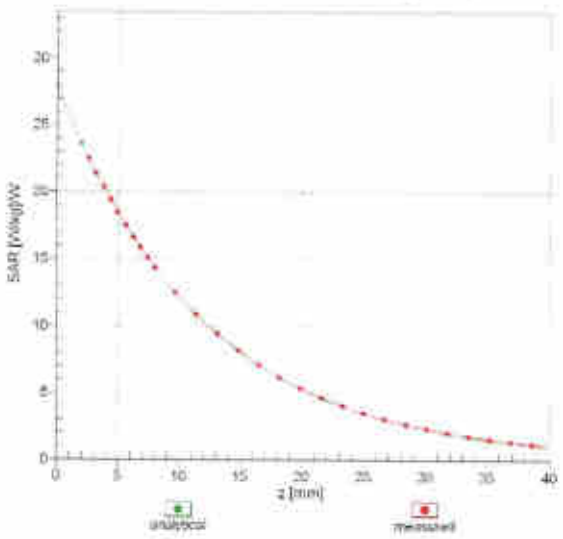
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

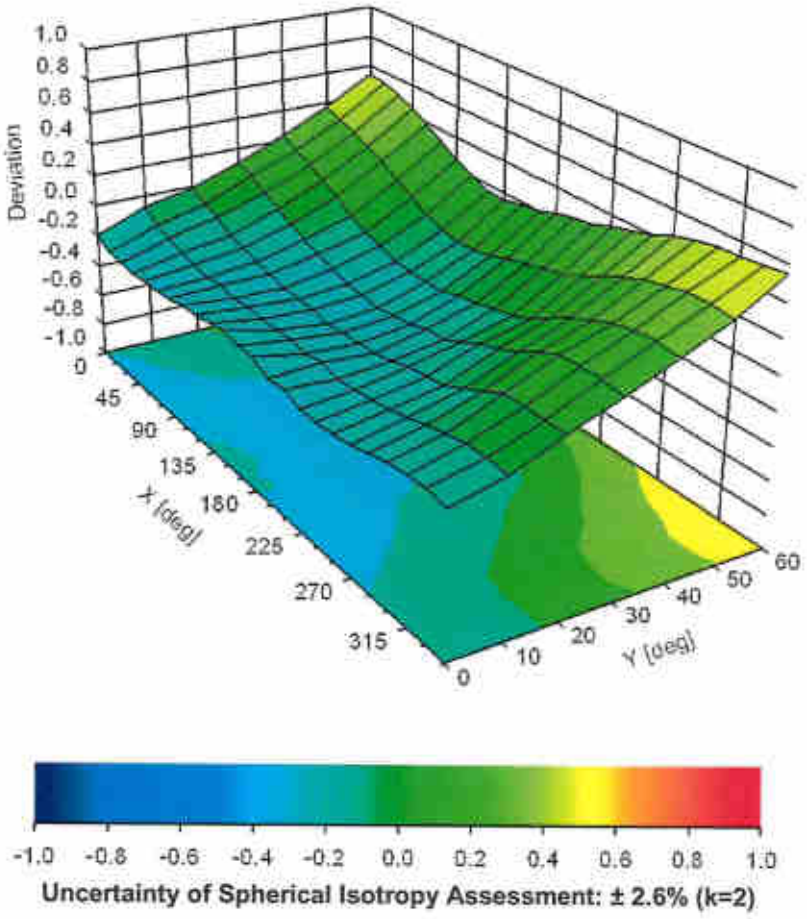


f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Client **Sporton**

Certificate No: EX3-3857_May19

CALIBRATION CERTIFICATE

Object: EX3DV4 - SN:3857

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

Calibration date: May 27, 2019

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 ± 3)°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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: May 28, 2019

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Calibration Laboratory of
Schmid & Partner
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Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,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., ϑ = 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:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,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*.
- *DCPx,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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,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 ≤ 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 *NORMx,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 *NORMx* (no uncertainty required).

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.17	0.43	0.45	± 10.1 %
DCP (mV)[B]	102.0	100.4	103.0	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max dev.	Max Unc[E] (k=2)
0	CW	X	0.00	0.00	1.00	0.00	149.1	± 3.5 %	± 4.7 %
		Y	0.00	0.00	1.00		142.5		
		Z	0.00	0.00	1.00		128.7		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	5.02	71.79	14.46	10.00	60.0	± 3.0 %	± 9.6 %
		Y	15.00	85.65	19.05		60.0		
		Z	15.00	87.33	19.76		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	4.86	73.94	13.94	6.99	80.0	± 1.7 %	± 9.6 %
		Y	15.00	86.82	18.12		80.0		
		Z	15.00	88.67	19.12		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	7.38	78.94	13.73	3.98	95.0	± 1.4 %	± 9.6 %
		Y	15.00	86.36	16.11		95.0		
		Z	15.00	93.83	20.13		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	0.64	63.16	6.75	2.22	120.0	± 1.5 %	± 9.6 %
		Y	13.05	81.68	12.64		120.0		
		Z	15.00	101.47	22.26		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	1.68	72.66	15.43	0.00	150.0	± 2.7 %	± 9.6 %
		Y	0.57	60.00	7.58		150.0		
		Z	0.99	66.12	11.92		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	3.08	73.93	18.74	0.00	150.0	± 1.2 %	± 9.6 %
		Y	2.07	67.07	15.14		150.0		
		Z	2.60	71.16	17.43		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	3.51	72.69	19.87	3.01	150.0	± 1.6 %	± 9.6 %
		Y	2.69	68.94	18.38		150.0		
		Z	3.62	74.43	20.55		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	3.84	69.00	17.04	0.00	150.0	± 2.3 %	± 9.6 %
		Y	3.40	66.62	15.52		150.0		
		Z	3.68	68.33	16.53		150.0		
10414-AAA	WLAN CCDF, 64-QAM, 40MHz	X	5.12	66.37	16.23	0.00	150.0	± 4.3 %	± 9.6 %
		Y	4.79	65.33	15.44		150.0		
		Z	4.99	66.28	15.97		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:3857

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	59.0	455.93	38.07	9.66	1.32	5.00	0.00	0.69	1.01
Y	45.9	356.07	37.98	10.21	0.83	5.05	0.00	0.48	1.01
Z	48.1	356.44	35.21	11.94	0.51	5.06	1.47	0.28	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-43.5
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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3857

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	9.77	9.77	9.77	0.42	0.99	± 12.0 %
835	41.5	0.90	9.48	9.48	9.48	0.46	0.80	± 12.0 %
900	41.5	0.97	9.34	9.34	9.34	0.29	1.12	± 12.0 %
1750	40.1	1.37	8.46	8.46	8.46	0.34	0.80	± 12.0 %
1900	40.0	1.40	8.10	8.10	8.10	0.34	0.80	± 12.0 %
2000	40.0	1.40	8.04	8.04	8.04	0.26	0.88	± 12.0 %
2300	39.5	1.67	7.88	7.88	7.88	0.33	0.90	± 12.0 %
2450	39.2	1.80	7.50	7.50	7.50	0.37	0.93	± 12.0 %
2600	39.0	1.96	7.31	7.31	7.31	0.35	0.93	± 12.0 %
3300	38.2	2.71	6.96	6.96	6.96	0.30	1.25	± 14.0 %
3500	37.9	2.91	6.92	6.92	6.92	0.30	1.25	± 14.0 %
3700	37.7	3.12	6.65	6.65	6.65	0.30	1.25	± 14.0 %
3900	37.5	3.32	6.60	6.60	6.60	0.40	1.60	± 14.0 %
4100	37.2	3.53	5.99	5.99	5.99	0.40	1.60	± 14.0 %
4200	37.1	3.63	5.98	5.98	5.98	0.40	1.70	± 14.0 %
4400	36.9	3.84	5.86	5.86	5.86	0.45	1.75	± 14.0 %
4600	36.7	4.04	5.83	5.83	5.83	0.45	1.75	± 14.0 %
4800	36.4	4.25	5.73	5.73	5.73	0.45	1.75	± 14.0 %
4950	36.3	4.40	5.53	5.53	5.53	0.40	1.80	± 14.0 %
5250	35.9	4.71	5.19	5.19	5.19	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.92	4.92	4.92	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.17	5.17	5.17	0.40	1.80	± 14.0 %

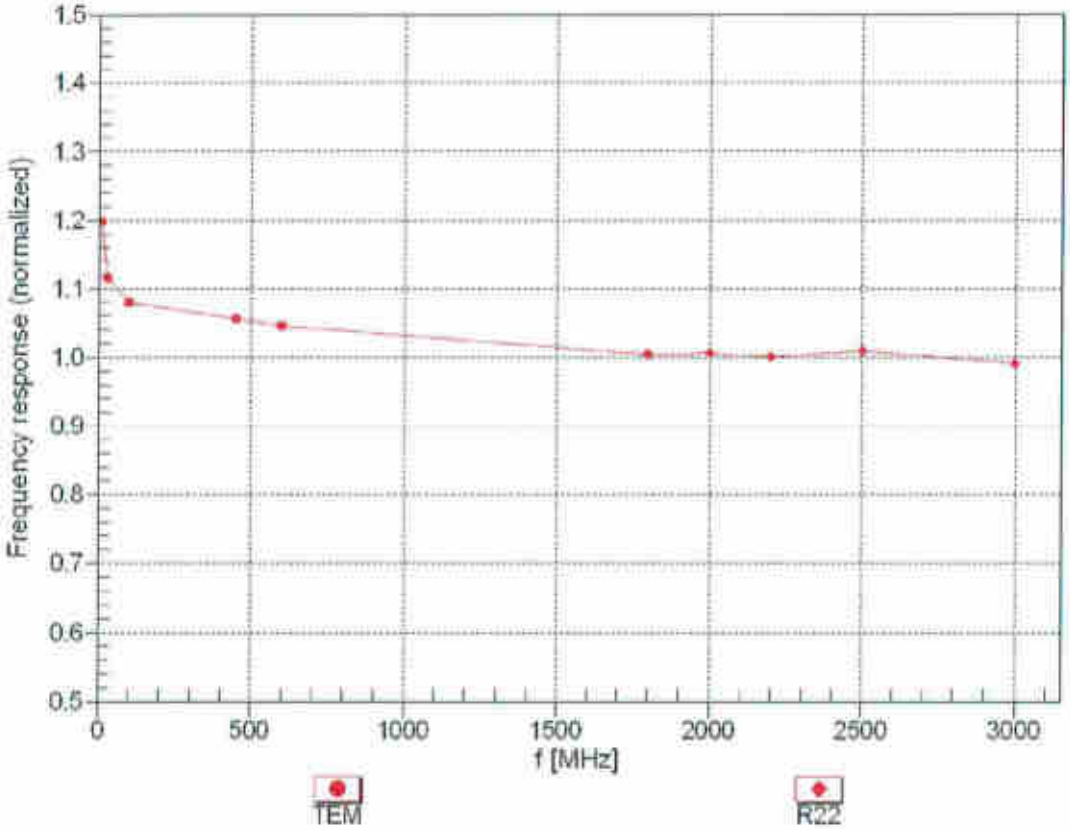
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz 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 below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. 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

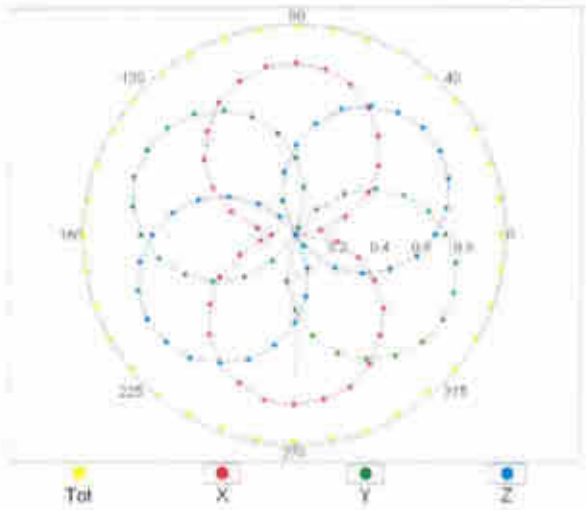
(TEM-Cell:ifi110 EXX, Waveguide: R22)



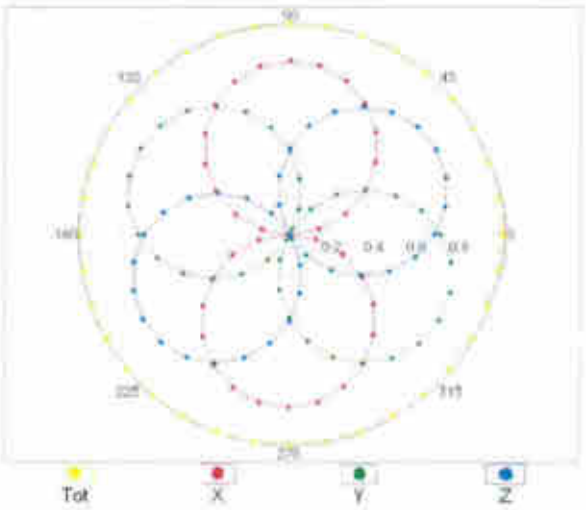
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

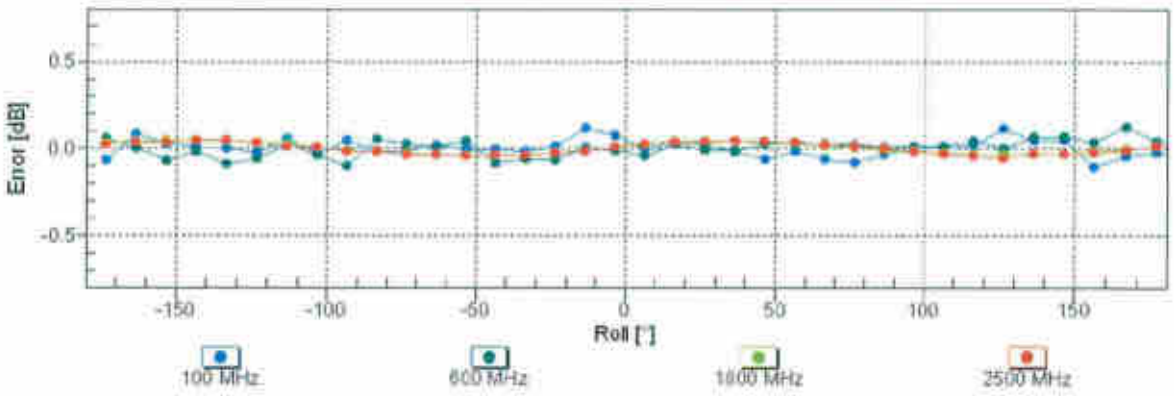
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



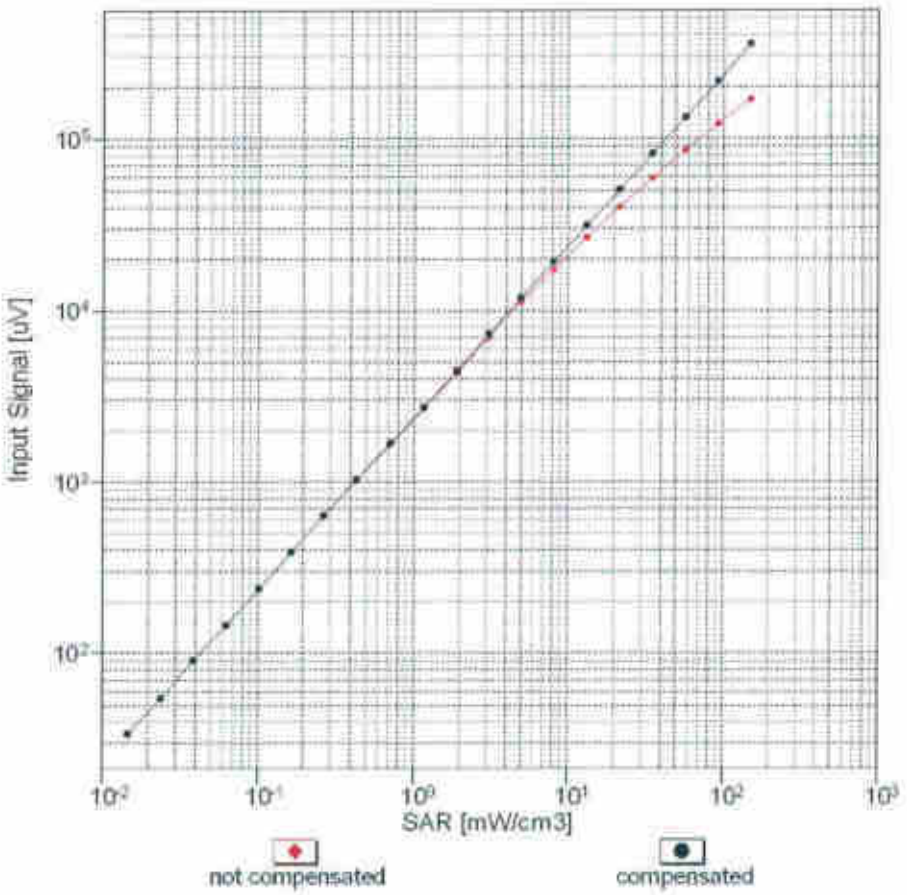
f=1800 MHz,R22

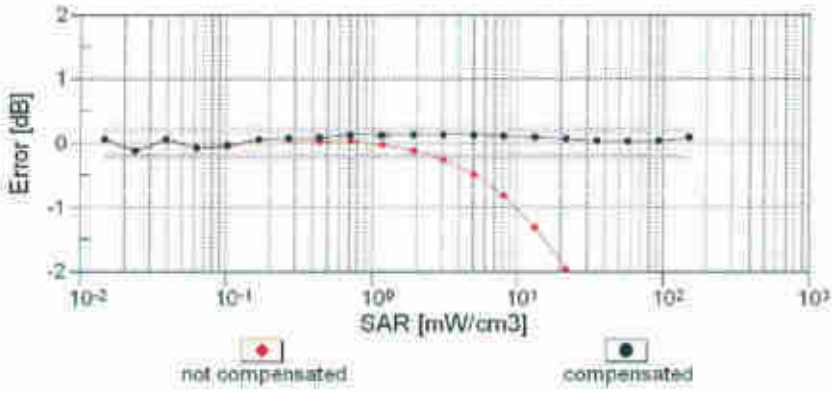




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

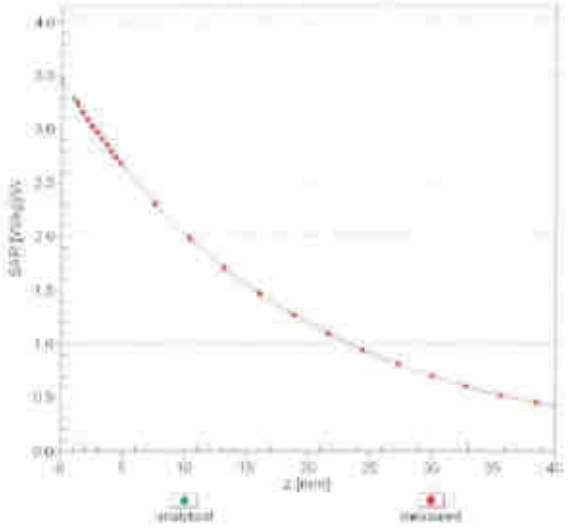




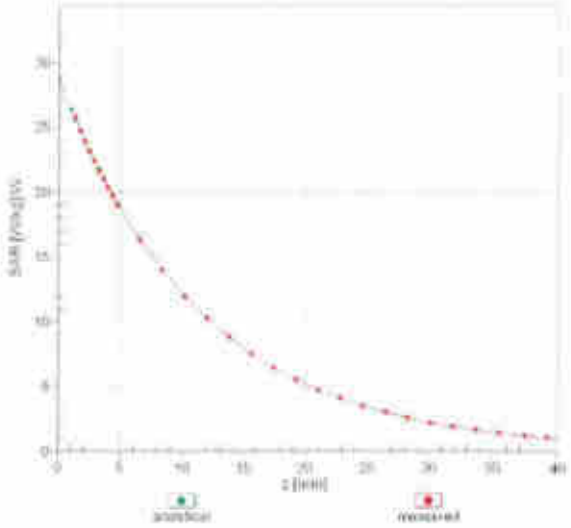
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

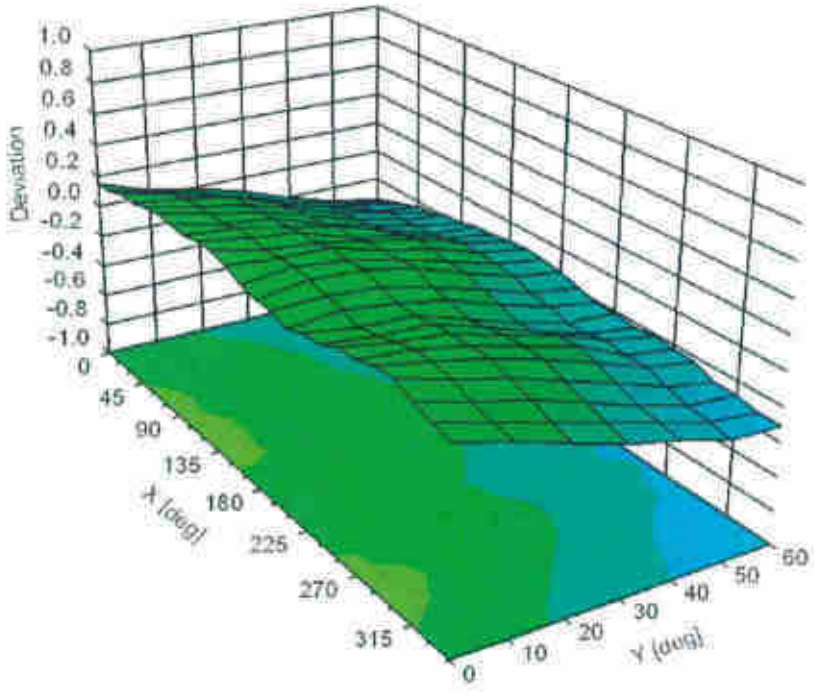


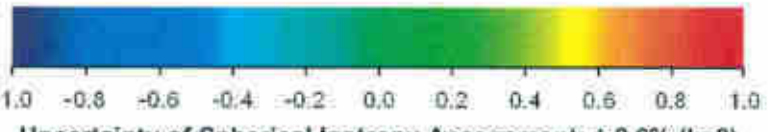
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc[F] (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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	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	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	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	5.72	± 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	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	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	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	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	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	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, 3 CTRL symbols)	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, 15 symbols)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	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, 18 symbols)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	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 duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	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 duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	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 Subframe=2,3,4,7,8,9)	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, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 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 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %

10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAD	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	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %

10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %

[5] 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

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)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.82	33.00	32.85	33.50	23.82	24.00	23.85	24.50
GPRS 1 Tx slot	32.81	32.99	32.83	33.50	23.81	23.99	23.83	24.50
GPRS 2 Tx slots	32.14	31.91	31.93	32.50	26.14	25.91	25.93	26.50
GPRS 3 Tx slots	30.43	30.29	30.26	31.50	26.17	26.03	26.00	27.24
GPRS 4 Tx slots	28.53	28.74	28.42	29.50	25.53	25.74	25.42	26.50
EDGE 1 Tx slot	26.78	26.70	26.53	27.50	17.78	17.70	17.53	18.50
EDGE 2 Tx slots	25.67	25.52	25.42	26.50	19.67	19.52	19.42	20.50
EDGE 3 Tx slots	24.04	24.00	23.77	25.00	19.78	19.74	19.51	20.74
EDGE 4 Tx slots	22.44	22.40	22.27	23.50	19.44	19.40	19.27	20.50

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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.81	29.82	29.70	30.50	20.81	20.82	20.70	21.50
GPRS 1 Tx slot	29.79	29.81	29.69	30.50	20.79	20.81	20.69	21.50
GPRS 2 Tx slots	28.73	28.76	28.74	29.50	22.73	22.76	22.74	23.50
GPRS 3 Tx slots	27.08	27.19	27.26	28.00	22.82	22.93	23.00	23.74
GPRS 4 Tx slots	25.43	25.50	25.62	26.50	22.43	22.50	22.62	23.50
EDGE 1 Tx slot	25.48	25.54	25.57	26.50	16.48	16.54	16.57	17.50
EDGE 2 Tx slots	24.45	24.41	24.55	25.50	18.45	18.41	18.55	19.50
EDGE 3 Tx slots	22.83	22.88	22.90	23.50	18.57	18.62	18.64	19.24
EDGE 4 Tx slots	21.18	21.27	21.24	22.50	18.18	18.27	18.24	19.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.28	23.21	23.25	24.00	22.96	23.12	23.20	24.00	23.64	23.55	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	23.29	23.22	23.27	24.00	22.97	23.14	23.22	24.00	23.66	23.56	23.24	24.00
3GPP Rel 6	HSDPA Subtest-1	22.30	22.18	22.22	23.00	21.94	22.43	22.21	23.00	22.80	22.69	22.37	23.00
3GPP Rel 6	HSDPA Subtest-2	22.28	22.21	22.24	23.00	21.99	22.12	22.20	23.00	22.80	22.74	22.45	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.67	21.73	22.50	21.52	21.56	21.68	22.50	22.32	22.16	21.85	22.50
3GPP Rel 6	HSDPA Subtest-4	21.73	21.64	21.68	22.50	21.28	21.52	21.64	22.50	22.33	22.27	21.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.29	22.17	22.21	23.00	21.88	22.37	22.19	23.00	22.78	22.63	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.28	22.19	22.13	23.00	21.90	22.11	22.15	23.00	22.65	22.70	22.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.71	21.66	21.71	22.50	21.50	21.48	21.60	22.50	22.30	22.13	21.80	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.70	21.63	21.69	22.50	21.22	21.50	21.57	22.50	22.24	22.24	21.83	22.50
3GPP Rel 6	HSUPA Subtest-1	22.10	22.05	22.05	23.00	22.01	22.27	22.16	23.00	22.81	22.72	22.88	23.00
3GPP Rel 6	HSUPA Subtest-2	20.10	20.09	20.07	21.00	20.06	20.18	20.07	21.00	20.74	20.62	20.32	21.00
3GPP Rel 6	HSUPA Subtest-3	21.17	21.04	21.05	22.00	21.10	21.22	21.06	22.00	21.79	21.75	21.75	22.00
3GPP Rel 6	HSUPA Subtest-4	20.15	20.07	20.03	21.00	20.00	20.09	20.13	21.00	20.82	20.66	20.73	21.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.00	22.10	23.00	21.96	22.17	22.19	23.00	22.80	22.70	22.35	23.00

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.41	24.33	24.03	25.00	24.03	24.10	24.08	25.00	24.43	24.40	24.27	25.00
RC3 SO55	24.42	24.34	24.04	25.00	24.04	24.10	24.16	25.00	24.43	24.49	24.28	25.00
RC3 SO32 (F+SCH)	24.38	24.38	24.03	25.00	24.08	24.06	24.11	25.00	24.44	24.46	24.26	25.00
RC3 SO32 (+SCH)	24.38	24.39	24.04	25.00	24.10	24.07	24.12	25.00	24.45	24.48	24.27	25.00
RTAP 153.6Kbps	24.41	24.41	24.40	25.00	24.05	24.02	24.15	25.00	24.43	24.44	24.26	25.00
RETAP 4096Bits	24.39	24.40	24.01	25.00	24.07	24.03	24.13	25.00	24.44	24.43	24.28	25.00

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.30	23.09	22.85		
20	QPSK	1	49	22.97	22.83	22.84	24	0
20	QPSK	1	99	22.94	22.86	22.82		
20	QPSK	50	0	22.09	21.90	21.76		
20	QPSK	50	24	22.03	21.85	21.80	23	1
20	QPSK	50	50	21.87	21.79	21.79		
20	QPSK	100	0	21.97	21.80	21.72		
20	16QAM	1	0	22.50	22.49	22.19		
20	16QAM	1	49	22.31	22.17	22.19	23	1
20	16QAM	1	99	22.36	22.29	22.06		
20	16QAM	50	0	21.19	21.02	20.88		
20	16QAM	50	24	21.17	20.98	20.94	22	2
20	16QAM	50	50	20.96	20.91	20.91		
20	16QAM	100	0	21.04	20.92	20.82		
20	64QAM	1	0	21.47	21.42	21.05		
20	64QAM	1	49	21.21	21.07	21.18	22	2
20	64QAM	1	99	21.21	21.14	21.23		
20	64QAM	50	0	20.23	19.99	19.89		
20	64QAM	50	24	20.18	19.94	19.91	21	3
20	64QAM	50	50	20.02	19.88	19.92		
20	64QAM	100	0	20.05	19.96	19.84		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.01	22.77	22.76		
15	QPSK	1	37	22.89	22.64	22.68	24	0
15	QPSK	1	74	22.80	22.65	22.66		
15	QPSK	36	0	21.99	21.79	21.73		
15	QPSK	36	20	21.99	21.69	21.77	23	1
15	QPSK	36	39	21.93	21.71	21.73		
15	QPSK	75	0	21.97	21.72	21.74		
15	16QAM	1	0	22.41	22.18	22.23		
15	16QAM	1	37	22.17	22.01	22.17	23	1
15	16QAM	1	74	22.18	21.96	22.06		
15	16QAM	36	0	21.10	20.86	20.89		
15	16QAM	36	20	21.11	20.84	20.87	22	2
15	16QAM	36	39	21.07	20.74	20.84		
15	16QAM	75	0	21.10	20.83	20.87		
15	64QAM	1	0	21.33	21.08	21.15		
15	64QAM	1	37	21.19	20.93	20.97	22	2
15	64QAM	1	74	21.14	20.92	20.88		
15	64QAM	36	0	20.15	19.91	19.95		
15	64QAM	36	20	20.13	19.83	19.88	21	3
15	64QAM	36	39	20.04	19.84	19.85		
15	64QAM	75	0	20.08	19.83	19.85		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.18	22.96	22.73		
10	QPSK	1	25	22.89	22.71	22.75	24	0
10	QPSK	1	49	23.10	22.83	22.76		
10	QPSK	25	0	22.01	21.77	21.74		
10	QPSK	25	12	21.98	21.73	21.72	23	1
10	QPSK	25	25	21.96	21.73	21.69		
10	QPSK	50	0	21.99	21.73	21.74		
10	16QAM	1	0	22.48	22.27	22.14		
10	16QAM	1	25	22.28	22.02	22.09	23	1
10	16QAM	1	49	22.47	22.26	22.00		
10	16QAM	25	0	21.12	20.85	20.87		
10	16QAM	25	12	21.12	20.85	20.87	22	2
10	16QAM	25	25	21.06	20.80	20.83		
10	16QAM	50	0	21.13	20.88	20.87		
10	64QAM	1	0	21.44	21.29	21.02		
10	64QAM	1	25	21.19	21.00	21.00	22	2
10	64QAM	1	49	21.37	21.18	20.96		
10	64QAM	25	0	20.12	19.89	19.88		
10	64QAM	25	12	20.11	19.88	19.89	21	3
10	64QAM	25	25	20.10	19.81	19.84		
10	64QAM	50	0	20.11	19.84	19.85		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.03	22.75	22.72		
5	QPSK	1	12	22.98	22.67	22.69	24	0
5	QPSK	1	24	22.99	22.68	22.70		
5	QPSK	12	0	22.04	21.79	21.72		
5	QPSK	12	7	22.04	21.74	21.78	23	1
5	QPSK	12	13	22.02	21.71	21.71		
5	QPSK	25	0	21.98	21.74	21.72		
5	16QAM	1	0	22.37	22.15	22.03		
5	16QAM	1	12	22.27	22.06	22.09	23	1
5	16QAM	1	24	22.33	22.04	22.07		
5	16QAM	12	0	21.15	20.81	20.91		
5	16QAM	12	7	21.14	20.85	20.91	22	2
5	16QAM	12	13	21.08	20.85	20.85		
5	16QAM	25	0	21.10	20.79	20.81		
5	64QAM	1	0	21.30	21.08	21.12		
5	64QAM	1	12	21.29	20.91	21.05	22	2
5	64QAM	1	24	21.28	20.97	21.04		
5	64QAM	12	0	20.18	19.91	19.88		
5	64QAM	12	7	20.21	19.95	19.92	21	3
5	64QAM	12	13	20.15	19.83	19.89		
5	64QAM	25	0	20.13	19.82	19.86		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.91	22.58	22.65		
3	QPSK	1	8	22.90	22.57	22.57	24	0
3	QPSK	1	14	22.89	22.61	22.59		
3	QPSK	8	0	21.90	21.66	21.61		
3	QPSK	8	4	21.94	21.66	21.65	23	1
3	QPSK	8	7	21.91	21.64	21.64		
3	QPSK	15	0	21.87	21.65	21.61		
3	16QAM	1	0	22.23	21.94	22.02		
3	16QAM	1	8	22.25	21.97	21.99	23	1
3	16QAM	1	14	22.10	21.85	21.88		
3	16QAM	8	0	21.06	20.78	20.76		
3	16QAM	8	4	21.09	20.80	20.85	22	2
3	16QAM	8	7	21.07	20.76	20.81		
3	16QAM	15	0	21.02	20.72	20.75		
3	64QAM	1	0	21.12	20.85	20.89		
3	64QAM	1	8	21.23	20.93	20.85	22	2
3	64QAM	1	14	21.19	20.91	20.86		
3	64QAM	8	0	20.11	19.76	19.77		
3	64QAM	8	4	20.08	19.78	19.82	21	3
3	64QAM	8	7	20.06	19.77	19.75		
3	64QAM	15	0	19.99	19.74	19.72		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.78	22.50	22.50		
1.4	QPSK	1	3	22.84	22.53	22.55		
1.4	QPSK	1	5	22.77	22.43	22.41	24	0
1.4	QPSK	3	0	22.81	22.47	22.51		
1.4	QPSK	3	1	22.86	22.57	22.54		
1.4	QPSK	3	3	22.82	22.54	22.57		
1.4	QPSK	6	0	21.79	21.53	21.53	23	1
1.4	16QAM	1	0	22.07	21.75	21.77		
1.4	16QAM	1	3	22.07	21.82	21.89		
1.4	16QAM	1	5	22.08	21.78	21.77	23	1
1.4	16QAM	3	0	21.91	21.62	21.59		
1.4	16QAM	3	1	21.92	21.68	21.67		
1.4	16QAM	3	3	21.83	21.59	21.55		
1.4	16QAM	6	0	21.00	20.66	20.69	22	2
1.4	64QAM	1	0	20.99	20.83	20.79		
1.4	64QAM	1	3	21.12	20.83	20.78		
1.4	64QAM	1	5	21.07	20.71	20.77	22	2
1.4	64QAM	3	0	21.04	20.72	20.71		
1.4	64QAM	3	1	21.05	20.81	20.72		
1.4	64QAM	3	3	21.04	20.75	20.68		
1.4	64QAM	6	0	19.89	19.55	19.60	21	3

LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.06	23.08	23.07		
20	QPSK	1	49	22.87	22.90	22.84	24	0
20	QPSK	1	99	22.91	22.93	22.93		
20	QPSK	50	0	21.94	22.05	21.97		
20	QPSK	50	24	22.03	22.03	21.94	23	1
20	QPSK	50	50	21.98	21.98	21.96		
20	QPSK	100	0	22.00	22.02	21.96		
20	16QAM	1	0	22.37	22.44	22.42		
20	16QAM	1	49	22.28	22.28	22.12	23	1
20	16QAM	1	99	22.36	22.31	22.21		
20	16QAM	50	0	21.05	21.16	21.12		
20	16QAM	50	24	21.15	21.11	21.03	22	2
20	16QAM	50	50	21.08	21.07	21.04		
20	16QAM	100	0	21.12	21.06	21.02		
20	64QAM	1	0	21.36	21.34	21.16		
20	64QAM	1	49	21.23	21.14	21.02	22	2
20	64QAM	1	99	21.02	21.07	21.08		
20	64QAM	50	0	20.09	20.09	20.05		
20	64QAM	50	24	20.11	20.06	20.01	21	3
20	64QAM	50	50	20.09	20.07	19.98		
20	64QAM	100	0	20.14	20.07	20.06		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.93	22.99	22.92		
15	QPSK	1	37	22.78	22.75	22.78	24	0
15	QPSK	1	74	22.88	22.81	22.85		
15	QPSK	36	0	21.85	21.95	21.90		
15	QPSK	36	20	21.85	21.92	21.86	23	1
15	QPSK	36	39	21.94	21.87	21.85		
15	QPSK	75	0	21.91	21.89	21.85		
15	16QAM	1	0	22.33	22.31	22.31		
15	16QAM	1	37	22.23	22.21	22.04	23	1
15	16QAM	1	74	22.24	22.11	22.22		
15	16QAM	36	0	20.94	21.00	20.96		
15	16QAM	36	20	20.88	20.96	20.92	22	2
15	16QAM	36	39	20.96	20.94	20.93		
15	16QAM	75	0	21.05	20.98	20.98		
15	64QAM	1	0	20.90	20.91	20.95		
15	64QAM	1	37	20.90	20.93	20.95	22	2
15	64QAM	1	74	20.94	20.93	20.95		
15	64QAM	36	0	19.89	19.96	19.93		
15	64QAM	36	20	19.92	19.94	19.97	21	3
15	64QAM	36	39	19.90	19.98	19.95		
15	64QAM	75	0	19.56	19.95	19.56		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.87	22.92	22.89		
10	QPSK	1	25	22.79	22.86	22.81	24	0
10	QPSK	1	49	22.84	22.87	22.84		
10	QPSK	25	0	21.90	21.93	21.91		
10	QPSK	25	12	21.82	21.94	21.91	23	1
10	QPSK	25	25	21.85	21.90	21.82		
10	QPSK	50	0	21.86	21.87	21.87		
10	16QAM	1	0	22.22	22.23	22.21		
10	16QAM	1	25	22.15	22.17	22.18	23	1
10	16QAM	1	49	22.23	22.18	22.08		
10	16QAM	25	0	20.93	21.04	21.00		
10	16QAM	25	12	20.94	21.01	21.01	22	2
10	16QAM	25	25	20.89	20.93	20.93		
10	16QAM	50	0	20.91	20.99	20.97		
10	64QAM	1	0	21.19	21.17	21.05		
10	64QAM	1	25	21.13	21.15	21.11	22	2
10	64QAM	1	49	21.12	21.12	20.89		
10	64QAM	25	0	19.97	19.93	20.01		
10	64QAM	25	12	19.97	19.99	19.96	21	3
10	64QAM	25	25	19.92	19.93	19.95		
10	64QAM	50	0	19.97	19.92	19.99		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.89	22.92	22.84		
5	QPSK	1	12	22.85	22.82	22.83	24	0
5	QPSK	1	24	22.80	22.84	22.84		
5	QPSK	12	0	21.83	21.88	21.88		
5	QPSK	12	7	21.90		21.89	23	1
5	QPSK	12	13	21.85	21.86	21.86		
5	QPSK	25	0	21.84	21.86	21.83		
5	16QAM	1	0	22.29	22.27	22.15		
5	16QAM	1	12	22.21	22.24	22.17	23	1
5	16QAM	1	24	22.17	22.24	22.13		
5	16QAM	12	0	20.93	21.03	21.00		
5	16QAM	12	7	20.94	21.01	20.97	22	2
5	16QAM	12	13	20.90	20.97	20.96		
5	16QAM	25	0	20.93	20.94	20.93		
5	64QAM	1	0	21.12	21.17	21.07		
5	64QAM	1	12	21.03	21.04	21.06	22	2
5	64QAM	1	24	21.05	21.09	20.99		
5	64QAM	12	0	19.91	19.89	19.93		
5	64QAM	12	7	19.96	19.96	19.99	21	3
5	64QAM	12	13	19.92	19.98	19.93		
5	64QAM	25	0	19.84	19.97	19.92		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.81	22.88	22.86		
3	QPSK	1	8	22.83	22.84	22.85	24	0
3	QPSK	1	14	22.82	22.83	22.79		
3	QPSK	8	0	21.83	21.88	21.86		
3	QPSK	8	4	21.87	21.89	21.91	23	1
3	QPSK	8	7	21.79	21.90	21.88		
3	QPSK	15	0	21.85	21.88	21.83		
3	16QAM	1	0	22.21	22.19	22.13		
3	16QAM	1	8	22.10	22.22	22.17	23	1
3	16QAM	1	14	22.15	22.17	22.05		
3	16QAM	8	0	21.00	21.03	21.00		
3	16QAM	8	4	21.02	21.01	21.04	22	2
3	16QAM	8	7	20.97	21.06	21.01		
3	16QAM	15	0	20.92	21.00	20.94		
3	64QAM	1	0	21.06	20.96	20.96		
3	64QAM	1	8	21.11	21.06	20.97	22	2
3	64QAM	1	14	21.06	21.10	21.05		
3	64QAM	8	0	19.97	19.97	19.96		
3	64QAM	8	4	19.97	19.99	20.01	21	3
3	64QAM	8	7	19.90	19.93	19.98		
3	64QAM	15	0	19.90	19.90	19.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.79	22.77	22.75		
1.4	QPSK	1	3	22.80	22.87	22.84		
1.4	QPSK	1	5	22.79	22.75	22.74	24	0
1.4	QPSK	3	0	22.81	22.84	22.80		
1.4	QPSK	3	1	22.85	22.90	22.85		
1.4	QPSK	3	3	22.82	22.84	22.79		
1.4	QPSK	6	0	21.78	21.83	21.80	23	1
1.4	16QAM	1	0	22.03	22.15	22.09		
1.4	16QAM	1	3	22.16	22.18	22.15		
1.4	16QAM	1	5	22.20	22.03	22.11	23	1
1.4	16QAM	3	0	21.92	21.99	21.88		
1.4	16QAM	3	1	21.92	21.92	21.98		
1.4	16QAM	3	3	21.89	21.92	21.91		
1.4	16QAM	6	0	20.94	20.99	20.97	22	2
1.4	64QAM	1	0	21.04	21.08	20.97		
1.4	64QAM	1	3	21.08	21.15	21.05		
1.4	64QAM	1	5	21.03	21.00	20.93	22	2
1.4	64QAM	3	0	20.95	20.90	20.91		
1.4	64QAM	3	1	20.97	21.03	20.97		
1.4	64QAM	3	3	20.92	20.97	20.93		
1.4	64QAM	6	0	19.88	19.91	19.82	21	3

LTE Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.38	23.28	23.20		
10	QPSK	1	25	23.27	23.23	23.05	24	0
10	QPSK	1	49	23.22	23.02	22.89		
10	QPSK	25	0	22.36	22.28	22.22		
10	QPSK	25	12	22.33	22.27	22.07	23	1
10	QPSK	25	25	22.33	22.20	22.06		
10	QPSK	50	0	22.35	22.25	22.18		
10	16QAM	1	0	22.56	22.54	22.56		
10	16QAM	1	25	22.54	22.58	22.28	23	1
10	16QAM	1	49	22.61	22.32	22.20		
10	16QAM	25	0	21.41	21.44	21.30		
10	16QAM	25	12	21.44	21.42	21.19	22	2
10	16QAM	25	25	21.39	21.34	21.13		
10	16QAM	50	0	21.43	21.39	21.26		
10	64QAM	1	0	21.62	21.51	21.51		
10	64QAM	1	25	21.58	21.48	21.31	22	2
10	64QAM	1	49	21.51	21.27	21.20		
10	64QAM	25	0	20.43	20.41	20.31		
10	64QAM	25	12	20.49	20.37	20.19	21	3
10	64QAM	25	25	20.38	20.34	20.11		
10	64QAM	50	0	20.44	20.38	20.29		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.36	23.26	23.05		
5	QPSK	1	12	23.32	23.25	23.12	24	0
5	QPSK	1	24	23.30	23.21	23.25		
5	QPSK	12	0	22.33	22.27	22.02		
5	QPSK	12	7	22.38	22.28	22.06	23	1
5	QPSK	12	13	22.37	22.26	21.99		
5	QPSK	25	0	22.37	22.27	22.02		
5	16QAM	1	0	22.57	22.66	22.36		
5	16QAM	1	12	22.58	22.49	22.27	23	1
5	16QAM	1	24	22.63	22.50	22.31		
5	16QAM	12	0	21.49	21.39	21.15		
5	16QAM	12	7	21.48	21.38	21.18	22	2
5	16QAM	12	13	21.41	21.33	21.09		
5	16QAM	25	0	21.44	21.37	21.11		
5	64QAM	1	0	21.64	21.58	21.30		
5	64QAM	1	12	21.59	21.49	21.24	22	2
5	64QAM	1	24	21.56	21.49	21.20		
5	64QAM	12	0	20.54	20.42	20.19		
5	64QAM	12	7	20.48	20.44	20.18	21	3
5	64QAM	12	13	20.49	20.42	20.16		
5	64QAM	25	0	20.49	20.35	20.13		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.34	23.24	23.00		
3	QPSK	1	8	23.33	23.20	22.94	24	0
3	QPSK	1	14	23.32	23.23	22.92		
3	QPSK	8	0	22.36	22.27	22.04		
3	QPSK	8	4	22.38	22.26	21.97	23	1
3	QPSK	8	7	22.35	22.25	21.96		
3	QPSK	15	0	22.37	22.25	21.95		
3	16QAM	1	0	22.65	22.56	22.43		
3	16QAM	1	8	22.58	22.57	22.32	23	1
3	16QAM	1	14	22.51	22.54	22.20		
3	16QAM	8	0	21.45	21.40	21.16		
3	16QAM	8	4	21.47	21.41	21.17	22	2
3	16QAM	8	7	21.46	21.41	21.14		
3	16QAM	15	0	21.48	21.37	21.09		
3	64QAM	1	0	21.57	21.59	21.30		
3	64QAM	1	8	21.51	21.51	21.27	22	2
3	64QAM	1	14	21.52	21.54	21.26		
3	64QAM	8	0	20.46	20.41	20.13		
3	64QAM	8	4	20.46	20.39	20.19	21	3
3	64QAM	8	7	20.43	20.41	20.13		
3	64QAM	15	0	20.48	20.37	20.10		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.91	22.58	22.65		
1.4	QPSK	1	3	22.90	22.57	22.57		
1.4	QPSK	1	5	22.89	22.61	22.59	24	0
1.4	QPSK	3	0	22.67	22.43	22.38		
1.4	QPSK	3	1	22.71	22.43	22.42		
1.4	QPSK	3	3	22.68	22.41	22.41		
1.4	QPSK	6	0	21.87	21.65	21.61	23	1
1.4	16QAM	1	0	22.23	21.94	22.02		
1.4	16QAM	1	3	22.25	21.97	21.99		
1.4	16QAM	1	5	22.10	21.85	21.88	23	1
1.4	16QAM	3	0	21.83	21.55	21.53		
1.4	16QAM	3	1	21.86	21.57	21.62		
1.4	16QAM	3	3	21.84	21.53	21.58		
1.4	16QAM	6	0	21.02	20.72	20.75	22	2
1.4	64QAM	1	0	21.12	20.85	20.89		
1.4	64QAM	1	3	21.23	20.93	20.85		
1.4	64QAM	1	5	21.19	20.91	20.86	22	2
1.4	64QAM	3	0	20.88	20.53	20.54		
1.4	64QAM	3	1	20.85	20.55	20.59		
1.4	64QAM	3	3	20.83	20.54	20.52		
1.4	64QAM	6	0	19.99	19.74	19.72	21	3

LTE Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.68	22.71	23.07	24	0
20	QPSK	1	49	22.60	22.61	22.95		
20	QPSK	1	99	22.60	22.62	22.92		
20	QPSK	50	0	21.82	21.84	22.04	23	1
20	QPSK	50	24	21.75	21.76	22.00		
20	QPSK	50	50	21.65	21.72	21.99		
20	QPSK	100	0	21.75	21.77	22.03		
20	16QAM	1	0	21.92	21.92	22.23	23	1
20	16QAM	1	49	21.86	21.83	22.16		
20	16QAM	1	99	21.88	21.87	22.18		
20	16QAM	50	0	20.89	20.89	21.11	22	2
20	16QAM	50	24	20.84	20.85	21.08		
20	16QAM	50	50	20.76	20.81	21.03		
20	16QAM	100	0	20.78	20.84	21.04		
20	64QAM	1	0	20.86	20.95	21.20	22	2
20	64QAM	1	49	20.85	20.86	21.10		
20	64QAM	1	99	20.72	20.88	21.04		
20	64QAM	50	0	19.90	19.92	20.09	21	3
20	64QAM	50	24	19.84	19.87	20.12		
20	64QAM	50	50	19.77	19.81	20.03		
20	64QAM	100	0	19.84	19.88	20.05		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.70	22.76	23.06	24	0
15	QPSK	1	37	22.61	22.68	22.94		
15	QPSK	1	74	22.63	22.68	22.93		
15	QPSK	36	0	21.78	21.81	22.02	23	1
15	QPSK	36	20	21.81	21.76	22.01		
15	QPSK	36	39	21.73	21.73	21.96		
15	QPSK	75	0	21.74	21.81	22.01		
15	16QAM	1	0	21.79	22.01	22.29	23	1
15	16QAM	1	37	21.79	21.82	22.27		
15	16QAM	1	74	21.90	21.95	22.20		
15	16QAM	36	0	20.80	20.86	21.07	22	2
15	16QAM	36	20	20.82	20.82	21.05		
15	16QAM	36	39	20.72	20.75	21.04		
15	16QAM	75	0	20.84	20.88	21.07		
15	64QAM	1	0	20.85	20.96	21.18	22	2
15	64QAM	1	37	20.71	20.86	21.11		
15	64QAM	1	74	20.76	20.86	21.05		
15	64QAM	36	0	19.83	19.90	20.13	21	3
15	64QAM	36	20	19.88	19.87	20.15		
15	64QAM	36	39	19.79	19.79	20.06		
15	64QAM	75	0	19.84	19.82	20.09		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.79	22.77	23.04	24	0
10	QPSK	1	25	22.68	22.71	23.03		
10	QPSK	1	49	22.65	22.69	22.98		
10	QPSK	25	0	21.72	21.82	22.06	23	1
10	QPSK	25	12	21.75	21.79	22.07		
10	QPSK	25	25	21.75	21.79	22.00		
10	QPSK	50	0	21.79	21.81	22.04		
10	16QAM	1	0	21.92	22.06	22.34	23	1
10	16QAM	1	25	21.88	21.94	22.24		
10	16QAM	1	49	21.89	21.96	22.21		
10	16QAM	25	0	20.76	20.87	21.11	22	2
10	16QAM	25	12	20.83	20.87	21.10		
10	16QAM	25	25	20.81	20.82	21.04		
10	16QAM	50	0	20.87	20.83	21.11		
10	64QAM	1	0	20.88	20.90	21.19	22	2
10	64QAM	1	25	20.80	20.84	21.16		
10	64QAM	1	49	20.88	20.85	21.18		
10	64QAM	25	0	19.79	19.86	20.10	21	3
10	64QAM	25	12	19.82	19.87	20.13		
10	64QAM	25	25	19.78	19.82	20.09		
10	64QAM	50	0	19.87	19.83	20.08		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.75	22.74	23.05	24	0
5	QPSK	1	12	22.76	22.79	23.06		
5	QPSK	1	24	22.70	22.73	23.04		
5	QPSK	12	0	21.79	21.77	22.06	23	1
5	QPSK	12	7	21.80	21.79	22.12		
5	QPSK	12	13	21.76	21.80	22.04		
5	QPSK	25	0	21.81	21.82	22.09		
5	16QAM	1	0	21.89	21.95	22.25	23	1
5	16QAM	1	12	21.95	22.05	22.34		
5	16QAM	1	24	21.88	21.90	22.10		
5	16QAM	12	0	20.76	20.84	21.12	22	2
5	16QAM	12	7	20.78	20.88	21.17		
5	16QAM	12	13	20.76	20.83	21.14		
5	16QAM	25	0	20.77	20.84	21.13		
5	64QAM	1	0	20.88	20.93	21.28	22	2
5	64QAM	1	12	20.83	20.90	21.21		
5	64QAM	1	24	20.80	20.86	21.18		
5	64QAM	12	0	19.90	19.86	20.18	21	3
5	64QAM	12	7	19.84	19.91	20.18		
5	64QAM	12	13	19.86	19.87	20.15		
5	64QAM	25	0	19.84	19.84	20.16		

LTE Band 12

BW [MHz]	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	22.92	23.09	23.04	24	0
10	QPSK	1	25	22.82	23.00	22.94		
10	QPSK	1	49	22.79	22.91	22.93		
10	QPSK	25	0	22.02	22.08	22.06	23	1
10	QPSK	25	12	22.06	22.04	22.01		
10	QPSK	25	25	22.02	22.00	22.00		
10	QPSK	50	0	22.07	22.08	22.01		
10	16QAM	1	0	22.31	22.27	22.40	23	1
10	16QAM	1	25	22.24	22.25	22.20		
10	16QAM	1	49	22.18	22.28	22.23		
10	16QAM	25	0	21.17	21.20	21.13	22	2
10	16QAM	25	12	21.18	21.17	21.10		
10	16QAM	25	25	21.11	21.07	21.07		
10	16QAM	50	0	21.15	21.11	21.13		
10	64QAM	1	0	21.25	21.28	21.40	22	2
10	64QAM	1	25	21.30	21.26	21.25		
10	64QAM	1	49	21.19	21.22	21.13		
10	64QAM	25	0	20.19	20.17	20.17	21	3
10	64QAM	25	12	20.19	20.15	20.14		
10	64QAM	25	25	20.12	20.05	20.08		
10	64QAM	50	0	20.18	20.14	20.12		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	23.08	22.98	23.02	24	0
5	QPSK	1	12	22.99	23.00	22.97		
5	QPSK	1	24	22.97	22.95	22.91		
5	QPSK	12	0	22.06	22.07	22.02	23	1
5	QPSK	12	7	22.03	22.07	22.02		
5	QPSK	12	13	22.00	22.02	21.99		
5	QPSK	25	0	22.04	22.05	21.97		
5	16QAM	1	0	22.35	22.32	22.33	23	1
5	16QAM	1	12	22.36	22.28	22.26		
5	16QAM	1	24	22.27	22.31	22.26		
5	16QAM	12	0	21.11	21.16	21.09	22	2
5	16QAM	12	7	21.18	21.12	21.12		
5	16QAM	12	13	21.12	21.09	21.05		
5	16QAM	25	0	21.11	21.13	21.08		
5	64QAM	1	0	21.29	21.24	21.22	22	2
5	64QAM	1	12	21.29	21.22	21.27		
5	64QAM	1	24	21.16	21.17	21.09		
5	64QAM	12	0	20.13	20.17	20.14	21	3
5	64QAM	12	7	20.22	20.20	20.12		
5	64QAM	12	13	20.11	20.13	20.10		
5	64QAM	25	0	20.10	20.11	20.08		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.05	23.06	23.00	24	0
3	QPSK	1	8	23.04	23.00	22.95		
3	QPSK	1	14	23.01	22.99	22.95		
3	QPSK	8	0	22.08	22.05	21.98	23	1
3	QPSK	8	4	22.07	22.09	21.99		
3	QPSK	8	7	22.02	22.05	21.97		
3	QPSK	15	0	22.07	22.04	22.00		
3	16QAM	1	0	22.28	22.37	22.32	23	1
3	16QAM	1	8	22.29	22.26	22.28		
3	16QAM	1	14	22.22	22.31	22.14		
3	16QAM	8	0	21.16	21.19	21.14	22	2
3	16QAM	8	4	21.16	21.17	21.12		
3	16QAM	8	7	21.14	21.14	21.09		
3	16QAM	15	0	21.14	21.13	21.10		
3	64QAM	1	0	21.28	21.29	21.27	22	2
3	64QAM	1	8	21.27	21.30	21.21		
3	64QAM	1	14	21.32	21.23	21.17		
3	64QAM	8	0	20.12	20.23	20.08	21	3
3	64QAM	8	4	20.19	20.19	20.16		
3	64QAM	8	7	20.18	20.16	20.09		
3	64QAM	15	0	20.15	20.17	20.08		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.93	22.91	22.79	24	0
1.4	QPSK	1	3	22.94	22.99	22.91		
1.4	QPSK	1	5	22.92	22.94	22.82		
1.4	QPSK	3	0	22.97	22.96	22.89		
1.4	QPSK	3	1	23.05	23.00	22.93		
1.4	QPSK	3	3	22.97	22.97	22.88		
1.4	QPSK	6	0	22.02	21.94	21.85	23	1
1.4	16QAM	1	0	22.13	22.28	22.12	23	1
1.4	16QAM	1	3	22.32	22.24	22.21		
1.4	16QAM	1	5	22.21	22.12	22.08		
1.4	16QAM	3	0	21.93	22.01	21.96		
1.4	16QAM	3	1	22.07	22.09	21.99		
1.4	16QAM	3	3	21.94	22.02	21.94		
1.4	16QAM	6	0	21.08	21.11	21.00	22	2
1.4	64QAM	1	0	21.15	21.12	21.19	22	2
1.4	64QAM	1	3	21.23	21.19	21.21		
1.4	64QAM	1	5	21.13	21.09	20.98		
1.4	64QAM	3	0	21.11	21.11	21.04		
1.4	64QAM	3	1	21.16	21.21	21.13		
1.4	64QAM	3	3	21.11	21.07	21.10		
1.4	64QAM	6	0	20.06	20.04	19.96	21	3

LTE Band 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		22.88		24	0
10	QPSK	1	25		22.54			
10	QPSK	1	49		22.56			
10	QPSK	25	0		21.67		23	1
10	QPSK	25	12		21.66			
10	QPSK	25	25		21.57			
10	QPSK	50	0		21.65			
10	16QAM	1	0		21.87		23	1
10	16QAM	1	25		22.03			
10	16QAM	1	49		22.00			
10	16QAM	25	0		20.79		22	2
10	16QAM	25	12		20.74			
10	16QAM	25	25		20.71			
10	16QAM	50	0		20.73			
10	64QAM	1	0		20.90		22	2
10	64QAM	1	25		20.97			
10	64QAM	1	49		20.92			
10	64QAM	25	0		19.84		21	3
10	64QAM	25	12		19.79			
10	64QAM	25	25		19.68			
10	64QAM	50	0		19.76			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.43	22.60	22.66	24	0
5	QPSK	1	12	22.37	22.64	22.60		
5	QPSK	1	24	22.51	22.56	22.66		
5	QPSK	12	0	21.57	21.71	21.69	23	1
5	QPSK	12	7	21.63	21.72	21.65		
5	QPSK	12	13	21.62	21.66	21.73		
5	QPSK	25	0	21.64	21.67	21.65		
5	16QAM	1	0	21.89	21.89	22.10	23	1
5	16QAM	1	12	21.72	21.90	22.15		
5	16QAM	1	24	21.86	21.89	22.06		
5	16QAM	12	0	20.68	20.85	20.78	22	2
5	16QAM	12	7	20.83	20.85	20.77		
5	16QAM	12	13	20.71	20.78	20.83		
5	16QAM	25	0	20.80	20.79	20.75		
5	64QAM	1	0	20.92	20.88	20.97	22	2
5	64QAM	1	12	20.84	20.89	20.97		
5	64QAM	1	24	20.94	20.88	20.95		
5	64QAM	12	0	19.80	19.88	19.81	21	3
5	64QAM	12	7	19.88	19.87	19.86		
5	64QAM	12	13	19.84	19.81	19.92		
5	64QAM	25	0	19.85	19.81	19.73		

LTE Band 14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23330			
Frequency (MHz)					793			
10	QPSK	1	0		23.11		24	0
10	QPSK	1	25		23.10			
10	QPSK	1	49		23.02			
10	QPSK	25	0		22.10		23	1
10	QPSK	25	12		22.08			
10	QPSK	25	25		22.01			
10	QPSK	50	0		22.07			
10	16QAM	1	0		21.93		23	1
10	16QAM	1	25		22.34			
10	16QAM	1	49		22.18			
10	16QAM	25	0		21.08		22	2
10	16QAM	25	12		21.17			
10	16QAM	25	25		21.13			
10	16QAM	50	0		21.17			
10	64QAM	1	0		20.96		22	2
10	64QAM	1	25		21.25			
10	64QAM	1	49		21.32			
10	64QAM	25	0		20.05		21	3
10	64QAM	25	12		20.18			
10	64QAM	25	25		20.12			
10	64QAM	50	0		20.15			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	22.81	22.91	23.06	24	0
5	QPSK	1	12	22.90	22.93	23.10		
5	QPSK	1	24	23.06	23.06	23.05		
5	QPSK	12	0	21.88	22.03	22.07	23	1
5	QPSK	12	7	22.07	22.09	22.07		
5	QPSK	12	13	21.92	22.02	22.12		
5	QPSK	25	0	22.06	22.05	22.03		
5	16QAM	1	0	21.92	22.13	22.26	23	1
5	16QAM	1	12	22.13	22.31	22.38		
5	16QAM	1	24	22.29	22.32	22.17		
5	16QAM	12	0	20.87	21.11	21.09	22	2
5	16QAM	12	7	21.03	21.08	21.12		
5	16QAM	12	13	20.96	21.06	21.20		
5	16QAM	25	0	20.99	21.13	21.10		
5	64QAM	1	0	20.91	21.07	21.30	22	2
5	64QAM	1	12	21.12	21.27	21.35		
5	64QAM	1	24	21.23	21.30	21.24		
5	64QAM	12	0	19.95	20.17	20.16	21	3
5	64QAM	12	7	20.06	20.19	20.22		
5	64QAM	12	13	20.10	20.16	20.25		
5	64QAM	25	0	20.04	20.12	20.15		

LTE Band 17

BW [MHz]	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	23.14	23.11	23.11	24	0
10	QPSK	1	25	23.05	23.01	22.85		
10	QPSK	1	49	22.79	22.81	22.77		
10	QPSK	25	0	22.14	22.10	22.07	23	1
10	QPSK	25	12	22.09	22.10	22.09		
10	QPSK	25	25	22.00	22.03	21.92		
10	QPSK	50	0	22.11	22.09	22.07		
10	16QAM	1	0	22.52	22.39	22.38	23	1
10	16QAM	1	25	22.31	22.36	22.16		
10	16QAM	1	49	22.15	22.21	22.05		
10	16QAM	25	0	21.18	21.20	21.17	22	2
10	16QAM	25	12	21.19	21.13	21.17		
10	16QAM	25	25	21.11	21.08	20.98		
10	16QAM	50	0	21.16	21.15	21.13		
10	64QAM	1	0	21.44	21.27	21.42	22	2
10	64QAM	1	25	21.23	21.34	21.10		
10	64QAM	1	49	21.15	21.08	21.02		
10	64QAM	25	0	20.21	20.19	20.17	21	3
10	64QAM	25	12	20.15	20.20	20.16		
10	64QAM	25	25	20.13	20.15	20.03		
10	64QAM	50	0	20.16	20.19	20.14		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	23.12	23.07	22.85	24	0
5	QPSK	1	12	23.07	22.99	22.81		
5	QPSK	1	24	23.05	22.88	22.83		
5	QPSK	12	0	22.15	22.07	21.92	23	1
5	QPSK	12	7	22.10	22.05	21.90		
5	QPSK	12	13	22.03	22.01	21.89		
5	QPSK	25	0	22.06	22.05	21.88		
5	16QAM	1	0	22.55	22.42	22.21	23	1
5	16QAM	1	12	22.43	22.37	22.20		
5	16QAM	1	24	22.36	22.20	22.14		
5	16QAM	12	0	21.20	21.14	21.06	22	2
5	16QAM	12	7	21.19	21.12	21.05		
5	16QAM	12	13	21.16	21.14	21.00		
5	16QAM	25	0	21.20	21.14	21.01		
5	64QAM	1	0	21.49	21.36	21.10	22	2
5	64QAM	1	12	21.29	21.23	21.14		
5	64QAM	1	24	21.23	21.10	21.02		
5	64QAM	12	0	20.27	20.22	20.04	21	3
5	64QAM	12	7	20.25	20.22	20.06		
5	64QAM	12	13	20.19	20.15	20.01		
5	64QAM	25	0	20.18	20.12	19.99		

LTE Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	23.18	23.09	22.90	24	0
20	QPSK	1	49	22.90	22.90	22.86		
20	QPSK	1	99	22.89	22.96	22.88		
20	QPSK	50	0	22.07	22.02	21.93	23	1
20	QPSK	50	24	21.97	21.96	21.97		
20	QPSK	50	50	21.94	21.89	21.92		
20	QPSK	100	0	22.03	22.01	21.88		
20	16QAM	1	0	22.56	22.49	22.18	23	1
20	16QAM	1	49	22.22	22.19	22.23		
20	16QAM	1	99	22.41	22.40	22.20		
20	16QAM	50	0	21.15	21.15	21.00	22	2
20	16QAM	50	24	21.11	21.09	21.09		
20	16QAM	50	50	21.02	21.02	21.03		
20	16QAM	100	0	21.08	21.04	21.01		
20	64QAM	1	0	21.52	21.41	21.13	22	2
20	64QAM	1	49	21.24	21.20	21.23		
20	64QAM	1	99	21.39	21.30	21.20		
20	64QAM	50	0	20.16	20.10	20.02	21	3
20	64QAM	50	24	20.07	20.05	20.05		
20	64QAM	50	50	20.05	19.97	20.08		
20	64QAM	100	0	20.07	20.08	20.01		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	23.02	22.89	22.97	24	0
15	QPSK	1	37	22.93	22.80	22.86		
15	QPSK	1	74	22.88	22.85	22.83		
15	QPSK	36	0	22.08	22.00	21.98	23	1
15	QPSK	36	20	22.02	21.99	21.91		
15	QPSK	36	39	22.00	21.91	21.92		
15	QPSK	75	0	22.00	21.93	21.95		
15	16QAM	1	0	22.34	22.33	22.35	23	1
15	16QAM	1	37	22.29	22.19	22.17		
15	16QAM	1	74	22.16	22.30	22.22		
15	16QAM	36	0	21.19	21.10	21.07	22	2
15	16QAM	36	20	21.14	21.03	21.10		
15	16QAM	36	39	21.13	21.04	21.03		
15	16QAM	75	0	21.12	21.05	21.07		
15	64QAM	1	0	21.31	21.27	21.38	22	2
15	64QAM	1	37	21.26	21.09	21.15		
15	64QAM	1	74	21.18	21.15	21.20		
15	64QAM	36	0	20.21	20.12	20.13	21	3
15	64QAM	36	20	20.18	20.12	20.08		
15	64QAM	36	39	20.14	20.03	20.02		
15	64QAM	75	0	20.12	20.02	20.04		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	23.16	23.05	22.87	24	0
10	QPSK	1	25	22.93	22.82	22.82		
10	QPSK	1	49	23.09	23.00	22.69		
10	QPSK	25	0	22.01	21.94	21.83	23	1
10	QPSK	25	12	21.98	21.95	21.85		
10	QPSK	25	25	21.93	21.91	21.79		
10	QPSK	50	0	21.95	21.92	21.82		
10	16QAM	1	0	22.55	22.40	22.08	23	1
10	16QAM	1	25	22.25	22.19	22.07		
10	16QAM	1	49	22.49	22.41	22.10		
10	16QAM	25	0	21.13	21.07	20.96	22	2
10	16QAM	25	12	21.09	21.01	20.98		
10	16QAM	25	25	21.05	20.97	20.94		
10	16QAM	50	0	21.10	21.07	20.96		
10	64QAM	1	0	21.46	21.28	21.06	22	2
10	64QAM	1	25	21.10	21.12	21.00		
10	64QAM	1	49	21.39	21.36	21.11		
10	64QAM	25	0	20.15	19.95	19.99	21	3
10	64QAM	25	12	20.13	20.06	19.94		
10	64QAM	25	25	20.04	20.00	19.95		
10	64QAM	50	0	20.15	20.04	19.92		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	22.90	22.73	22.76	24	0
5	QPSK	1	12	22.83	22.78	22.68		
5	QPSK	1	24	22.82	22.76	22.74		
5	QPSK	12	0	21.94	21.87	21.79	23	1
5	QPSK	12	7	21.95	21.87	21.80		
5	QPSK	12	13	21.93	21.84	21.77		
5	QPSK	25	0	21.89	21.80	21.77		
5	16QAM	1	0	22.27	22.02	22.07	23	1
5	16QAM	1	12	22.28	22.03	22.01		
5	16QAM	1	24	22.14	22.12	22.20		
5	16QAM	12	0	21.06	21.01	20.93	22	2
5	16QAM	12	7	21.03	20.92	20.94		
5	16QAM	12	13	21.05	20.89	20.92		
5	16QAM	25	0	21.04	20.96	20.91		
5	64QAM	1	0	21.13	20.97	21.08	22	2
5	64QAM	1	12	21.19	21.09	21.03		
5	64QAM	1	24	21.17	21.01	21.00		
5	64QAM	12	0	20.08	20.00	20.01	21	3
5	64QAM	12	7	20.10	20.02	19.99		
5	64QAM	12	13	20.06	19.97	19.90		
5	64QAM	25	0	20.00	19.93	19.88		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	22.78	22.55	22.63	24	0
3	QPSK	1	8	22.77	22.67	22.64		
3	QPSK	1	14	22.75	22.67	22.64		
3	QPSK	8	0	21.84	21.73	21.66	23	1
3	QPSK	8	4	21.80	21.80	21.73		
3	QPSK	8	7	21.78	21.73	21.66		
3	QPSK	15	0	21.81	21.70	21.70		
3	16QAM	1	0	22.10	21.99	21.97	23	1
3	16QAM	1	8	22.09	22.11	22.10		
3	16QAM	1	14	22.02	21.99	21.91		
3	16QAM	8	0	20.97	20.85	20.85	22	2
3	16QAM	8	4	20.96	20.90	20.90		
3	16QAM	8	7	20.97	20.86	20.86		
3	16QAM	15	0	20.92	20.86	20.77		
3	64QAM	1	0	21.06	20.93	21.03	22	2
3	64QAM	1	8	21.06	20.98	20.95		
3	64QAM	1	14	21.04	20.95	20.85		
3	64QAM	8	0	19.94	19.87	19.86	21	3
3	64QAM	8	4	20.00	19.86	19.90		
3	64QAM	8	7	19.96	19.85	19.88		
3	64QAM	15	0	19.91	19.80	19.76		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	22.63	22.54	22.41	24	0
1.4	QPSK	1	3	22.68	22.54	22.54		
1.4	QPSK	1	5	22.60	22.46	22.42		
1.4	QPSK	3	0	22.69	22.58	22.50		
1.4	QPSK	3	1	22.71	22.60	22.56		
1.4	QPSK	3	3	22.66	22.58	22.48		
1.4	QPSK	6	0	21.66	21.59	21.49	23	1
1.4	16QAM	1	0	21.86	21.90	21.85	23	1
1.4	16QAM	1	3	21.96	21.92	21.85		
1.4	16QAM	1	5	21.92	21.83	21.86		
1.4	16QAM	3	0	21.68	21.64	21.67		
1.4	16QAM	3	1	21.79	21.71	21.69		
1.4	16QAM	3	3	21.68	21.66	21.64		
1.4	16QAM	6	0	20.79	20.73	20.74	22	2
1.4	64QAM	1	0	20.80	20.77	20.84	22	2
1.4	64QAM	1	3	20.98	20.86	20.86		
1.4	64QAM	1	5	20.89	20.77	20.73		
1.4	64QAM	3	0	20.85	20.78	20.81		
1.4	64QAM	3	1	20.87	20.89	20.75		
1.4	64QAM	3	3	20.89	20.75	20.77		
1.4	64QAM	6	0	19.80	19.70	19.59	21	3

LTE Band 26

BW [MHz]	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	23.17	23.30	23.20	24	0
15	QPSK	1	37	23.20	23.05	22.96		
15	QPSK	1	74	22.92	23.04	22.82		
15	QPSK	36	0	22.25	22.28	22.19	23	1
15	QPSK	36	20	22.26	22.26	22.07		
15	QPSK	36	39	22.12	22.15	21.95		
15	QPSK	75	0	22.21	22.29	22.17		
15	16QAM	1	0	22.38	22.52	22.49	23	1
15	16QAM	1	37	22.52	22.42	22.29		
15	16QAM	1	74	22.27	22.29	22.09		
15	16QAM	36	0	21.33	21.25	21.32	22	2
15	16QAM	36	20	21.35	21.35	21.13		
15	16QAM	36	39	21.27	21.21	21.02		
15	16QAM	75	0	21.29	21.35	21.20		
15	64QAM	1	0	21.36	21.47	21.48	22	2
15	64QAM	1	37	21.51	21.41	21.24		
15	64QAM	1	74	21.22	21.31	21.07		
15	64QAM	36	0	20.41	20.32	20.33	21	3
15	64QAM	36	20	20.39	20.43	20.14		
15	64QAM	36	39	20.29	20.27	20.08		
15	64QAM	75	0	20.33	20.32	20.22		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	23.15	23.11	22.97	24	0
10	QPSK	1	25	23.09	23.17	22.89		
10	QPSK	1	49	23.08	23.00	22.80		
10	QPSK	25	0	22.20	22.27	22.01	23	1
10	QPSK	25	12	22.19	22.25	21.99		
10	QPSK	25	25	22.22	22.21	21.91		
10	QPSK	50	0	22.24	22.23	21.98		
10	16QAM	1	0	22.53	22.45	22.21	23	1
10	16QAM	1	25	22.34	22.55	22.31		
10	16QAM	1	49	22.31	22.35	22.09		
10	16QAM	25	0	21.28	21.32	21.13	22	2
10	16QAM	25	12	21.25	21.35	21.08		
10	16QAM	25	25	21.28	21.30	21.03		
10	16QAM	50	0	21.30	21.29	21.07		
10	64QAM	1	0	21.41	21.36	21.28	22	2
10	64QAM	1	25	21.31	21.50	21.17		
10	64QAM	1	49	21.38	21.41	21.03		
10	64QAM	25	0	20.28	20.37	20.15	21	3
10	64QAM	25	12	20.24	20.32	20.13		
10	64QAM	25	25	20.27	20.26	20.04		
10	64QAM	50	0	20.34	20.34	20.09		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	23.18	23.22	22.96	24	0
5	QPSK	1	12	23.13	23.21	22.84		
5	QPSK	1	24	23.08	23.15	22.83		
5	QPSK	12	0	22.19	22.19	21.93	23	1
5	QPSK	12	7	22.22	22.23	21.99		
5	QPSK	12	13	22.16	22.19	21.93		
5	QPSK	25	0	22.17	22.23	21.89		
5	16QAM	1	0	22.38	22.58	22.19	23	1
5	16QAM	1	12	22.46	22.45	22.24		
5	16QAM	1	24	22.45	22.41	22.08		
5	16QAM	12	0	21.23	21.34	21.04	22	2
5	16QAM	12	7	21.29	21.33	21.03		
5	16QAM	12	13	21.22	21.30	21.02		
5	16QAM	25	0	21.23	21.32	21.04		
5	64QAM	1	0	21.45	21.53	21.18	22	2
5	64QAM	1	12	21.37	21.52	21.18		
5	64QAM	1	24	21.36	21.54	21.11		
5	64QAM	12	0	20.34	20.35	20.10	21	3
5	64QAM	12	7	20.33	20.41	20.16		
5	64QAM	12	13	20.24	20.31	20.08		
5	64QAM	25	0	20.24	20.35	20.01		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	23.26	23.29	22.99	24	0
3	QPSK	1	8	23.24	23.26	22.92		
3	QPSK	1	14	23.19	23.23	22.93		
3	QPSK	8	0	22.26	22.32	22.01	23	1
3	QPSK	8	4	22.27	22.32	22.00		
3	QPSK	8	7	22.27	22.26	21.99		
3	QPSK	15	0	22.27	22.31	22.03		
3	16QAM	1	0	22.42	22.65	22.35	23	1
3	16QAM	1	8	22.50	22.60	22.30		
3	16QAM	1	14	22.41	22.57	22.18		
3	16QAM	8	0	21.37	21.47	21.13	22	2
3	16QAM	8	4	21.36	21.47	21.17		
3	16QAM	8	7	21.39	21.46	21.14		
3	16QAM	15	0	21.40	21.40	21.12		
3	64QAM	1	0	21.51	21.54	21.28	22	2
3	64QAM	1	8	21.51	21.54	21.23		
3	64QAM	1	14	21.51	21.45	21.25		
3	64QAM	8	0	20.39	20.45	20.19	21	3
3	64QAM	8	4	20.39	20.50	20.16		
3	64QAM	8	7	20.39	20.41	20.11		
3	64QAM	15	0	20.37	20.39	20.07		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	23.11	23.12	22.83	24	0
1.4	QPSK	1	3	23.20	23.22	22.91		
1.4	QPSK	1	5	23.12	23.15	22.82		
1.4	QPSK	3	0	23.20	23.22	22.88		
1.4	QPSK	3	1	23.20	23.26	22.90		
1.4	QPSK	3	3	23.16	23.21	22.85		
1.4	QPSK	6	0	22.21	22.25	21.86	23	1
1.4	16QAM	1	0	22.48	22.46	22.10	23	1
1.4	16QAM	1	3	22.52	22.51	22.21		
1.4	16QAM	1	5	22.33	22.53	22.06		
1.4	16QAM	3	0	22.22	22.25	22.03		
1.4	16QAM	3	1	22.23	22.29	22.03		
1.4	16QAM	3	3	22.17	22.24	21.92		
1.4	16QAM	6	0	21.31	21.34	21.09	22	2
1.4	64QAM	1	0	21.31	21.50	21.17	22	2
1.4	64QAM	1	3	21.39	21.49	21.15		
1.4	64QAM	1	5	21.37	21.48	21.13		
1.4	64QAM	3	0	21.35	21.46	21.15		
1.4	64QAM	3	1	21.37	21.51	21.14		
1.4	64QAM	3	3	21.33	21.38	21.02		
1.4	64QAM	6	0	20.24	20.31	19.97	21	3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		23.31		24	0
10	QPSK	1	25		23.26			
10	QPSK	1	49		23.30			
10	QPSK	25	0		22.32		23	1
10	QPSK	25	12		22.31			
10	QPSK	25	25		22.26			
10	QPSK	50	0		22.31			
10	16QAM	1	0		22.65		23	1
10	16QAM	1	25		22.60			
10	16QAM	1	49		22.57			
10	16QAM	25	0		21.47		22	2
10	16QAM	25	12		21.47			
10	16QAM	25	25		21.46			
10	16QAM	50	0		21.40			
10	64QAM	1	0		21.54		22	2
10	64QAM	1	25		21.54			
10	64QAM	1	49		21.45			
10	64QAM	25	0		20.45		21	3
10	64QAM	25	12		20.50			
10	64QAM	25	25		20.41			
10	64QAM	50	0		20.39			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	23.30	23.23	23.28	24	0
5	QPSK	1	12	23.20	23.19	23.14		
5	QPSK	1	24	23.23	23.16	23.17		
5	QPSK	12	0	22.18	22.25	22.21	23	1
5	QPSK	12	7	22.22	22.19	22.18		
5	QPSK	12	13	22.17	22.16	22.20		
5	QPSK	25	0	22.24	22.23	22.17		
5	16QAM	1	0	22.60	22.51	22.56	23	1
5	16QAM	1	12	22.44	22.50	22.58		
5	16QAM	1	24	22.42	22.48	22.59		
5	16QAM	12	0	21.33	21.31	21.29	22	2
5	16QAM	12	7	21.30	21.27	21.28		
5	16QAM	12	13	21.26	21.24	21.29		
5	16QAM	25	0	21.26	21.26	21.27		
5	64QAM	1	0	21.38	21.45	21.41	22	2
5	64QAM	1	12	21.40	21.48	21.42		
5	64QAM	1	24	21.42	21.41	21.40		
5	64QAM	12	0	20.36	20.33	20.34	21	3
5	64QAM	12	7	20.30	20.34	20.35		
5	64QAM	12	13	20.26	20.29	20.29		
5	64QAM	25	0	20.29	20.29	20.26		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.09	22.93	23.00	24	0
20	QPSK	1	49	22.83	22.77	22.85		
20	QPSK	1	99	22.82	22.77	22.86		
20	QPSK	50	0	22.01	21.87	21.94	23	1
20	QPSK	50	24	21.91	21.85	21.96		
20	QPSK	50	50	21.89	21.85	21.87		
20	QPSK	100	0	21.97	21.89	21.96		
20	16QAM	1	0	22.45	22.32	22.43	23	1
20	16QAM	1	49	22.18	22.10	22.23		
20	16QAM	1	99	22.24	22.09	22.24		
20	16QAM	50	0	21.02	21.00	21.12	22	2
20	16QAM	50	24	21.03	20.97	21.06		
20	16QAM	50	50	21.00	20.92	21.00		
20	16QAM	100	0	21.02	20.91	21.04		
20	64QAM	1	0	21.30	21.10	21.32	22	2
20	64QAM	1	49	21.11	20.99	21.12		
20	64QAM	1	99	21.11	21.03	21.16		
20	64QAM	50	0	20.03	20.02	19.98	21	3
20	64QAM	50	24	20.04	19.92	20.05		
20	64QAM	50	50	19.95	19.93	19.99		
20	64QAM	100	0	19.98	19.92	19.91		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.96	22.86	22.93	24	0
15	QPSK	1	37	22.81	22.72	22.81		
15	QPSK	1	74	22.77	22.80	22.85		
15	QPSK	36	0	21.95	21.81	21.90	23	1
15	QPSK	36	20	21.90	21.78	21.90		
15	QPSK	36	39	21.87	21.76	21.87		
15	QPSK	75	0	21.87	21.85	21.89		
15	16QAM	1	0	22.37	22.18	22.22	23	1
15	16QAM	1	37	22.18	22.08	22.07		
15	16QAM	1	74	22.27	22.13	22.14		
15	16QAM	36	0	21.03	20.93	21.03	22	2
15	16QAM	36	20	20.99	20.87	20.94		
15	16QAM	36	39	20.96	20.86	20.93		
15	16QAM	75	0	20.98	20.87	20.98		
15	64QAM	1	0	21.23	21.12	21.16	22	2
15	64QAM	1	37	20.94	20.98	20.93		
15	64QAM	1	74	20.97	20.88	20.94		
15	64QAM	36	0	20.01	19.91	19.97	21	3
15	64QAM	36	20	19.96	19.90	19.96		
15	64QAM	36	39	19.92	19.85	19.94		
15	64QAM	75	0	19.99	19.96	19.97		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.92	22.81	22.91	24	0
10	QPSK	1	25	22.84	22.75	22.87		
10	QPSK	1	49	22.81	22.76	22.83		
10	QPSK	25	0	21.97	21.88	21.91	23	1
10	QPSK	25	12	21.87	21.85	21.88		
10	QPSK	25	25	21.90	21.84	21.85		
10	QPSK	50	0	21.94	21.81	21.88		
10	16QAM	1	0	22.23	22.20	22.21	23	1
10	16QAM	1	25	22.14	22.08	22.12		
10	16QAM	1	49	22.16	22.10	22.18		
10	16QAM	25	0	20.99	20.91	20.98	22	2
10	16QAM	25	12	20.99	20.89	21.00		
10	16QAM	25	25	20.95	20.87	20.97		
10	16QAM	50	0	20.98	20.92	21.00		
10	64QAM	1	0	21.12	21.02	21.00	22	2
10	64QAM	1	25	21.06	21.00	20.85		
10	64QAM	1	49	21.14	21.03	21.00		
10	64QAM	25	0	20.00	19.78	19.95	21	3
10	64QAM	25	12	20.01	19.89	19.97		
10	64QAM	25	25	19.92	19.86	19.94		
10	64QAM	50	0	19.97	19.91	19.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.90	22.79	22.87	24	0
5	QPSK	1	12	22.85	22.75	22.79		
5	QPSK	1	24	22.87	22.74	22.81		
5	QPSK	12	0	21.91	21.81	21.87	23	1
5	QPSK	12	7	21.89	21.77	21.84		
5	QPSK	12	13	21.93	21.81	21.83		
5	QPSK	25	0	21.93	21.80	21.83		
5	16QAM	1	0	22.30	22.09	22.13	23	1
5	16QAM	1	12	22.24	22.04	22.20		
5	16QAM	1	24	22.16	22.08	22.17		
5	16QAM	12	0	21.02	20.93	20.99	22	2
5	16QAM	12	7	21.00	20.89	20.99		
5	16QAM	12	13	20.93	20.87	20.96		
5	16QAM	25	0	20.95	20.86	20.93		
5	64QAM	1	0	21.18	20.97	21.10	22	2
5	64QAM	1	12	21.24	20.97	21.05		
5	64QAM	1	24	21.14	20.97	21.09		
5	64QAM	12	0	20.09	19.90	20.00	21	3
5	64QAM	12	7	20.07	19.98	19.98		
5	64QAM	12	13	20.01	19.90	20.02		
5	64QAM	25	0	19.98	19.87	19.98		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	22.84	22.75	22.78	24	0
3	QPSK	1	8	22.87	22.76	22.83		
3	QPSK	1	14	22.81	22.70	22.75		
3	QPSK	8	0	21.85	21.75	21.81	23	1
3	QPSK	8	4	21.88	21.79	21.88		
3	QPSK	8	7	21.91	21.81	21.82		
3	QPSK	15	0	21.93	21.77	21.81		
3	16QAM	1	0	22.29	22.05	22.11	23	1
3	16QAM	1	8	22.14	21.98	22.23		
3	16QAM	1	14	22.19	22.02	22.17		
3	16QAM	8	0	21.03	20.90	20.98	22	2
3	16QAM	8	4	21.03	20.95	20.97		
3	16QAM	8	7	20.96	20.89	20.93		
3	16QAM	15	0	21.01	20.87	20.96		
3	64QAM	1	0	21.08	21.04	21.04	22	2
3	64QAM	1	8	21.18	21.02	21.09		
3	64QAM	1	14	21.14	21.00	20.99		
3	64QAM	8	0	20.02	19.77	19.94	21	3
3	64QAM	8	4	19.99	19.89	19.84		
3	64QAM	8	7	20.02	19.77	19.90		
3	64QAM	15	0	19.95	19.82	19.87		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.70	22.59	22.65	24	0
1.4	QPSK	1	3	22.79	22.67	22.73		
1.4	QPSK	1	5	22.73	22.62	22.61		
1.4	QPSK	3	0	22.78	22.64	22.69		
1.4	QPSK	3	1	22.82	22.65	22.77		
1.4	QPSK	3	3	22.78	22.67	22.69		
1.4	QPSK	6	0	21.75	21.59	21.71	23	1
1.4	16QAM	1	0	21.97	21.95	21.95	23	1
1.4	16QAM	1	3	22.14	21.96	22.05		
1.4	16QAM	1	5	21.99	21.94	21.89		
1.4	16QAM	3	0	21.86	21.72	21.79		
1.4	16QAM	3	1	21.83	21.74	21.85		
1.4	16QAM	3	3	21.85	21.70	21.79		
1.4	16QAM	6	0	20.91	20.77	20.89	22	2
1.4	64QAM	1	0	20.98	20.87	20.94	22	2
1.4	64QAM	1	3	20.93	20.67	20.97		
1.4	64QAM	1	5	21.00	20.82	20.70		
1.4	64QAM	3	0	20.81	20.79	20.80		
1.4	64QAM	3	1	20.76	20.80	20.82		
1.4	64QAM	3	3	20.93	20.76	20.79		
1.4	64QAM	6	0	19.85	19.74	19.80	21	3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	23.12	22.99	23.03	24	0
20	QPSK	1	49	22.90	22.81	22.85		
20	QPSK	1	99	22.66	22.69	22.64		
20	QPSK	50	0	22.07	22.04	21.94	23	1
20	QPSK	50	24	22.00	21.94	21.84		
20	QPSK	50	50	21.96	21.83	21.78		
20	QPSK	100	0	21.98	21.88	21.83		
20	16QAM	1	0	22.46	22.31	22.21	23	1
20	16QAM	1	49	22.13	22.14	22.13		
20	16QAM	1	99	22.02	22.00	21.96		
20	16QAM	50	0	21.15	21.05	21.00	22	2
20	16QAM	50	24	21.05	20.98	20.89		
20	16QAM	50	50	21.03	20.84	20.83		
20	16QAM	100	0	20.98	20.91	20.86		
20	64QAM	1	0	21.38	21.16	21.33	22	2
20	64QAM	1	49	21.18	21.07	20.97		
20	64QAM	1	99	21.01	20.94	20.94		
20	64QAM	50	0	20.16	20.11	19.97	21	3
20	64QAM	50	24	20.05	19.96	19.87		
20	64QAM	50	50	20.05	19.85	19.85		
20	64QAM	100	0	20.04	19.97	19.85		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	23.06	22.97	22.86	24	0
15	QPSK	1	37	22.87	22.89	22.81		
15	QPSK	1	74	22.76	22.85	22.62		
15	QPSK	36	0	22.00	22.01	21.85	23	1
15	QPSK	36	20	22.05	21.94	21.85		
15	QPSK	36	39	21.89	21.82	21.74		
15	QPSK	75	0	22.03	21.92	21.77		
15	16QAM	1	0	22.45	22.26	22.09	23	1
15	16QAM	1	37	22.13	22.25	22.11		
15	16QAM	1	74	22.07	22.13	22.03		
15	16QAM	36	0	21.02	21.14	20.85	22	2
15	16QAM	36	20	21.10	20.95	20.88		
15	16QAM	36	39	20.98	20.82	20.82		
15	16QAM	75	0	21.04	20.96	20.78		
15	64QAM	1	0	21.34	21.15	21.00	22	2
15	64QAM	1	37	21.02	21.13	21.01		
15	64QAM	1	74	21.06	21.04	20.84		
15	64QAM	36	0	20.04	20.13	19.89	21	3
15	64QAM	36	20	20.09	19.99	19.91		
15	64QAM	36	39	20.01	19.88	19.82		
15	64QAM	75	0	20.01	19.94	19.80		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	23.02	22.99	22.85	24	0
10	QPSK	1	25	22.85	23.02	22.78		
10	QPSK	1	49	22.86	22.86	22.66		
10	QPSK	25	0	22.00	22.10	21.87	23	1
10	QPSK	25	12	21.96	22.01	21.84		
10	QPSK	25	25	21.98	21.93	21.74		
10	QPSK	50	0	22.07	22.00	21.79		
10	16QAM	1	0	22.40	22.14	22.05	23	1
10	16QAM	1	25	22.12	22.30	22.09		
10	16QAM	1	49	22.08	22.08	21.97		
10	16QAM	25	0	21.07	21.14	20.92	22	2
10	16QAM	25	12	21.02	21.13	20.89		
10	16QAM	25	25	21.07	20.97	20.83		
10	16QAM	50	0	21.11	21.07	20.88		
10	64QAM	1	0	21.27	21.21	21.04	22	2
10	64QAM	1	25	21.02	21.21	20.99		
10	64QAM	1	49	21.10	20.95	20.90		
10	64QAM	25	0	20.09	20.14	19.90	21	3
10	64QAM	25	12	20.03	20.07	19.93		
10	64QAM	25	25	20.05	20.01	19.80		
10	64QAM	50	0	20.11	20.07	19.87		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	23.01	22.96	22.86	24	0
5	QPSK	1	12	22.93	22.88	22.80		
5	QPSK	1	24	22.86	22.80	22.76		
5	QPSK	12	0	21.98	22.02	21.90	23	1
5	QPSK	12	7	21.97	22.09	21.89		
5	QPSK	12	13	21.95	21.97	21.83		
5	QPSK	25	0	21.98	22.15	21.85		
5	16QAM	1	0	22.20	22.27	22.24	23	1
5	16QAM	1	12	22.29	22.35	22.14		
5	16QAM	1	24	21.96	22.27	22.01		
5	16QAM	12	0	21.13	21.13	20.92	22	2
5	16QAM	12	7	21.04	21.14	20.95		
5	16QAM	12	13	20.98	21.14	20.87		
5	16QAM	25	0	21.04	21.24	20.91		
5	64QAM	1	0	21.26	21.19	21.01	22	2
5	64QAM	1	12	21.25	21.21	21.03		
5	64QAM	1	24	21.08	21.30	20.88		
5	64QAM	12	0	20.14	20.16	19.97	21	3
5	64QAM	12	7	20.11	20.20	19.93		
5	64QAM	12	13	20.07	20.09	19.90		
5	64QAM	25	0	20.05	20.18	19.86		

LTE Band 38

BW [MHz]	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	22.82	22.87	22.77	24	0
20	QPSK	1	49	22.68	22.68	22.53		
20	QPSK	1	99	22.68	22.52	22.59		
20	QPSK	50	0	21.84	21.84	21.66	23	1
20	QPSK	50	24	21.73	21.75	21.58		
20	QPSK	50	50	21.75	21.65	21.53		
20	QPSK	100	0	21.73	21.73	21.59		
20	16QAM	1	0	21.96	21.98	21.87	23	1
20	16QAM	1	49	21.81	21.81	21.66		
20	16QAM	1	99	21.82	21.68	21.55		
20	16QAM	50	0	20.93	20.94	20.76	22	2
20	16QAM	50	24	20.85	20.86	20.71		
20	16QAM	50	50	20.87	20.81	20.64		
20	16QAM	100	0	20.83	20.85	20.71		
20	64QAM	1	0	20.54	20.60	20.53	22	2
20	64QAM	1	49	20.43	20.42	20.30		
20	64QAM	1	99	20.45	20.30	20.15		
20	64QAM	50	0	19.92	19.94	19.77	21	3
20	64QAM	50	24	19.83	19.85	19.69		
20	64QAM	50	50	19.84	19.78	19.63		
20	64QAM	100	0	19.81	19.86	19.68		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.76	22.78	22.74	24	0
15	QPSK	1	37	22.71	22.70	22.57		
15	QPSK	1	74	22.67	22.56	22.43		
15	QPSK	36	0	21.76	21.77	21.63	23	1
15	QPSK	36	20	21.72	21.72	21.62		
15	QPSK	36	39	21.61	21.62	21.52		
15	QPSK	75	0	21.74	21.70	21.56		
15	16QAM	1	0	21.88	22.02	21.89	23	1
15	16QAM	1	37	21.82	21.85	21.74		
15	16QAM	1	74	21.79	21.68	21.59		
15	16QAM	36	0	20.82	20.86	20.72	22	2
15	16QAM	36	20	20.80	20.82	20.68		
15	16QAM	36	39	20.71	20.73	20.63		
15	16QAM	75	0	20.83	20.85	20.68		
15	64QAM	1	0	20.55	20.62	20.48	22	2
15	64QAM	1	37	20.46	20.45	20.39		
15	64QAM	1	74	20.40	20.32	20.21		
15	64QAM	36	0	19.88	19.87	19.71	21	3
15	64QAM	36	20	19.82	19.82	19.69		
15	64QAM	36	39	19.74	19.76	19.61		
15	64QAM	75	0	19.85	19.85	19.70		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.68	22.79	22.64	24	0
10	QPSK	1	25	22.64	22.68	22.49		
10	QPSK	1	49	22.68	22.65	22.44		
10	QPSK	25	0	21.64	21.72	21.59	23	1
10	QPSK	25	12	21.73	21.71	21.59		
10	QPSK	25	25	21.67	21.64	21.42		
10	QPSK	50	0	21.73	21.72	21.59		
10	16QAM	1	0	21.84	21.90	21.80	23	1
10	16QAM	1	25	21.78	21.85	21.61		
10	16QAM	1	49	21.75	21.76	21.53		
10	16QAM	25	0	20.75	20.85	20.71	22	2
10	16QAM	25	12	20.84	20.82	20.73		
10	16QAM	25	25	20.77	20.75	20.54		
10	16QAM	50	0	20.85	20.84	20.73		
10	64QAM	1	0	20.49	20.57	20.42	22	2
10	64QAM	1	25	20.36	20.44	20.29		
10	64QAM	1	49	20.40	20.39	20.21		
10	64QAM	25	0	19.81	19.86	19.72	21	3
10	64QAM	25	12	19.92	19.87	19.75		
10	64QAM	25	25	19.83	19.81	19.60		
10	64QAM	50	0	19.85	19.82	19.68		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.67	22.73	22.49	24	0
5	QPSK	1	12	22.63	22.72	22.48		
5	QPSK	1	24	22.56	22.61	22.40		
5	QPSK	12	0	21.68	21.71	21.49	23	1
5	QPSK	12	7	21.67	21.73	21.50		
5	QPSK	12	13	21.61	21.70	21.49		
5	QPSK	25	0	21.61	21.68	21.44		
5	16QAM	1	0	21.78	21.84	21.62	23	1
5	16QAM	1	12	21.75	21.81	21.63		
5	16QAM	1	24	21.71	21.79	21.59		
5	16QAM	12	0	20.70	20.79	20.54	22	2
5	16QAM	12	7	20.72	20.77	20.58		
5	16QAM	12	13	20.70	20.75	20.55		
5	16QAM	25	0	20.72	20.80	20.57		
5	64QAM	1	0	20.44	20.47	20.28	22	2
5	64QAM	1	12	20.39	20.46	20.26		
5	64QAM	1	24	20.36	20.44	20.23		
5	64QAM	12	0	19.81	19.85	19.65	21	3
5	64QAM	12	7	19.81	19.88	19.65		
5	64QAM	12	13	19.77	19.86	19.61		
5	64QAM	25	0	19.79	19.85	19.64		

LTE Band 41

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	22.57	22.86	22.82	22.89	22.65	24	0
20	QPSK	1	49	22.50	22.60	22.67	22.69	22.57		
20	QPSK	1	99	22.61	22.58	22.71	22.52	22.49		
20	QPSK	50	0	21.57	21.79	21.83	21.86	21.69	23	1
20	QPSK	50	24	21.63	21.70	21.76	21.70	21.69		
20	QPSK	50	50	21.62	21.58	21.71	21.62	21.61		
20	QPSK	100	0	21.65	21.69	21.77	21.78	21.66		
20	16QAM	1	0	21.73	22.02	22.01	22.00	21.86	23	1
20	16QAM	1	49	21.70	21.82	21.79	21.80	21.71		
20	16QAM	1	99	21.77	21.75	21.87	21.67	21.65		
20	16QAM	50	0	20.73	20.94	20.92	20.97	20.82	22	2
20	16QAM	50	24	20.79	20.82	20.85	20.79	20.78		
20	16QAM	50	50	20.76	20.70	20.81	20.71	20.67		
20	16QAM	100	0	20.77	20.81	20.83	20.77	20.74		
20	64QAM	1	0	20.50	20.81	20.72	20.75	20.58	22	2
20	64QAM	1	49	20.38	20.55	20.54	20.50	20.43		
20	64QAM	1	99	20.47	20.51	20.56	20.38	20.37		
20	64QAM	50	0	19.66	19.87	19.90	19.90	19.73	21	3
20	64QAM	50	24	19.73	19.79	19.80	19.73	19.69		
20	64QAM	50	50	19.74	19.69	19.73	19.66	19.64		
20	64QAM	100	0	19.81	19.86	19.88	19.78	19.78		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.51	22.81	22.79	22.84	22.63	24	0
15	QPSK	1	37	22.49	22.63	22.69	22.68	22.54		
15	QPSK	1	74	22.60	22.64	22.74	22.52	22.50		
15	QPSK	36	0	21.50	21.74	21.74	21.76	21.59	23	1
15	QPSK	36	20	21.49	21.66	21.71	21.62	21.63		
15	QPSK	36	39	21.54	21.60	21.62	21.55	21.55		
15	QPSK	75	0	21.57	21.67	21.70	21.62	21.59		
15	16QAM	1	0	21.71	22.01	21.93	21.92	21.81	23	1
15	16QAM	1	37	21.64	21.83	21.79	21.79	21.69		
15	16QAM	1	74	21.73	21.81	21.82	21.66	21.64		
15	16QAM	36	0	20.54	20.81	20.81	20.83	20.67	22	2
15	16QAM	36	20	20.59	20.75	20.76	20.70	20.64		
15	16QAM	36	39	20.63	20.71	20.69	20.63	20.59		
15	16QAM	75	0	20.69	20.81	20.81	20.76	20.70		
15	64QAM	1	0	20.41	20.68	20.67	20.66	20.41	22	2
15	64QAM	1	37	20.33	20.51	20.49	20.43	20.25		
15	64QAM	1	74	20.47	20.50	20.59	20.26	20.28		
15	64QAM	36	0	19.60	19.88	19.79	19.85	19.70	21	3
15	64QAM	36	20	19.60	19.79	19.77	19.72	19.70		
15	64QAM	36	39	19.69	19.70	19.72	19.67	19.64		
15	64QAM	75	0	19.70	19.78	19.80	19.73	19.70		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.50	22.68	22.70	22.72	22.66	24	0
10	QPSK	1	25	22.45	22.64	22.68	22.65	22.58		
10	QPSK	1	49	22.47	22.55	22.67	22.54	22.57		
10	QPSK	25	0	21.46	21.67	21.72	21.76	21.66	23	1
10	QPSK	25	12	21.46	21.61	21.69	21.65	21.64		
10	QPSK	25	25	21.44	21.57	21.64	21.59	21.62		
10	QPSK	50	0	21.44	21.63	21.72	21.64	21.67		
10	16QAM	1	0	21.66	21.86	21.88	21.89	21.81	23	1
10	16QAM	1	25	21.61	21.79	21.84	21.82	21.72		
10	16QAM	1	49	21.57	21.69	21.74	21.69	21.66		
10	16QAM	25	0	20.56	20.81	20.84	20.89	20.72	22	2
10	16QAM	25	12	20.56	20.78	20.77	20.73	20.74		
10	16QAM	25	25	20.53	20.71	20.78	20.66	20.72		
10	16QAM	50	0	20.59	20.78	20.83	20.76	20.76		
10	64QAM	1	0	20.29	20.54	20.51	20.49	20.41	22	2
10	64QAM	1	25	20.25	20.42	20.43	20.45	20.34		
10	64QAM	1	49	20.27	20.33	20.38	20.27	20.32		
10	64QAM	25	0	19.62	19.85	19.84	19.86	19.80	21	3
10	64QAM	25	12	19.64	19.83	19.84	19.77	19.79		
10	64QAM	25	25	19.61	19.76	19.78	19.75	19.74		
10	64QAM	50	0	19.58	19.78	19.80	19.73	19.72		
Channel				39675	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	22.43	22.73	22.69	22.74	22.59	24	0
5	QPSK	1	12	22.46	22.67	22.75	22.65	22.58		
5	QPSK	1	24	22.42	22.56	22.67	22.58	22.51		
5	QPSK	12	0	21.49	21.70	21.74	21.68	21.66	23	1
5	QPSK	12	7	21.48	21.72	21.72	21.71	21.67		
5	QPSK	12	13	21.52	21.67	21.70	21.68	21.64		
5	QPSK	25	0	21.43	21.71	21.75	21.66	21.65		
5	16QAM	1	0	21.60	21.86	21.87	21.86	21.72	23	1
5	16QAM	1	12	21.64	21.86	21.84	21.76	21.76		
5	16QAM	1	24	21.62	21.84	21.81	21.72	21.71		
5	16QAM	12	0	20.56	20.79	20.77	20.74	20.69	22	2
5	16QAM	12	7	20.55	20.81	20.78	20.72	20.68		
5	16QAM	12	13	20.54	20.71	20.76	20.74	20.65		
5	16QAM	25	0	20.58	20.81	20.82	20.72	20.73		
5	64QAM	1	0	20.30	20.49	20.54	20.52	20.38	22	2
5	64QAM	1	12	20.24	20.50	20.49	20.41	20.34		
5	64QAM	1	24	20.22	20.48	20.45	20.35	20.31		
5	64QAM	12	0	19.64	19.86	19.86	19.80	19.76	21	3
5	64QAM	12	7	19.66	19.90	19.87	19.84	19.77		
5	64QAM	12	13	19.60	19.87	19.85	19.78	19.74		
5	64QAM	25	0	19.62	19.88	19.85	19.80	19.77		

LTE Band 41 HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.57	25.64	25.71	25.75	25.55	27	0
20	QPSK	1	49	25.55	25.50	25.50	25.57	25.53		
20	QPSK	1	99	25.43	25.50	25.70	25.56	25.44		
20	QPSK	50	0	24.46	24.47	24.63	24.89	24.73	26	1
20	QPSK	50	24	24.40	24.46	24.62	24.48	24.73		
20	QPSK	50	50	24.57	24.45	24.88	24.40	24.73		
20	QPSK	100	0	24.43	24.74	24.91	24.92	24.58		
20	16QAM	1	0	24.58	24.77	24.91	24.81	24.73	26	1
20	16QAM	1	49	24.42	24.76	24.84	24.90	24.68		
20	16QAM	1	99	24.76	24.83	24.76	24.60	24.86		
20	16QAM	50	0	23.39	23.66	23.65	23.88	23.61	25	2
20	16QAM	50	24	23.50	23.57	23.83	23.76	23.62		
20	16QAM	50	50	23.51	23.59	23.81	23.78	23.63		
20	16QAM	100	0	23.45	23.62	23.93	23.75	23.77		
20	64QAM	1	0	23.80	24.08	23.87	23.96	23.78	25	2
20	64QAM	1	49	23.64	23.59	23.96	23.94	23.71		
20	64QAM	1	99	23.77	23.78	24.06	23.72	23.88		
20	64QAM	50	0	22.48	22.64	22.85	22.87	22.79	24	3
20	64QAM	50	24	22.59	22.64	22.72	22.82	22.69		
20	64QAM	50	50	22.58	22.65	22.70	22.66	22.70		
20	64QAM	100	0	22.81	22.79	22.92	22.73	22.83		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.48	25.49	25.42	25.38	25.67	27	0
15	QPSK	1	37	25.20	25.70	25.56	25.66	25.40		
15	QPSK	1	74	25.36	25.63	25.62	25.46	25.64		
15	QPSK	36	0	24.22	24.69	24.58	24.57	24.50	26	1
15	QPSK	36	20	24.31	24.68	24.54	24.69	24.51		
15	QPSK	36	39	24.35	24.40	24.54	24.45	24.67		
15	QPSK	75	0	24.40	24.40	24.67	24.71	24.55		
15	16QAM	1	0	24.79	24.78	24.90	24.86	24.70	26	1
15	16QAM	1	37	24.50	24.65	24.94	24.93	24.85		
15	16QAM	1	74	24.53	24.78	24.91	24.83	24.82		
15	16QAM	36	0	23.63	23.75	23.66	23.89	23.61	25	2
15	16QAM	36	20	23.60	23.84	23.63	23.83	23.83		
15	16QAM	36	39	23.62	23.51	23.81	23.79	23.61		
15	16QAM	75	0	23.42	23.60	23.88	23.80	23.61		
15	64QAM	1	0	23.62	23.79	23.76	23.91	23.82	25	2
15	64QAM	1	37	23.44	23.74	23.79	23.79	23.68		
15	64QAM	1	74	23.54	23.75	23.93	23.67	23.94		
15	64QAM	36	0	22.72	22.72	22.79	22.84	22.96	24	3
15	64QAM	36	20	22.75	22.71	22.95	22.68	22.79		
15	64QAM	36	39	22.48	22.98	22.68	22.73	22.95		
15	64QAM	75	0	22.74	22.93	22.91	22.91	22.92		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.41	25.25	25.68	25.49	25.47	27	0
10	QPSK	1	25	25.43	25.29	25.61	25.60	25.48		
10	QPSK	1	49	25.18	25.25	25.53	25.42	25.50		
10	QPSK	25	0	24.33	24.37	24.70	24.73	24.58	26	1
10	QPSK	25	12	24.33	24.73	24.66	24.68	24.52		
10	QPSK	25	25	24.24	24.34	24.69	24.54	24.50		
10	QPSK	50	0	24.25	24.37	24.61	24.53	24.57		
10	16QAM	1	0	24.59	24.70	24.78	24.96	24.94	26	1
10	16QAM	1	25	24.46	24.59	24.88	24.75	24.61		
10	16QAM	1	49	24.60	24.65	24.77	24.65	24.69		
10	16QAM	25	0	23.55	23.59	23.76	23.77	23.79	25	2
10	16QAM	25	12	23.45	23.57	23.81	23.80	23.62		
10	16QAM	25	25	23.55	23.77	23.74	23.58	23.80		
10	16QAM	50	0	23.36	23.79	23.75	23.81	23.67		
10	64QAM	1	0	23.58	24.02	23.90	23.92	23.78	25	2
10	64QAM	1	25	23.74	23.57	23.82	23.87	23.80		
10	64QAM	1	49	23.79	23.62	23.97	23.76	23.82		
10	64QAM	25	0	22.61	22.67	22.83	22.83	22.73	24	3
10	64QAM	25	12	22.62	22.94	22.88	22.69	22.75		
10	64QAM	25	25	22.62	22.64	22.82	22.83	22.65		
10	64QAM	50	0	22.52	22.64	22.83	22.59	22.90		
Channel				39675	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	25.55	25.64	25.53	25.46	25.42	27	0
5	QPSK	1	12	25.23	25.23	25.63	25.47	25.45		
5	QPSK	1	24	25.19	25.24	25.42	25.36	25.55		
5	QPSK	12	0	24.34	24.39	24.68	24.56	24.67	26	1
5	QPSK	12	7	24.53	24.44	24.61	24.53	24.69		
5	QPSK	12	13	24.27	24.45	24.63	24.65	24.65		
5	QPSK	25	0	24.25	24.38	24.66	24.56	24.52		
5	16QAM	1	0	24.47	24.66	24.80	24.81	24.68	26	1
5	16QAM	1	12	24.45	24.65	24.79	24.82	24.76		
5	16QAM	1	24	24.64	24.67	24.68	24.72	24.80		
5	16QAM	12	0	23.58	23.80	23.71	23.75	23.67	25	2
5	16QAM	12	7	23.39	23.86	23.74	23.82	23.78		
5	16QAM	12	13	23.61	23.78	23.85	23.76	23.65		
5	16QAM	25	0	23.42	23.80	23.72	23.59	23.83		
5	64QAM	1	0	23.69	23.98	23.94	23.97	23.91	25	2
5	64QAM	1	12	23.75	23.63	23.83	23.69	23.71		
5	64QAM	1	24	23.51	23.65	23.72	23.87	23.75		
5	64QAM	12	0	22.46	22.88	22.82	22.84	22.76	24	3
5	64QAM	12	7	22.48	22.75	22.76	22.73	22.69		
5	64QAM	12	13	22.50	22.65	22.94	22.67	22.75		
5	64QAM	25	0	22.58	22.87	22.80	22.85	22.72		

Reduced Power Mode for P-Sensor On

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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.26	25.41	25.46	26	16.26	16.41	16.46	17
GPRS 1 Tx slot	25.25	25.39	25.45	26	16.25	16.39	16.45	17
GPRS 2 Tx slots	24.18	24.22	24.3	25	18.18	18.22	18.3	19
GPRS 3 Tx slots	22.68	22.8	22.89	23.5	18.42	18.54	18.63	19.24
GPRS 4 Tx slots	21.02	21.09	21.22	22	18.02	18.09	18.22	19
EDGE 1 Tx slot	20.7	20.71	20.77	22	11.7	11.71	11.77	13
EDGE 2 Tx slots	20.03	20.05	20.1	21	14.03	14.05	14.1	15
EDGE 3 Tx slots	18.42	18.15	18.52	19	14.16	13.89	14.26	14.74
EDGE 4 Tx slots	16.9	17	17.04	18	13.9	14	14.04	15

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	15.74	15.72	15.74	16.5	17.01	17.18	17.23	18.5
3GPP Rel 99	RMC 12.2Kbps	15.78	15.74	15.75	16.5	17.02	17.2	17.25	18.5
3GPP Rel 6	HSDPA Subtest-1	14.7	14.54	14.51	15.5	15.94	16.06	16.14	17
3GPP Rel 6	HSDPA Subtest-2	14.67	14.52	14.55	15.5	15.96	16.11	16.1	17
3GPP Rel 6	HSDPA Subtest-3	14.23	14.07	14.03	15	15.46	15.56	15.64	16.5
3GPP Rel 6	HSDPA Subtest-4	14.16	14.09	14.03	15	15.37	15.57	15.6	16.5
3GPP Rel 8	DC-HSDPA Subtest-1	14.68	14.53	14.47	15.5	15.92	16.04	16.12	17
3GPP Rel 8	DC-HSDPA Subtest-2	14.65	14.51	14.53	15.5	15.94	16.08	16.11	17
3GPP Rel 8	DC-HSDPA Subtest-3	14.2	14.08	14.01	15	15.45	15.55	15.63	16.5
3GPP Rel 8	DC-HSDPA Subtest-4	14.15	14.1	14.02	15	15.39	15.58	15.61	16.5
3GPP Rel 6	HSUPA Subtest-1	14.75	14.6	14.51	15.5	15.89	15.99	16.05	17
3GPP Rel 6	HSUPA Subtest-2	12.77	12.58	12.51	13.5	13.94	13.99	14.09	15
3GPP Rel 6	HSUPA Subtest-3	13.74	13.6	13.52	14.5	14.89	14.97	15.05	16
3GPP Rel 6	HSUPA Subtest-4	12.73	12.54	12.49	13.5	13.9	14.01	14.13	15
3GPP Rel 6	HSUPA Subtest-5	14.8	14.6	14.5	15.5	15.9	16	16.04	17

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
RC1 SO55	16.64	16.61	16.65	17
RC3 SO55	16.6	16.64	16.67	17
RC3 SO32 (F+SCH)	16.64	16.63	16.62	17
RC3 SO32 (+SCH)	16.6	16.65	16.66	17
RTAP 153.6Kbps	16.32	16.32	16.35	17
RETAP 4096Bits	16.62	16.66	16.64	17

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.55	16.2	16.12	17.5	0
20	QPSK	1	49	16.34	16.34	16.23		
20	QPSK	1	99	16.21	16.12	16.21		
20	QPSK	50	0	16.21	15.99	15.87	17.5	0
20	QPSK	50	24	16.07	15.89	15.91		
20	QPSK	50	50	15.93	15.84	15.9		
20	QPSK	100	0	15.97	15.92	15.87		
20	16QAM	1	0	16.43	16.23	16.18	17.5	0
20	16QAM	1	49	16.36	16.2	16.22		
20	16QAM	1	99	16.31	16.19	16.22		
20	16QAM	50	0	16.28	16.09	15.98	17.5	0
20	16QAM	50	24	16.25	15.99	16.07		
20	16QAM	50	50	16.02	15.97	15.99		
20	16QAM	100	0	16.08	16.02	15.93		
20	64QAM	1	0	16.4	16.42	16.08	17.5	0
20	64QAM	1	49	16.25	16.07	16.11		
20	64QAM	1	99	16.22	16.1	16.09		
20	64QAM	50	0	16.27	16.08	15.96	17.5	0
20	64QAM	50	24	16.22	16	16.05		
20	64QAM	50	50	16.02	15.95	15.98		
20	64QAM	100	0	16.12	16.02	15.95		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.21	16	15.99	17.5	0
15	QPSK	1	37	15.99	15.8	15.85		
15	QPSK	1	74	15.97	15.79	15.85		
15	QPSK	36	0	16.18	15.94	15.93	17.5	0
15	QPSK	36	20	16.07	15.88	15.94		
15	QPSK	36	39	16.02	15.83	15.87		
15	QPSK	75	0	16.1	15.9	15.94		
15	16QAM	1	0	16.51	16.36	16.31	17.5	0
15	16QAM	1	37	16.33	16.12	16.19		
15	16QAM	1	74	16.34	16.1	16.19		
15	16QAM	36	0	16.24	16.03	16.04	17.5	0
15	16QAM	36	20	16.16	15.98	16.01		
15	16QAM	36	39	16.07	15.95	15.94		
15	16QAM	75	0	16.16	16	16		
15	64QAM	1	0	16.41	16.29	16.22	17.5	0
15	64QAM	1	37	16.18	16.04	16.1		
15	64QAM	1	74	16.21	16.01	16.09		
15	64QAM	36	0	16.23	16.02	16.03	17.5	0
15	64QAM	36	20	16.16	15.97	16.01		
15	64QAM	36	39	16.09	15.94	15.92		
15	64QAM	75	0	16.16	16	15.99		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.23	16.11	15.9	17.5	0
10	QPSK	1	25	16.01	15.81	15.84		
10	QPSK	1	49	16.15	15.97	15.78		
10	QPSK	25	0	16.15	15.9	15.92	17.5	0
10	QPSK	25	12	16.12	15.87	15.89		
10	QPSK	25	25	16.04	15.83	15.88		
10	QPSK	50	0	16.11	15.86	15.91		
10	16QAM	1	0	16.45	16.51	16.31	17.5	0
10	16QAM	1	25	16.35	16.2	16.2		
10	16QAM	1	49	16.49	16.28	16.14		
10	16QAM	25	0	16.24	15.99	16.01	17.5	0
10	16QAM	25	12	16.2	15.96	15.98		
10	16QAM	25	25	16.15	15.92	15.95		
10	16QAM	50	0	16.2	15.97	16.02		
10	64QAM	1	0	16.54	16.38	16.18	17.5	0
10	64QAM	1	25	16.24	16.04	16.07		
10	64QAM	1	49	16.4	16.17	16.04		
10	64QAM	25	0	16.22	16.01	16	17.5	0
10	64QAM	25	12	16.19	15.97	15.97		
10	64QAM	25	25	16.12	15.91	15.95		
10	64QAM	50	0	16.17	15.95	16.01		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.08	15.88	15.85	17.5	0
5	QPSK	1	12	15.99	15.82	15.81		
5	QPSK	1	24	16.02	15.82	15.83		
5	QPSK	12	0	16.09	15.88	15.87	17.5	0
5	QPSK	12	7	16.1	15.88	15.91		
5	QPSK	12	13	16.07	15.82	15.85		
5	QPSK	25	0	16.08	15.82	15.85		
5	16QAM	1	0	16.43	16.17	16.27	17.5	0
5	16QAM	1	12	16.35	16.17	16.2		
5	16QAM	1	24	16.35	16.1	16.15		
5	16QAM	12	0	16.2	15.94	15.95	17.5	0
5	16QAM	12	7	16.19	15.95	15.95		
5	16QAM	12	13	16.14	15.87	15.95		
5	16QAM	25	0	16.14	15.9	15.95		
5	64QAM	1	0	16.32	16.08	16.15	17.5	0
5	64QAM	1	12	16.24	16.04	16.05		
5	64QAM	1	24	16.25	16.01	16.01		
5	64QAM	12	0	16.19	15.93	15.94	17.5	0
5	64QAM	12	7	16.18	15.95	15.94		
5	64QAM	12	13	16.12	15.88	15.95		
5	64QAM	25	0	16.15	15.9	15.96		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.01	15.83	15.81	17.5	0
3	QPSK	1	8	16	15.76	15.8		
3	QPSK	1	14	15.98	15.79	15.78		
3	QPSK	8	0	16.04	15.86	15.82	17.5	0
3	QPSK	8	4	16.09	15.85	15.88		
3	QPSK	8	7	16.07	15.83	15.84		
3	QPSK	15	0	16.04	15.84	15.85		
3	16QAM	1	0	16.34	16.15	16.14	17.5	0
3	16QAM	1	8	16.34	16.12	16.13		
3	16QAM	1	14	16.3	16.08	16.08		
3	16QAM	8	0	16.18	15.95	15.97	17.5	0
3	16QAM	8	4	16.22	15.96	15.98		
3	16QAM	8	7	16.19	15.91	15.92		
3	16QAM	15	0	16.2	15.92	15.94		
3	64QAM	1	0	16.3	16.01	16.04	17.5	0
3	64QAM	1	8	16.23	16.07	15.99		
3	64QAM	1	14	16.25	16	15.98		
3	64QAM	8	0	16.16	15.9	15.92	17.5	0
3	64QAM	8	4	16.18	15.91	15.93		
3	64QAM	8	7	16.15	15.88	15.89		
3	64QAM	15	0	16.15	15.89	15.92		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16	15.79	15.74	17.5	0
1.4	QPSK	1	3	16.06	15.8	15.81		
1.4	QPSK	1	5	16	15.73	15.75		
1.4	QPSK	3	0	16.06	15.8	15.79		
1.4	QPSK	3	1	16.08	15.83	15.85		
1.4	QPSK	3	3	16.03	15.77	15.78		
1.4	QPSK	6	0	16.05	15.8	15.79	17.5	0
1.4	16QAM	1	0	16.3	16.03	16.09	17.5	0
1.4	16QAM	1	3	16.44	16.11	16.17		
1.4	16QAM	1	5	16.32	16.05	16.03		
1.4	16QAM	3	0	16.13	15.86	15.86		
1.4	16QAM	3	1	16.16	15.89	15.9		
1.4	16QAM	3	3	16.12	15.84	15.85		
1.4	16QAM	6	0	16.21	15.98	15.96	17.5	0
1.4	64QAM	1	0	16.24	16	15.99	17.5	0
1.4	64QAM	1	3	16.28	16.08	16.04		
1.4	64QAM	1	5	16.21	15.99	15.87		
1.4	64QAM	3	0	16.19	15.91	15.9		
1.4	64QAM	3	1	16.2	15.91	15.92		
1.4	64QAM	3	3	16.14	15.84	15.87		
1.4	64QAM	6	0	16.12	15.9	15.88	17.5	0

LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.34	16.47	16	17	0
20	QPSK	1	49	16.24	16.21	16.23		
20	QPSK	1	99	16.23	16.22	16.21		
20	QPSK	50	0	15.88	15.96	15.93	17	0
20	QPSK	50	24	15.96	15.9	15.85		
20	QPSK	50	50	15.89	15.84	15.78		
20	QPSK	100	0	15.93	15.94	15.86		
20	16QAM	1	0	16.41	16.32	16.33	17	0
20	16QAM	1	49	16.24	16.31	16.25		
20	16QAM	1	99	16.31	16.19	16.15		
20	16QAM	50	0	16.04	16.11	16.07	17	0
20	16QAM	50	24	16.08	16.04	15.97		
20	16QAM	50	50	16.02	15.98	15.91		
20	16QAM	100	0	16.01	16.06	15.98		
20	64QAM	1	0	16.32	16.44	16.39	17	0
20	64QAM	1	49	16.09	16.22	16.14		
20	64QAM	1	99	16.18	16.16	16.09		
20	64QAM	50	0	16.03	16.1	16.04	17	0
20	64QAM	50	24	16.02	16.02	15.96		
20	64QAM	50	50	15.97	15.97	15.91		
20	64QAM	100	0	16.04	16.06	15.98		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	15.97	16.02	15.97	17	0
15	QPSK	1	37	15.78	15.85	15.79		
15	QPSK	1	74	15.86	15.88	15.8		
15	QPSK	36	0	15.9	15.96	15.93	17	0
15	QPSK	36	20	15.82	15.9	15.88		
15	QPSK	36	39	15.88	15.85	15.8		
15	QPSK	75	0	15.95	15.88	15.83		
15	16QAM	1	0	16.4	16.23	16.46	17	0
15	16QAM	1	37	16.19	16.31	16.25		
15	16QAM	1	74	16.34	16.28	16.2		
15	16QAM	36	0	16.01	16.1	16.05	17	0
15	16QAM	36	20	16.01	16.07	15.99		
15	16QAM	36	39	16.04	16.01	15.93		
15	16QAM	75	0	16.06	16.06	15.99		
15	64QAM	1	0	16.25	16.38	16.36	17	0
15	64QAM	1	37	16.07	16.22	16.12		
15	64QAM	1	74	16.22	16.2	16.1		
15	64QAM	36	0	16.01	16.12	16.04	17	0
15	64QAM	36	20	15.96	16.08	15.97		
15	64QAM	36	39	16.03	15.98	15.93		
15	64QAM	75	0	16.04	16.08	16.02		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	15.85	15.91	15.87	17	0
10	QPSK	1	25	15.76	15.85	15.76		
10	QPSK	1	49	15.7	15.79	15.71		
10	QPSK	25	0	15.85	15.9	15.84	17	0
10	QPSK	25	12	15.84	15.89	15.83		
10	QPSK	25	25	15.79	15.82	15.81		
10	QPSK	50	0	15.81	15.86	15.81		
10	16QAM	1	0	16.31	16.39	16.26	17	0
10	16QAM	1	25	16.23	16.29	16.19		
10	16QAM	1	49	16.2	16.29	16.15		
10	16QAM	25	0	15.99	16.05	15.98	17	0
10	16QAM	25	12	15.98	16.01	15.94		
10	16QAM	25	25	15.94	15.98	15.92		
10	16QAM	50	0	15.96	16.01	15.96		
10	64QAM	1	0	16.14	16.28	16.13	17	0
10	64QAM	1	25	16.07	16.17	16.05		
10	64QAM	1	49	16.04	16.07	16.01		
10	64QAM	25	0	15.99	16.05	15.99	17	0
10	64QAM	25	12	15.98	16.02	15.94		
10	64QAM	25	25	15.92	15.96	15.91		
10	64QAM	50	0	15.94	16.01	15.94		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	15.76	15.78	15.76	17	0
5	QPSK	1	12	15.75	15.78	15.74		
5	QPSK	1	24	15.82	15.85	15.79		
5	QPSK	12	0	15.83	15.91	15.81	17	0
5	QPSK	12	7	15.8	15.86	15.78		
5	QPSK	12	13	15.79	15.85	15.8		
5	QPSK	25	0	16.29	16.32	16.2		
5	16QAM	1	0	16.19	16.26	16.16	17	0
5	16QAM	1	12	16.17	16.3	16.15		
5	16QAM	1	24	15.99	16.05	15.94		
5	16QAM	12	0	16	16.06	15.96	17	0
5	16QAM	12	7	15.94	16.04	15.93		
5	16QAM	12	13	15.95	15.99	15.93		
5	16QAM	25	0	16.14	16.2	16.13		
5	64QAM	1	0	16.11	16.12	16.09	17	0
5	64QAM	1	12	16.05	16.17	16.01		
5	64QAM	1	24	15.95	16.02	15.93		
5	64QAM	12	0	15.95	16.05	15.94	17	0
5	64QAM	12	7	15.94	16	15.89		
5	64QAM	12	13	15.94	15.99	15.91		
5	64QAM	25	0	15.87	15.81	15.8		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	15.83	15.82	15.39	17	0
3	QPSK	1	8	15.8	15.83	15.58		
3	QPSK	1	14	15.73	15.71	15.58		
3	QPSK	8	0	15.79	15.74	15.63	17	0
3	QPSK	8	4	15.8	15.82	15.67		
3	QPSK	8	7	15.79	15.68	15.62		
3	QPSK	15	0	15.77	15.71	15.64		
3	16QAM	1	0	16.2	16.11	16.03	17	0
3	16QAM	1	8	16.22	16.15	15.98		
3	16QAM	1	14	16.16	16.08	15.94		
3	16QAM	8	0	15.98	15.94	15.82	17	0
3	16QAM	8	4	16.03	15.95	15.82		
3	16QAM	8	7	15.98	15.88	15.81		
3	16QAM	15	0	15.93	15.84	15.77		
3	64QAM	1	0	16.06	15.96	15.88	17	0
3	64QAM	1	8	16.06	15.99	15.89		
3	64QAM	1	14	16.01	15.92	15.87		
3	64QAM	8	0	15.96	15.83	15.75	17	0
3	64QAM	8	4	16.01	15.87	15.76		
3	64QAM	8	7	15.93	15.8	15.76		
3	64QAM	15	0	15.9	15.81	15.73		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	15.7	15.68	15.64	17	0
1.4	QPSK	1	3	15.77	15.73	15.7		
1.4	QPSK	1	5	15.66	15.55	15.56		
1.4	QPSK	3	0	15.74	15.64	15.68		
1.4	QPSK	3	1	15.79	15.7	15.72		
1.4	QPSK	3	3	15.75	15.74	15.7		
1.4	QPSK	6	0	15.73	15.66	15.69	17	0
1.4	16QAM	1	0	16.12	15.98	16.01	17	0
1.4	16QAM	1	3	16.02	16.05	16.09		
1.4	16QAM	1	5	16.08	15.87	15.78		
1.4	16QAM	3	0	15.93	15.79	15.62		
1.4	16QAM	3	1	15.94	15.85	15.82		
1.4	16QAM	3	3	15.9	15.88	15.87		
1.4	16QAM	6	0	15.92	15.9	15.87	17	0
1.4	64QAM	1	0	15.98	15.74	15.69	17	0
1.4	64QAM	1	3	16.05	15.95	15.84		
1.4	64QAM	1	5	15.99	15.92	15.87		
1.4	64QAM	3	0	15.93	15.9	15.86		
1.4	64QAM	3	1	15.97	15.87	15.93		
1.4	64QAM	3	3	15.93	15.88	15.87		
1.4	64QAM	6	0	15.86	15.82	15.81	17	0

LTE Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.55	19.61	19.63	20.5	0
20	QPSK	1	49	19.45	19.44	19.29		
20	QPSK	1	99	19.13	19.16	19.4		
20	QPSK	50	0	19.27	19.21	19.43	20.5	0
20	QPSK	50	24	19.23	19.19	19.42		
20	QPSK	50	50	19.2	19.17	19.4		
20	QPSK	100	0	19.19	19.2	19.37		
20	16QAM	1	0	19.42	19.39	19.45	20.5	0
20	16QAM	1	49	19.42	19.36	19.6		
20	16QAM	1	99	19.43	19.46	19.45		
20	16QAM	50	0	19.32	19.28	19.46	20.5	0
20	16QAM	50	24	19.3	19.28	19.47		
20	16QAM	50	50	19.24	19.25	19.45		
20	16QAM	100	0	19.25	19.26	19.42		
20	64QAM	1	0	19.36	19.3	19.52	20.5	0
20	64QAM	1	49	19.31	19.33	19.52		
20	64QAM	1	99	19.29	19.37	19.59		
20	64QAM	50	0	19.3	19.27	19.45	20.5	0
20	64QAM	50	24	19.28	19.26	19.46		
20	64QAM	50	50	19.22	19.23	19.43		
20	64QAM	100	0	19.24	19.26	19.42		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.14	19.18	19.35	20.5	0
15	QPSK	1	37	19.06	19.11	19.37		
15	QPSK	1	74	19.17	19.18	19.41		
15	QPSK	36	0	19.15	19.2	19.39	20.5	0
15	QPSK	36	20	19.22	19.18	19.45		
15	QPSK	36	39	19.18	19.18	19.38		
15	QPSK	75	0	19.22	19.2	19.4		
15	16QAM	1	0	19.42	19.48	19.34	20.5	0
15	16QAM	1	37	19.32	19.44	19.44		
15	16QAM	1	74	19.46	19.48	19.45		
15	16QAM	36	0	19.18	19.22	19.44	20.5	0
15	16QAM	36	20	19.28	19.26	19.5		
15	16QAM	36	39	19.24	19.19	19.44		
15	16QAM	75	0	19.27	19.22	19.45		
15	64QAM	1	0	19.34	19.42	19.61	20.5	0
15	64QAM	1	37	19.25	19.33	19.59		
15	64QAM	1	74	19.34	19.36	19.61		
15	64QAM	36	0	19.2	19.23	19.43	20.5	0
15	64QAM	36	20	19.28	19.24	19.49		
15	64QAM	36	39	19.24	19.24	19.42		
15	64QAM	75	0	19.26	19.2	19.45		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.11	19.13	19.33	20.5	0
10	QPSK	1	25	19.08	19.13	19.33		
10	QPSK	1	49	19.15	19.1	19.34		
10	QPSK	25	0	19.17	19.16	19.36	20.5	0
10	QPSK	25	12	19.15	19.21	19.43		
10	QPSK	25	25	19.22	19.16	19.4		
10	QPSK	50	0	19.23	19.19	19.38		
10	16QAM	1	0	19.38	19.46	19.43	20.5	0
10	16QAM	1	25	19.36	19.4	19.62		
10	16QAM	1	49	19.43	19.41	19.45		
10	16QAM	25	0	19.2	19.23	19.41	20.5	0
10	16QAM	25	12	19.21	19.23	19.49		
10	16QAM	25	25	19.23	19.21	19.45		
10	16QAM	50	0	19.27	19.21	19.43		
10	64QAM	1	0	19.28	19.33	19.56	20.5	0
10	64QAM	1	25	19.26	19.27	19.55		
10	64QAM	1	49	19.32	19.31	19.54		
10	64QAM	25	0	19.18	19.25	19.41	20.5	0
10	64QAM	25	12	19.2	19.21	19.48		
10	64QAM	25	25	19.23	19.23	19.46		
10	64QAM	50	0	19.26	19.18	19.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.06	19.07	19.32	20.5	0
5	QPSK	1	12	19.09	19.11	19.34		
5	QPSK	1	24	19.05	19.09	19.36		
5	QPSK	12	0	19.12	19.15	19.36	20.5	0
5	QPSK	12	7	19.14	19.19	19.42		
5	QPSK	12	13	19.13	19.14	19.41		
5	QPSK	25	0	19.15	19.16	19.38		
5	16QAM	1	0	19.27	19.28	19.6	20.5	0
5	16QAM	1	12	19.36	19.39	19.45		
5	16QAM	1	24	19.29	19.36	19.43		
5	16QAM	12	0	19.17	19.18	19.41	20.5	0
5	16QAM	12	7	19.18	19.22	19.47		
5	16QAM	12	13	19.16	19.2	19.45		
5	16QAM	25	0	19.17	19.16	19.44		
5	64QAM	1	0	19.21	19.22	19.51	20.5	0
5	64QAM	1	12	19.23	19.27	19.53		
5	64QAM	1	24	19.19	19.27	19.53		
5	64QAM	12	0	19.16	19.16	19.39	20.5	0
5	64QAM	12	7	19.17	19.19	19.45		
5	64QAM	12	13	19.15	19.18	19.44		
5	64QAM	25	0	19.19	19.16	19.42		

LTE Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	16.56	16.18	16.45	17.5	0
20	QPSK	1	49	16.34	16.21	16.23		
20	QPSK	1	99	16.43	16.23	16.21		
20	QPSK	50	0	16.06	16.05	15.95	17.5	0
20	QPSK	50	24	15.95	15.94	16.01		
20	QPSK	50	50	15.91	15.89	15.95		
20	QPSK	100	0	15.998	15.97	15.92		
20	16QAM	1	0	16.49	16.48	16.29	17.5	0
20	16QAM	1	49	16.17	16.19	16.19		
20	16QAM	1	99	16.21	16.19	16.24		
20	16QAM	50	0	16.12	16.13	16.03	17.5	0
20	16QAM	50	24	16.01	16.03	16.06		
20	16QAM	50	50	15.98	15.97	16		
20	16QAM	100	0	15.99	16.05	15.97		
20	64QAM	1	0	16.41	16.36	16.18	17.5	0
20	64QAM	1	49	16.1	16.06	16.1		
20	64QAM	1	99	16.1	16.11	16.09		
20	64QAM	50	0	16.11	16.12	15.99	17.5	0
20	64QAM	50	24	16	16.02	16.04		
20	64QAM	50	50	15.96	15.92	15.99		
20	64QAM	100	0	16.01	16.03	15.97		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	16.09	15.97	16.04	17.5	0
15	QPSK	1	37	15.85	15.87	15.88		
15	QPSK	1	74	15.85	15.82	15.88		
15	QPSK	36	0	16.03	16	16.02	17.5	0
15	QPSK	36	20	15.94	15.93	15.96		
15	QPSK	36	39	15.9	15.88	15.92		
15	QPSK	75	0	15.97	15.95	15.95		
15	16QAM	1	0	16.33	16.28	16.36	17.5	0
15	16QAM	1	37	16.17	16.14	16.15		
15	16QAM	1	74	16.12	16.12	16.25		
15	16QAM	36	0	16.07	16.09	16.09	17.5	0
15	16QAM	36	20	15.99	16.03	15.99		
15	16QAM	36	39	15.94	15.92	15.97		
15	16QAM	75	0	16.01	16.01	16.03		
15	64QAM	1	0	16.25	16.14	16.34	17.5	0
15	64QAM	1	37	16.06	16.03	16.08		
15	64QAM	1	74	16.03	15.99	16.11		
15	64QAM	36	0	16.07	16.07	16.09	17.5	0
15	64QAM	36	20	15.97	16.02	15.98		
15	64QAM	36	39	15.94	15.94	15.95		
15	64QAM	75	0	16.01	16.02	16		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	16.21	16.05	15.96	17.5	0
10	QPSK	1	25	15.88	15.85	15.87		
10	QPSK	1	49	16.01	16.02	15.82		
10	QPSK	25	0	16	15.97	15.98	17.5	0
10	QPSK	25	12	15.96	15.93	15.94		
10	QPSK	25	25	15.91	15.9	15.88		
10	QPSK	50	0	15.97	15.96	15.92		
10	16QAM	1	0	16.48	16.38	16.25	17.5	0
10	16QAM	1	25	16.16	16.15	16.14		
10	16QAM	1	49	16.34	16.28	16.13		
10	16QAM	25	0	16.04	16.02	16.01	17.5	0
10	16QAM	25	12	15.98	16	15.99		
10	16QAM	25	25	15.94	15.93	15.94		
10	16QAM	50	0	15.99	15.98	16.04		
10	64QAM	1	0	16.35	16.27	16.12	17.5	0
10	64QAM	1	25	16.02	16.04	16.09		
10	64QAM	1	49	16.17	16.2	16.05		
10	64QAM	25	0	16.02	16.05	16.01	17.5	0
10	64QAM	25	12	15.99	16	15.98		
10	64QAM	25	25	15.94	15.94	15.94		
10	64QAM	50	0	15.99	15.99	16.01		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	15.96	15.83	15.91	17.5	0
5	QPSK	1	12	15.9	15.85	15.81		
5	QPSK	1	24	15.89	15.84	15.79		
5	QPSK	12	0	15.96	15.9	15.87	17.5	0
5	QPSK	12	7	15.92	15.9	15.9		
5	QPSK	12	13	15.9	15.85	15.88		
5	QPSK	25	0	15.93	15.9	15.89		
5	16QAM	1	0	16.22	16.1	16.17	17.5	0
5	16QAM	1	12	16.15	16.09	16.15		
5	16QAM	1	24	16.18	16.11	16.14		
5	16QAM	12	0	15.99	16	15.98	17.5	0
5	16QAM	12	7	15.97	15.96	15.96		
5	16QAM	12	13	15.93	15.94	15.91		
5	16QAM	25	0	15.97	15.94	15.92		
5	64QAM	1	0	16.11	16.01	16.06	17.5	0
5	64QAM	1	12	16.05	16.02	16.05		
5	64QAM	1	24	16.08	16	16.05		
5	64QAM	12	0	15.98	15.97	15.95	17.5	0
5	64QAM	12	7	15.95	15.94	15.95		
5	64QAM	12	13	15.93	15.9	15.91		
5	64QAM	25	0	15.98	15.92	15.94		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	15.89	15.75	15.81	17.5	0
3	QPSK	1	8	15.91	15.85	15.79		
3	QPSK	1	14	15.87	15.81	15.75		
3	QPSK	8	0	15.93	15.9	15.82	17.5	0
3	QPSK	8	4	15.96	15.91	15.88		
3	QPSK	8	7	15.91	15.84	15.85		
3	QPSK	15	0	15.9	15.86	15.83		
3	16QAM	1	0	16.19	16.04	16.15	17.5	0
3	16QAM	1	8	16.14	16.13	16.17		
3	16QAM	1	14	16.1	16.09	16.15		
3	16QAM	8	0	15.98	15.96	15.96	17.5	0
3	16QAM	8	4	16.01	16	16.01		
3	16QAM	8	7	15.97	15.96	15.96		
3	16QAM	15	0	15.96	15.95	15.93		
3	64QAM	1	0	16.07	15.93	16.02	17.5	0
3	64QAM	1	8	16.02	16.03	16.01		
3	64QAM	1	14	16.04	15.98	16.05		
3	64QAM	8	0	15.95	15.9	15.9	17.5	0
3	64QAM	8	4	15.98	15.96	15.96		
3	64QAM	8	7	15.92	15.93	15.9		
3	64QAM	15	0	15.95	15.95	15.89		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	15.79	15.73	15.65	17.5	0
1.4	QPSK	1	3	15.84	15.78	15.72		
1.4	QPSK	1	5	15.78	15.71	15.64		
1.4	QPSK	3	0	15.8	15.78	15.69		
1.4	QPSK	3	1	15.84	15.81	15.74		
1.4	QPSK	3	3	15.81	15.75	15.72		
1.4	QPSK	6	0	15.82	15.77	15.69	17.5	0
1.4	16QAM	1	0	16.04	16.05	16.06	17.5	0
1.4	16QAM	1	3	16.09	16.03	16.1		
1.4	16QAM	1	5	16.02	15.95	15.99		
1.4	16QAM	3	0	15.85	15.8	15.79		
1.4	16QAM	3	1	15.9	15.87	15.82		
1.4	16QAM	3	3	15.85	15.79	15.81		
1.4	16QAM	6	0	15.93	15.86	15.85	17.5	0
1.4	64QAM	1	0	15.95	15.91	15.89	17.5	0
1.4	64QAM	1	3	16.02	15.97	15.98		
1.4	64QAM	1	5	15.93	15.89	15.87		
1.4	64QAM	3	0	15.89	15.85	15.81		
1.4	64QAM	3	1	15.93	15.9	15.85		
1.4	64QAM	3	3	15.87	15.86	15.84		
1.4	64QAM	6	0	15.85	15.81	15.81	17.5	0

LTE Band 30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		22.44		23	0
10	QPSK	1	25		22.09			
10	QPSK	1	49		22.1			
10	QPSK	25	0		22.25		23	0
10	QPSK	25	12		22.16			
10	QPSK	25	25		22.13			
10	QPSK	50	0		22.18			
10	16QAM	1	0		22.23		23	0
10	16QAM	1	25		22.42			
10	16QAM	1	49		22.23			
10	16QAM	25	0		21.3		22	1
10	16QAM	25	12		21.25			
10	16QAM	25	25		21.23			
10	16QAM	50	0		21.28			
10	64QAM	1	0		21.57		22	1
10	64QAM	1	25		21.42			
10	64QAM	1	49		21.43			
10	64QAM	25	0		20.39		21	2
10	64QAM	25	12		20.37			
10	64QAM	25	25		20.34			
10	64QAM	50	0		20.34			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.23	22.19	22.16	23	0
5	QPSK	1	12	22.14	22.14	22.11		
5	QPSK	1	24	22.11	22.12	22.08		
5	QPSK	12	0	22.21	22.18	22.16	23	0
5	QPSK	12	7	22.21	22.15	22.18		
5	QPSK	12	13	22.17	22.14	22.11		
5	QPSK	25	0	22.16	22.18	22.14		
5	16QAM	1	0	22.23	22.22	22.34	23	0
5	16QAM	1	12	22.41	22.12	22.21		
5	16QAM	1	24	22.43	22.43	22.43		
5	16QAM	12	0	21.26	21.25	21.23	22	1
5	16QAM	12	7	21.26	21.22	21.26		
5	16QAM	12	13	21.22	21.23	21.21		
5	16QAM	25	0	21.24	21.2	21.23		
5	64QAM	1	0	21.52	21.53	21.44	22	1
5	64QAM	1	12	21.43	21.46	21.45		
5	64QAM	1	24	21.41	21.47	21.44		
5	64QAM	12	0	20.34	20.34	20.32	21	2
5	64QAM	12	7	20.36	20.3	20.37		
5	64QAM	12	13	20.32	20.31	20.29		
5	64QAM	25	0	20.34	20.32	20.34		

LTE Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	16.49	16.34	16.37	17	0
20	QPSK	1	49	16.34	16.43	16.32		
20	QPSK	1	99	16.33	16.24	16.21		
20	QPSK	50	0	16	15.85	16.05	17	0
20	QPSK	50	24	15.99	15.76	15.84		
20	QPSK	50	50	15.79	15.71	15.78		
20	QPSK	100	0	15.95	15.77	15.84		
20	16QAM	1	0	16.35	16.37	16.48	17	0
20	16QAM	1	49	16.22	16.16	16.26		
20	16QAM	1	99	16.23	16.07	16.14		
20	16QAM	50	0	16.05	16	16.05	17	0
20	16QAM	50	24	15.98	15.92	15.98		
20	16QAM	50	50	15.92	15.83	15.92		
20	16QAM	100	0	15.98	15.91	15.96		
20	64QAM	1	0	16.3	16.26	16.32	17	0
20	64QAM	1	49	16.05	16.05	16.14		
20	64QAM	1	99	16.09	15.96	16.05		
20	64QAM	50	0	16.05	15.98	16.02	17	0
20	64QAM	50	24	15.95	15.9	16.01		
20	64QAM	50	50	15.9	15.83	15.91		
20	64QAM	100	0	16.01	15.94	15.98		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.23	16.21	16.23	17	0
15	QPSK	1	37	16	16.13	16.21		
15	QPSK	1	74	16.34	16.23	16.34		
15	QPSK	36	0	15.93	15.82	15.9	17	0
15	QPSK	36	20	15.84	15.74	15.85		
15	QPSK	36	39	15.8	15.71	15.76		
15	QPSK	75	0	15.85	15.78	15.81		
15	16QAM	1	0	16.38	16.34	16.44	17	0
15	16QAM	1	37	16.2	16.11	16.25		
15	16QAM	1	74	16.27	16.12	16.19		
15	16QAM	36	0	16.01	15.96	16.04	17	0
15	16QAM	36	20	15.98	15.9	15.98		
15	16QAM	36	39	15.95	15.86	15.93		
15	16QAM	75	0	15.96	15.87	15.98		
15	64QAM	1	0	16.23	16.22	16.3	17	0
15	64QAM	1	37	16.04	15.98	16.07		
15	64QAM	1	74	16.13	15.96	16.02		
15	64QAM	36	0	16.01	15.96	16.06	17	0
15	64QAM	36	20	15.97	15.88	16.01		
15	64QAM	36	39	15.91	15.84	15.93		
15	64QAM	75	0	15.99	15.89	16		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.89	15.78	15.83	17	0
10	QPSK	1	25	15.82	15.71	15.77		
10	QPSK	1	49	15.76	15.65	15.68		
10	QPSK	25	0	15.9	15.78	15.81	17	0
10	QPSK	25	12	15.88	15.74	15.81		
10	QPSK	25	25	15.81	15.7	15.78		
10	QPSK	50	0	15.87	15.75	15.77		
10	16QAM	1	0	16.33	16.21	16.31	17	0
10	16QAM	1	25	16.23	16.1	16.21		
10	16QAM	1	49	16.18	16.1	16.18		
10	16QAM	25	0	16.02	15.9	15.97	17	0
10	16QAM	25	12	15.98	15.88	15.95		
10	16QAM	25	25	15.95	15.86	15.89		
10	16QAM	50	0	15.95	15.88	15.96		
10	64QAM	1	0	16.18	16.07	16.13	17	0
10	64QAM	1	25	16.14	16.01	16.11		
10	64QAM	1	49	16.03	15.96	16.03		
10	64QAM	25	0	16.01	15.9	15.96	17	0
10	64QAM	25	12	15.96	15.88	15.94		
10	64QAM	25	25	15.94	15.84	15.92		
10	64QAM	50	0	15.97	15.84	15.93		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.88	15.77	15.8	17	0
5	QPSK	1	12	15.81	15.72	15.77		
5	QPSK	1	24	15.81	15.7	15.76		
5	QPSK	12	0	15.9	15.78	15.83	17	0
5	QPSK	12	7	15.87	15.77	15.84		
5	QPSK	12	13	15.86	15.73	15.79		
5	QPSK	25	0	15.87	15.73	15.79		
5	16QAM	1	0	16.26	16.15	16.26	17	0
5	16QAM	1	12	16.3	16.09	16.21		
5	16QAM	1	24	16.25	16.11	16.19		
5	16QAM	12	0	16.03	15.91	15.96	17	0
5	16QAM	12	7	16.02	15.89	15.98		
5	16QAM	12	13	16.01	15.89	15.94		
5	16QAM	25	0	15.99	15.87	15.94		
5	64QAM	1	0	16.22	16.04	16.15	17	0
5	64QAM	1	12	16.15	16.01	16.06		
5	64QAM	1	24	16.18	15.97	16.06		
5	64QAM	12	0	15.99	15.9	15.92	17	0
5	64QAM	12	7	15.99	15.89	15.97		
5	64QAM	12	13	15.96	15.87	15.93		
5	64QAM	25	0	15.97	15.88	15.91		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.72	15.62	15.69	17	0
3	QPSK	1	8	15.7	15.62	15.68		
3	QPSK	1	14	15.71	15.57	15.62		
3	QPSK	8	0	15.78	15.66	15.7	17	0
3	QPSK	8	4	15.78	15.68	15.73		
3	QPSK	8	7	15.78	15.64	15.69		
3	QPSK	15	0	15.77	15.67	15.68		
3	16QAM	1	0	16.14	16	16.1	17	0
3	16QAM	1	8	16.16	15.99	16.12		
3	16QAM	1	14	16.15	15.96	16.08		
3	16QAM	8	0	15.97	15.82	15.93	17	0
3	16QAM	8	4	15.98	15.84	15.97		
3	16QAM	8	7	15.71	15.8	15.89		
3	16QAM	15	0	15.89	15.79	15.85		
3	64QAM	1	0	16	15.92	15.97	17	0
3	64QAM	1	8	16.01	15.91	16.01		
3	64QAM	1	14	16	15.86	15.96		
3	64QAM	8	0	15.91	15.79	15.88	17	0
3	64QAM	8	4	15.9	15.81	15.92		
3	64QAM	8	7	15.92	15.79	15.84		
3	64QAM	15	0	15.89	15.74	15.84		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.56	15.65	15.69	17	0
1.4	QPSK	1	3	15.39	15.68	15.78		
1.4	QPSK	1	5	15.31	15.62	15.69		
1.4	QPSK	3	0	15.6	15.7	15.74		
1.4	QPSK	3	1	15.6	15.7	15.76		
1.4	QPSK	3	3	15.37	15.68	15.71		
1.4	QPSK	6	0	15.62	15.68	15.74	17	0
1.4	16QAM	1	0	15.84	16.04	16.15	17	0
1.4	16QAM	1	3	15.82	16.11	16.21		
1.4	16QAM	1	5	15.88	16.06	16.16		
1.4	16QAM	3	0	15.75	15.8	15.91		
1.4	16QAM	3	1	15.74	15.86	15.95		
1.4	16QAM	3	3	15.72	15.83	15.92		
1.4	16QAM	6	0	15.76	15.88	15.94	17	0
1.4	64QAM	1	0	15.87	15.94	16	17	0
1.4	64QAM	1	3	15.94	16.03	16.11		
1.4	64QAM	1	5	15.82	15.9	15.94		
1.4	64QAM	3	0	15.56	15.87	15.94		
1.4	64QAM	3	1	15.79	15.91	15.95		
1.4	64QAM	3	3	15.67	15.83	15.94		
1.4	64QAM	6	0	15.68	15.77	15.86	17	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.13	22.2	22.18	22.5	0
20	QPSK	1	49	22.1	22.15	22.11		
20	QPSK	1	99	21.93	22.13	22.02		
20	QPSK	50	0	21.67	21.73	21.56	22.5	0
20	QPSK	50	24	21.6	21.69	21.59		
20	QPSK	50	50	21.68	21.66	21.54		
20	QPSK	100	0	21.6	21.66	21.59		
20	16QAM	1	0	21.67	21.8	21.75	22.5	0
20	16QAM	1	49	21.65	21.7	21.66		
20	16QAM	1	99	21.79	21.68	21.64		
20	16QAM	50	0	20.73	20.81	20.71	22	0.5
20	16QAM	50	24	20.73	20.77	20.66		
20	16QAM	50	50	20.81	20.74	20.68		
20	16QAM	100	0	20.7	20.76	20.69		
20	64QAM	1	0	20.7	20.77	20.75	22	0.5
20	64QAM	1	49	20.68	20.69	20.65		
20	64QAM	1	99	20.77	20.69	20.61		
20	64QAM	50	0	19.94	19.95	19.87	21	1.5
20	64QAM	50	24	19.91	19.95	19.87		
20	64QAM	50	50	20	19.93	19.86		
20	64QAM	100	0	19.98	20.04	19.96		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.02	22.11	22.11	22.5	0
15	QPSK	1	37	21.99	22.06	22.04		
15	QPSK	1	74	21.82	22.04	21.95		
15	QPSK	36	0	21.56	21.64	21.49	22.5	0
15	QPSK	36	20	21.49	21.6	21.52		
15	QPSK	36	39	21.57	21.57	21.47		
15	QPSK	75	0	21.49	21.57	21.52		
15	16QAM	1	0	21.56	21.71	21.68	22.5	0
15	16QAM	1	37	21.54	21.61	21.59		
15	16QAM	1	74	21.68	21.59	21.57		
15	16QAM	36	0	20.62	20.72	20.64	22	0.5
15	16QAM	36	20	20.62	20.68	20.59		
15	16QAM	36	39	20.7	20.65	20.61		
15	16QAM	75	0	20.59	20.67	20.62		
15	64QAM	1	0	20.59	20.68	20.68	22	0.5
15	64QAM	1	37	20.57	20.6	20.58		
15	64QAM	1	74	20.66	20.6	20.54		
15	64QAM	36	0	19.83	19.86	19.8	21	1.5
15	64QAM	36	20	19.8	19.86	19.8		
15	64QAM	36	39	19.89	19.84	19.79		
15	64QAM	75	0	19.87	19.95	19.89		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.09	21.71	22.14	22.5	0
10	QPSK	1	25	22.05	22.18	22.01		
10	QPSK	1	49	22.14	22.18	22.01		
10	QPSK	25	0	21.49	21.64	21.53	22.5	0
10	QPSK	25	12	21.6	21.66	21.58		
10	QPSK	25	25	21.55	21.59	21.45		
10	QPSK	50	0	21.6	21.67	21.58		
10	16QAM	1	0	21.66	21.81	21.72	22.5	0
10	16QAM	1	25	21.59	21.74	21.59		
10	16QAM	1	49	21.66	21.71	21.53		
10	16QAM	25	0	20.63	20.74	20.67	22	0.5
10	16QAM	25	12	20.72	20.75	20.68		
10	16QAM	25	25	20.7	20.72	20.55		
10	16QAM	50	0	20.72	20.74	20.7		
10	64QAM	1	0	20.64	20.77	20.69	22	0.5
10	64QAM	1	25	20.56	20.74	20.56		
10	64QAM	1	49	20.65	20.73	20.55		
10	64QAM	25	0	19.78	19.94	19.87	21	1.5
10	64QAM	25	12	19.9	19.95	19.87		
10	64QAM	25	25	19.88	19.9	19.74		
10	64QAM	50	0	19.9	19.92	19.82		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.98	21.62	22.07	22.5	0
5	QPSK	1	12	21.94	22.09	21.94		
5	QPSK	1	24	22.03	22.09	21.94		
5	QPSK	12	0	21.38	21.55	21.46	22.5	0
5	QPSK	12	7	21.49	21.57	21.51		
5	QPSK	12	13	21.44	21.5	21.38		
5	QPSK	25	0	21.49	21.58	21.51		
5	16QAM	1	0	21.55	21.72	21.65	22.5	0
5	16QAM	1	12	21.48	21.65	21.52		
5	16QAM	1	24	21.55	21.62	21.46		
5	16QAM	12	0	20.52	20.65	20.6	22	0.5
5	16QAM	12	7	20.61	20.66	20.61		
5	16QAM	12	13	20.59	20.63	20.48		
5	16QAM	25	0	20.61	20.65	20.63		
5	64QAM	1	0	20.53	20.68	20.62	22	0.5
5	64QAM	1	12	20.45	20.65	20.49		
5	64QAM	1	24	20.54	20.64	20.48		
5	64QAM	12	0	19.67	19.85	19.8	21	1.5
5	64QAM	12	7	19.79	19.86	19.8		
5	64QAM	12	13	19.77	19.81	19.67		
5	64QAM	25	0	19.79	19.83	19.75		

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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	21.95	22.07	22.23	22.34	22.28	22.5	0
20	QPSK	1	49	21.88	21.94	22.08	22.23	22.17		
20	QPSK	1	99	21.91	22.05	22.28	22.18	22.16		
20	QPSK	50	0	21.44	21.52	21.77	21.85	21.79	22.5	0
20	QPSK	50	24	21.54	21.56	21.74	21.72	21.76		
20	QPSK	50	50	21.45	21.51	21.73	21.72	21.72		
20	QPSK	100	0	21.5	21.51	21.72	21.77	21.75		
20	16QAM	1	0	21.65	21.72	21.87	21.95	21.91	22.5	0
20	16QAM	1	49	21.54	21.64	21.75	21.87	21.79		
20	16QAM	1	99	21.6	21.77	21.92	21.84	21.8		
20	16QAM	50	0	20.56	20.66	20.8	20.98	20.88	22	0.5
20	16QAM	50	24	20.62	20.67	20.88	20.85	20.85		
20	16QAM	50	50	20.58	20.66	20.86	20.85	20.79		
20	16QAM	100	0	20.63	20.66	20.86	20.87	20.83		
20	64QAM	1	0	20.52	20.64	20.74	20.88	20.79	22	0.5
20	64QAM	1	49	20.41	20.51	20.64	20.75	20.67		
20	64QAM	1	99	20.45	20.63	20.82	20.67	20.63		
20	64QAM	50	0	19.62	19.73	19.97	20.05	19.96	21	1.5
20	64QAM	50	24	19.68	19.75	19.95	19.92	19.95		
20	64QAM	50	50	19.66	19.7	19.89	19.92	19.88		
20	64QAM	100	0	19.83	19.78	20.04	19.99	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.85	21.94	22.24	22.28	22.13	22.5	0
15	QPSK	1	37	21.81	21.89	22.14	22.19	22.03		
15	QPSK	1	74	21.84	21.98	22.27	22.17	22.07		
15	QPSK	36	0	21.32	21.66	21.74	21.75	21.68	22.5	0
15	QPSK	36	20	21.29	21.63	21.74	21.69	21.64		
15	QPSK	36	39	21.29	21.6	21.72	21.62	21.61		
15	QPSK	75	0	21.36	21.68	21.72	21.7	21.68		
15	16QAM	1	0	21.49	21.71	21.87	21.86	21.77	22.5	0
15	16QAM	1	37	21.51	21.64	21.79	21.82	21.69		
15	16QAM	1	74	21.5	21.82	21.96	21.75	21.73		
15	16QAM	36	0	20.39	20.66	20.81	20.83	20.66	22	0.5
15	16QAM	36	20	20.36	20.69	20.8	20.68	20.73		
15	16QAM	36	39	20.43	20.62	20.77	20.7	20.66		
15	16QAM	75	0	20.52	20.74	20.8	20.79	20.8		
15	64QAM	1	0	20.44	20.67	20.78	20.76	20.67	22	0.5
15	64QAM	1	37	20.34	20.61	20.75	20.72	20.57		
15	64QAM	1	74	20.41	20.79	20.83	20.62	20.63		
15	64QAM	36	0	19.52	19.86	19.95	20.01	19.82	21	1.5
15	64QAM	36	20	19.53	19.83	19.97	19.86	19.89		
15	64QAM	36	39	19.6	19.82	19.99	19.84	19.79		
15	64QAM	75	0	19.59	19.81	19.95	19.92	19.91		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.71	21.83	22.13	22.19	22.08	22.5	0
10	QPSK	1	25	21.76	21.83	22.13	22.19	22.04		
10	QPSK	1	49	21.71	21.76	22.12	22.11	22.04		
10	QPSK	25	0	21.19	21.28	21.69	21.69	21.6	22.5	0
10	QPSK	25	12	21.22	21.47	21.65	21.6	21.62		
10	QPSK	25	25	21.21	21.36	21.68	21.58	21.57		
10	QPSK	50	0	21.25	21.35	21.65	21.63	21.61		
10	16QAM	1	0	21.46	21.52	21.82	21.82	21.71	22.5	0
10	16QAM	1	25	21.38	21.58	21.81	21.82	21.68		
10	16QAM	1	49	21.33	21.61	21.76	21.67	21.65		
10	16QAM	25	0	20.39	20.52	20.79	20.85	20.74	22	0.5
10	16QAM	25	12	20.39	20.54	20.82	20.72	20.7		
10	16QAM	25	25	20.36	20.63	20.76	20.71	20.67		
10	16QAM	50	0	20.33	20.62	20.8	20.74	20.69		
10	64QAM	1	0	20.32	20.41	20.7	20.73	20.59	22	0.5
10	64QAM	1	25	20.25	20.44	20.69	20.67	20.53		
10	64QAM	1	49	20.24	20.45	20.63	20.55	20.58		
10	64QAM	25	0	19.45	19.58	19.83	19.94	19.8	21	1.5
10	64QAM	25	12	19.47	19.67	19.89	19.79	19.77		
10	64QAM	25	25	19.45	19.62	19.8	19.79	19.75		
10	64QAM	50	0	19.39	19.55	19.84	19.79	19.78		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	21.74	21.83	22.17	22.14	22.05	22.5	0
5	QPSK	1	12	21.76	21.83	22.14	22.1	22.1		
5	QPSK	1	24	21.68	21.77	22.1	22.07	22		
5	QPSK	12	0	21.25	21.38	21.74	21.66	21.65	22.5	0
5	QPSK	12	7	21.25	21.39	21.74	21.68	21.72		
5	QPSK	12	13	21.27	21.36	21.75	21.61	21.66		
5	QPSK	25	0	21.21	21.37	21.66	21.6	21.66		
5	16QAM	1	0	21.4	21.48	21.79	21.82	21.72	22.5	0
5	16QAM	1	12	21.35	21.53	21.85	21.7	21.71		
5	16QAM	1	24	21.36	21.52	21.84	21.69	21.7		
5	16QAM	12	0	20.31	20.48	20.77	20.71	20.68	22	0.5
5	16QAM	12	7	20.39	20.51	20.81	20.76	20.75		
5	16QAM	12	13	20.38	20.49	20.72	20.7	20.71		
5	16QAM	25	0	20.33	20.49	20.81	20.79	20.77		
5	64QAM	1	0	20.33	20.37	20.69	20.66	20.65	22	0.5
5	64QAM	1	12	20.3	20.36	20.78	20.6	20.63		
5	64QAM	1	24	20.31	20.39	20.75	20.6	20.61		
5	64QAM	12	0	19.46	19.59	19.9	19.81	19.83	21	1.5
5	64QAM	12	7	19.47	19.61	19.94	19.84	19.88		
5	64QAM	12	13	19.48	19.58	19.87	19.78	19.85		
5	64QAM	25	0	19.41	19.6	19.89	19.83	19.87		

LTE Band 41 HPUE

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	22.02	21.98	21.96	22.09	21.98	22.5	0
20	QPSK	1	49	21.78	21.98	21.91	21.87	21.9		
20	QPSK	1	99	21.62	21.72	22.06	21.84	21.95		
20	QPSK	50	0	21.67	21.75	22.01	22.07	22.06	22.5	0
20	QPSK	50	24	21.76	21.73	22.06	22.01	22.04		
20	QPSK	50	50	21.69	21.68	22.03	21.89	21.98		
20	QPSK	100	0	21.75	21.73	22.01	22.06	22.05		
20	16QAM	1	0	21.97	22.04	22.01	22.03	22.03	22.5	0
20	16QAM	1	49	21.84	22	22.01	22.06	22.02		
20	16QAM	1	99	21.89	22.02	22.01	21.99	22.05		
20	16QAM	50	0	21.82	21.9	22.01	21.99	21.97	22.5	0
20	16QAM	50	24	21.86	21.9	21.98	21.88	22		
20	16QAM	50	50	21.79	21.85	21.97	21.86	21.93		
20	16QAM	100	0	21.82	21.92	21.99	21.92	21.94		
20	64QAM	1	0	21.87	21.96	21.92	22.07	22.01	22.5	0
20	64QAM	1	49	21.77	21.86	21.91	21.99	21.92		
20	64QAM	1	99	21.85	21.98	21.98	21.88	21.93		
20	64QAM	50	0	21.8	21.83	21.93	21.97	21.91	22.5	0
20	64QAM	50	24	21.78	21.81	21.95	21.87	21.88		
20	64QAM	50	50	21.7	21.82	21.99	21.77	21.86		
20	64QAM	100	0	21.88	21.94	21.98	21.91	21.97		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.71	21.7	22.02	22.04	21.93	22.5	0
15	QPSK	1	37	21.58	21.69	21.97	21.95	21.91		
15	QPSK	1	74	21.66	21.78	22.04	21.93	21.92		
15	QPSK	36	0	21.69	21.75	22.04	22.03	22.01	22.5	0
15	QPSK	36	20	21.67	21.79	22.06	21.99	22.01		
15	QPSK	36	39	21.71	21.77	21.83	21.75	21.77		
15	QPSK	75	0	21.73	21.76	21.81	21.76	21.77		
15	16QAM	1	0	21.99	22.05	22.03	22.01	22.01	22.5	0
15	16QAM	1	37	21.85	22.04	22.04	22.04	22.04		
15	16QAM	1	74	22.02	22.01	21.93	21.99	22.05		
15	16QAM	36	0	21.75	21.88	21.93	21.96	21.88	22.5	0
15	16QAM	36	20	21.75	21.88	21.95	21.83	21.86		
15	16QAM	36	39	21.8	21.85	21.95	21.81	21.83		
15	16QAM	75	0	21.83	21.93	21.96	21.84	21.9		
15	64QAM	1	0	21.91	21.93	22.05	22.02	21.95	22.5	0
15	64QAM	1	37	21.81	21.93	21.99	21.93	21.94		
15	64QAM	1	74	21.85	22.03	22.08	21.89	21.97		
15	64QAM	36	0	21.76	21.9	21.96	21.97	21.93	22.5	0
15	64QAM	36	20	21.78	21.95	21.97	21.88	21.9		
15	64QAM	36	39	21.8	21.87	21.94	21.82	21.86		
15	64QAM	75	0	21.88	21.87	21.95	21.86	21.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.53	21.83	21.95	21.99	21.83	22.5	0
10	QPSK	1	25	21.53	21.64	21.98	22	21.93		
10	QPSK	1	49	21.53	21.62	21.93	21.86	21.94		
10	QPSK	25	0	21.65	21.69	22.02	22.04	22.03	22.5	0
10	QPSK	25	12	21.6	21.67	22.03	21.99	21.98		
10	QPSK	25	25	21.58	21.68	22.02	21.93	21.99		
10	QPSK	50	0	21.6	21.72	21.84	21.8	21.84		
10	16QAM	1	0	21.93	22.06	21.92	22.01	22.01	22.5	0
10	16QAM	1	25	21.89	21.99	21.92	21.98	21.91		
10	16QAM	1	49	21.9	22	21.92	21.98	22.04		
10	16QAM	25	0	21.78	21.91	22.01	22	21.9	22.5	0
10	16QAM	25	12	21.81	21.91	22.02	21.92	21.95		
10	16QAM	25	25	21.73	21.88	21.95	21.91	21.91		
10	16QAM	50	0	21.76	21.87	21.96	21.9	21.93		
10	64QAM	1	0	21.8	21.92	22.03	22.01	21.98	22.5	0
10	64QAM	1	25	21.79	21.96	22.02	22.03	21.94		
10	64QAM	1	49	21.75	21.87	21.97	21.87	21.96		
10	64QAM	25	0	21.74	21.85	21.96	21.94	21.84	22.5	0
10	64QAM	25	12	21.75	21.83	21.95	21.85	21.87		
10	64QAM	25	25	21.68	21.85	21.92	21.83	21.85		
10	64QAM	50	0	21.71	21.81	21.91	21.85	21.85		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	21.54	21.62	21.99	21.99	21.9	22.5	0
5	QPSK	1	12	21.53	21.65	21.98	21.88	21.91		
5	QPSK	1	24	21.51	21.61	21.93	21.86	21.87		
5	QPSK	12	0	21.64	21.71	22.03	21.92	22	22.5	0
5	QPSK	12	7	21.62	21.74	22.03	21.99	22		
5	QPSK	12	13	21.59	21.71	22.04	21.94	21.96		
5	QPSK	25	0	21.62	21.71	22.04	21.94	21.98		
5	16QAM	1	0	21.94	22.02	22.03	22.03	22.02	22.5	0
5	16QAM	1	12	21.88	22.02	22.01	22.01	22.01		
5	16QAM	1	24	21.91	22.01	22.03	21.98	22.02		
5	16QAM	12	0	21.77	21.9	22	21.87	21.92	22.5	0
5	16QAM	12	7	21.8	21.92	22.01	21.9	21.93		
5	16QAM	12	13	21.72	21.88	22.01	21.88	21.91		
5	16QAM	25	0	21.75	21.88	21.99	21.88	21.93		
5	64QAM	1	0	21.82	21.89	21.99	21.99	21.93	22.5	0
5	64QAM	1	12	21.76	21.86	22	21.92	21.96		
5	64QAM	1	24	21.74	21.91	21.98	21.88	21.89		
5	64QAM	12	0	21.71	21.86	21.95	21.81	21.88	22.5	0
5	64QAM	12	7	21.74	21.86	21.94	21.86	21.89		
5	64QAM	12	13	21.65	21.83	21.95	21.82	21.86		
5	64QAM	25	0	21.82	21.81	21.92	21.82	21.86		

Reduced Power Mode for Hotspot On

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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	24.34	24.39	24.52	25	15.34	15.39	15.52	16
GPRS 1 Tx slot	24.33	24.38	24.5	25	15.33	15.38	15.5	16
GPRS 2 Tx slots	23.37	23.47	23.46	24	17.37	17.47	17.46	18
GPRS 3 Tx slots	21.69	21.75	21.86	22.5	17.43	17.49	17.6	18.24
GPRS 4 Tx slots	20.05	20.14	20.23	21	17.05	17.14	17.23	18
EDGE 1 Tx slot	20.58	20.6	20.7	21	11.58	11.6	11.7	12
EDGE 2 Tx slots	19.02	19	19.06	20	13.02	13	13.06	14
EDGE 3 Tx slots	17.41	17.4	17.5	18	13.15	13.14	13.24	13.74
EDGE 4 Tx slots	16.44	16.69	16.65	17	13.44	13.69	13.65	14

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	14.84	14.74	14.75	15.5	15.07	15.23	15.28	17
3GPP Rel 99	RMC 12.2Kbps	14.85	14.75	14.76	15.5	15.08	15.24	15.29	17
3GPP Rel 6	HSDPA Subtest-1	13.6	13.44	13.38	14.5	13.82	13.93	13.9	15
3GPP Rel 6	HSDPA Subtest-2	13.66	13.43	13.4	14.5	13.51	13.91	13.66	15
3GPP Rel 6	HSDPA Subtest-3	13.14	12.93	12.9	14	13.29	13.45	13.12	14.5
3GPP Rel 6	HSDPA Subtest-4	13.14	12.89	12.89	14	13.3	13.47	13.42	14.5
3GPP Rel 8	DC-HSDPA Subtest-1	13.59	13.43	13.39	14.5	13.81	13.92	13.89	15
3GPP Rel 8	DC-HSDPA Subtest-2	13.65	13.42	13.41	14.5	13.5	13.9	13.65	15
3GPP Rel 8	DC-HSDPA Subtest-3	13.15	12.94	12.92	14	13.3	13.46	13.13	14.5
3GPP Rel 8	DC-HSDPA Subtest-4	13.13	12.91	12.9	14	13.32	13.46	13.43	14.5
3GPP Rel 6	HSUPA Subtest-1	13.55	13.39	13.35	14.5	13.69	13.72	13.78	15
3GPP Rel 6	HSUPA Subtest-2	11.62	11.36	11.33	12.5	11.66	11.69	11.74	13
3GPP Rel 6	HSUPA Subtest-3	12.59	12.4	12.36	13.5	12.69	12.71	12.75	14
3GPP Rel 6	HSUPA Subtest-4	11.58	11.4	11.33	12.5	11.71	11.76	11.79	13
3GPP Rel 6	HSUPA Subtest-5	13.6	13.4	13.3	14.5	13.7	13.74	13.82	15

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
RC1 SO55	15.61	15.64	15.62	16.5
RC3 SO55	15.58	15.62	15.68	16.5
RC3 SO32 (F+SCH)	15.6	15.65	15.61	16.5
RC3 SO32 (+SCH)	15.67	15.64	15.65	16.5
RTAP 153.6Kbps	15.37	15.35	15.38	16.5
RETAP 4096Bits	15.64	15.6	15.65	16.5

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	14.14	14.02	14.02		
20	QPSK	1	49	14	14.02	14.02	14.5	0
20	QPSK	1	99	14.02	14.11	14.04		
20	QPSK	50	0	13.98	13.61	13.49		
20	QPSK	50	24	13.79	13.96	13.88	14.5	0
20	QPSK	50	50	13.56	13.97	13.89		
20	QPSK	100	0	13.67	13.56	13.47		
20	16QAM	1	0	13.98	13.98	13.94		
20	16QAM	1	49	13.89	13.93	13.95	14.5	0
20	16QAM	1	99	14	13.91	13.89		
20	16QAM	50	0	14	13.76	13.6		
20	16QAM	50	24	13.92	13.63	13.65	14.5	0
20	16QAM	50	50	13.69	13.57	13.59		
20	16QAM	100	0	13.79	13.69	13.53		
20	64QAM	1	0	13.89	14.1	13.85		
20	64QAM	1	49	13.96	13.83	13.84	14.5	0
20	64QAM	1	99	13.91	13.89	13.77		
20	64QAM	50	0	13.99	13.75	13.58		
20	64QAM	50	24	13.9	13.62	13.62	14.5	0
20	64QAM	50	50	13.68	13.55	13.58		
20	64QAM	100	0	13.79	13.69	13.55		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	13.92	13.63	13.59		
15	QPSK	1	37	13.74	13.45	13.45	14.5	0
15	QPSK	1	74	13.68	13.46	13.48		
15	QPSK	36	0	13.87	13.63	13.6		
15	QPSK	36	20	13.79	13.57	13.54	14.5	0
15	QPSK	36	39	13.76	13.46	13.53		
15	QPSK	75	0	13.78	13.53	13.52		
15	16QAM	1	0	13.89	13.99	13.97		
15	16QAM	1	37	14.08	13.81	13.84	14.5	0
15	16QAM	1	74	14.1	13.81	13.81		
15	16QAM	36	0	13.96	13.68	13.68		
15	16QAM	36	20	13.89	13.63	13.62	14.5	0
15	16QAM	36	39	13.88	13.62	13.64		
15	16QAM	75	0	13.9	13.66	13.63		
15	64QAM	1	0	13.88	13.92	13.83		
15	64QAM	1	37	13.97	13.73	13.76	14.5	0
15	64QAM	1	74	13.92	13.65	13.7		
15	64QAM	36	0	13.95	13.68	13.7		
15	64QAM	36	20	13.88	13.62	13.63	14.5	0
15	64QAM	36	39	13.86	13.61	13.61		
15	64QAM	75	0	13.9	13.66	13.63		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	14.04	13.77	13.63		
10	QPSK	1	25	13.73	13.55	13.54	14.5	0
10	QPSK	1	49	13.86	13.64	13.56		
10	QPSK	25	0	13.85	13.57	13.54		
10	QPSK	25	12	13.82	13.53	13.51	14.5	0
10	QPSK	25	25	13.74	13.5	13.46		
10	QPSK	50	0	13.81	13.54	13.49		
10	16QAM	1	0	13.98	13.89	13.89		
10	16QAM	1	25	14.08	13.88	13.9	14.5	0
10	16QAM	1	49	13.98	13.95	13.87		
10	16QAM	25	0	13.95	13.67	13.64		
10	16QAM	25	12	13.92	13.65	13.63	14.5	0
10	16QAM	25	25	13.87	13.57	13.54		
10	16QAM	50	0	13.92	13.63	13.6		
10	64QAM	1	0	13.89	14.01	13.88		
10	64QAM	1	25	13.98	13.82	13.8	14.5	0
10	64QAM	1	49	14.13	13.88	13.78		
10	64QAM	25	0	13.93	13.67	13.65		
10	64QAM	25	12	13.92	13.63	13.62	14.5	0
10	64QAM	25	25	13.85	13.58	13.55		
10	64QAM	50	0	13.91	13.64	13.58		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	13.81	13.54	13.5		
5	QPSK	1	12	13.75	13.45	13.45	14.5	0
5	QPSK	1	24	13.74	13.48	13.43		
5	QPSK	12	0	13.86	13.55	13.53		
5	QPSK	12	7	13.82	13.53	13.51	14.5	0
5	QPSK	12	13	13.75	13.52	13.48		
5	QPSK	25	0	13.8	13.48	13.5		
5	16QAM	1	0	14.13	13.87	13.89		
5	16QAM	1	12	14.07	13.81	13.78	14.5	0
5	16QAM	1	24	14.09	13.79	13.72		
5	16QAM	12	0	13.95	13.63	13.58		
5	16QAM	12	7	13.9	13.61	13.61	14.5	0
5	16QAM	12	13	13.86	13.58	13.57		
5	16QAM	25	0	13.89	13.61	13.6		
5	64QAM	1	0	14.02	13.8	13.76		
5	64QAM	1	12	14.03	13.72	13.64	14.5	0
5	64QAM	1	24	13.99	13.71	13.64		
5	64QAM	12	0	13.92	13.62	13.58		
5	64QAM	12	7	13.88	13.61	13.59	14.5	0
5	64QAM	12	13	13.84	13.56	13.55		
5	64QAM	25	0	13.89	13.61	13.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	13.79	13.49	13.43		
3	QPSK	1	8	13.74	13.45	13.42	14.5	0
3	QPSK	1	14	13.71	13.44	13.4		
3	QPSK	8	0	13.78	13.53	13.47		
3	QPSK	8	4	13.83	13.5	13.48	14.5	0
3	QPSK	8	7	13.8	13.47	13.45		
3	QPSK	15	0	13.78	13.49	13.46		
3	16QAM	1	0	13.98	13.81	13.8		
3	16QAM	1	8	14.09	13.85	13.78	14.5	0
3	16QAM	1	14	14.03	13.78	13.69		
3	16QAM	8	0	13.91	13.65	13.59		
3	16QAM	8	4	13.95	13.67	13.6	14.5	0
3	16QAM	8	7	13.92	13.64	13.56		
3	16QAM	15	0	13.87	13.58	13.57		
3	64QAM	1	0	13.99	13.71	13.69		
3	64QAM	1	8	13.99	13.7	13.7	14.5	0
3	64QAM	1	14	13.95	13.71	13.61		
3	64QAM	8	0	13.87	13.62	13.56		
3	64QAM	8	4	13.91	13.63	13.55	14.5	0
3	64QAM	8	7	13.9	13.58	13.53		
3	64QAM	15	0	13.85	13.55	13.55		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	13.7	13.37	13.37		
1.4	QPSK	1	3	13.72	13.46	13.45		
1.4	QPSK	1	5	13.65	13.39	13.34	14.5	0
1.4	QPSK	3	0	13.71	13.41	13.4		
1.4	QPSK	3	1	13.74	13.47	13.42		
1.4	QPSK	3	3	13.69	13.43	13.39		
1.4	QPSK	6	0	13.7	13.42	13.42	14.5	0
1.4	16QAM	1	0	14.05	13.71	13.71		
1.4	16QAM	1	3	14.07	13.8	13.78	14.5	0
1.4	16QAM	1	5	13.99	13.72	13.66		
1.4	16QAM	3	0	13.79	13.55	13.5		
1.4	16QAM	3	1	13.85	13.58	13.5		
1.4	16QAM	3	3	13.79	13.51	13.46		
1.4	16QAM	6	0	13.86	13.6	13.56	14.5	0
1.4	64QAM	1	0	13.91	13.63	13.6		
1.4	64QAM	1	3	13.95	13.7	13.65		
1.4	64QAM	1	5	13.85	13.65	13.56	14.5	0
1.4	64QAM	3	0	13.85	13.59	13.54		
1.4	64QAM	3	1	13.88	13.62	13.57		
1.4	64QAM	3	3	13.82	13.54	13.49		
1.4	64QAM	6	0	13.79	13.52	13.51	14.5	0

LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	14.12	14.31	14.22		
20	QPSK	1	49	13.93	13.94	13.97	15.5	0
20	QPSK	1	99	13.93	13.9	13.92		
20	QPSK	50	0	14.05	14.12	14.11		
20	QPSK	50	24	14.04	14.02	14.04	15.5	0
20	QPSK	50	50	13.98	13.93	13.96		
20	QPSK	100	0	14.04	14.07	14.05		
20	16QAM	1	0	14.24	14.02	14.02		
20	16QAM	1	49	14.06	14.13	14.09	15.5	0
20	16QAM	1	99	14.05	13.98	14.02		
20	16QAM	50	0	14.17	14.22	14.26		
20	16QAM	50	24	14.19	14.14	14.17	15.5	0
20	16QAM	50	50	14.09	14.07	14.12		
20	16QAM	100	0	14.2	14.17	14.21		
20	64QAM	1	0	14.14	14.22	14.25		
20	64QAM	1	49	13.92	13.94	13.99	15.5	0
20	64QAM	1	99	13.93	13.89	13.9		
20	64QAM	50	0	14.15	14.19	14.24		
20	64QAM	50	24	14.16	14.14	14.15	15.5	0
20	64QAM	50	50	14.07	14.05	14.09		
20	64QAM	100	0	14.17	14.16	14.21		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	14.19	14.18	14.21		
15	QPSK	1	37	13.95	14.01	13.96	15.5	0
15	QPSK	1	74	14.08	13.99	13.94		
15	QPSK	36	0	14.07	14.14	14.1		
15	QPSK	36	20	14.04	14.11	14.06	15.5	0
15	QPSK	36	39	14.09	14.03	13.96		
15	QPSK	75	0	14.15	14.07	14.02		
15	16QAM	1	0	14.29	14.02	14.02		
15	16QAM	1	37	14.12	14.19	14.07	15.5	0
15	16QAM	1	74	14.23	14.11	14.08		
15	16QAM	36	0	14.26	14.3	14.22		
15	16QAM	36	20	14.2	14.26	14.18	15.5	0
15	16QAM	36	39	14.22	14.17	14.12		
15	16QAM	75	0	14.27	14.26	14.18		
15	64QAM	1	0	14.17	14.28	14.18		
15	64QAM	1	37	13.99	14.09	13.93	15.5	0
15	64QAM	1	74	14.07	13.97	13.96		
15	64QAM	36	0	14.24	14.29	14.23		
15	64QAM	36	20	14.2	14.29	14.18	15.5	0
15	64QAM	36	39	14.22	14.16	14.11		
15	64QAM	75	0	14.27	14.26	14.18		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	14.06	14.1	14.06		
10	QPSK	1	25	13.97	14	13.96	15.5	0
10	QPSK	1	49	13.93	13.98	13.92		
10	QPSK	25	0	14.06	14.08	14.03		
10	QPSK	25	12	14.02	14.05	14.02	15.5	0
10	QPSK	25	25	13.97	14.01	13.98		
10	QPSK	50	0	14.02	14.05	14		
10	16QAM	1	0	14.2	14.25	14.15		
10	16QAM	1	25	14.13	14.17	14.07	15.5	0
10	16QAM	1	49	14.07	14.15	14.03		
10	16QAM	25	0	14.2	14.24	14.16		
10	16QAM	25	12	14.17	14.18	14.16	15.5	0
10	16QAM	25	25	14.11	14.15	14.09		
10	16QAM	50	0	14.17	14.2	14.13		
10	64QAM	1	0	14.07	14.1	14.08		
10	64QAM	1	25	13.99	14.06	13.96	15.5	0
10	64QAM	1	49	13.93	13.99	13.97		
10	64QAM	25	0	14.18	14.23	14.17		
10	64QAM	25	12	14.18	14.19	14.14	15.5	0
10	64QAM	25	25	14.13	14.15	14.1		
10	64QAM	50	0	14.16	14.18	14.11		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	14.03	14.05	14.03		
5	QPSK	1	12	14	13.96	13.93	15.5	0
5	QPSK	1	24	13.95	13.98	13.95		
5	QPSK	12	0	14.06	14.09	14.02		
5	QPSK	12	7	14.03	14.07	14.02	15.5	0
5	QPSK	12	13	14.01	14.01	13.97		
5	QPSK	25	0	13.99	14	13.96		
5	16QAM	1	0	14.17	14.19	14.1		
5	16QAM	1	12	14.1	14.18	14.12	15.5	0
5	16QAM	1	24	14.11	14.13	14.05		
5	16QAM	12	0	14.18	14.25	14.16		
5	16QAM	12	7	14.2	14.23	14.14	15.5	0
5	16QAM	12	13	14.15	14.22	14.1		
5	16QAM	25	0	14.14	14.15	14.1		
5	64QAM	1	0	14.05	14.11	13.99		
5	64QAM	1	12	13.97	14.01	13.94	15.5	0
5	64QAM	1	24	13.95	14	13.93		
5	64QAM	12	0	14.16	14.21	14.12		
5	64QAM	12	7	14.19	14.21	14.13	15.5	0
5	64QAM	12	13	14.13	14.2	14.08		
5	64QAM	25	0	14.14	14.15	14.1		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	13.99	14.03	13.99		
3	QPSK	1	8	13.98	13.96	13.92	15.5	0
3	QPSK	1	14	13.93	14	13.9		
3	QPSK	8	0	14.04	14.04	13.98		
3	QPSK	8	4	14.05	14.05	13.98	15.5	0
3	QPSK	8	7	13.96	14.02	13.97		
3	QPSK	15	0	13.97	14.02	13.94		
3	16QAM	1	0	14.09	14.09	14.07		
3	16QAM	1	8	14.07	14.18	14.04	15.5	0
3	16QAM	1	14	14.07	14.16	13.98		
3	16QAM	8	0	14.2	14.25	14.17		
3	16QAM	8	4	14.21	14.25	14.19	15.5	0
3	16QAM	8	7	14.19	14.22	14.14		
3	16QAM	15	0	14.15	14.17	14.09		
3	64QAM	1	0	14.29	14.01	14.24		
3	64QAM	1	8	14.27	14.01	14.27	15.5	0
3	64QAM	1	14	14.25	14.01	14.19		
3	64QAM	8	0	14.12	14.19	14.12		
3	64QAM	8	4	14.15	14.21	14.14	15.5	0
3	64QAM	8	7	14.17	14.16	14.09		
3	64QAM	15	0	14.14	14.16	14.05		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	13.88	13.91	13.87		
1.4	QPSK	1	3	13.99	13.97	13.91		
1.4	QPSK	1	5	13.87	13.9	13.82	15.5	0
1.4	QPSK	3	0	13.94	13.95	13.88		
1.4	QPSK	3	1	13.97	13.97	13.92		
1.4	QPSK	3	3	13.93	13.96	13.89		
1.4	QPSK	6	0	13.92	13.93	13.88	15.5	0
1.4	16QAM	1	0	14.06	14.08	13.97		
1.4	16QAM	1	3	14.09	14.19	14.07	15.5	0
1.4	16QAM	1	5	14.04	14.08	13.93		
1.4	16QAM	3	0	13.81	13.8	13.75		
1.4	16QAM	3	1	13.84	13.85	13.78		
1.4	16QAM	3	3	13.8	13.79	13.69		
1.4	16QAM	6	0	14.17	14.15	14.09	15.5	0
1.4	64QAM	1	0	14.21	14.25	14.14		
1.4	64QAM	1	3	14.3	14.02	14.22	15.5	0
1.4	64QAM	1	5	14.2	14.19	14.15		
1.4	64QAM	3	0	14.13	14.16	14.08		
1.4	64QAM	3	1	14.16	14.17	14.11		
1.4	64QAM	3	3	14.14	14.14	14.03		
1.4	64QAM	6	0	14.08	14.08	14	15.5	0

LTE Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20	19.98	20.07		
20	QPSK	1	49	19.97	20.02	19.86	20.5	0
20	QPSK	1	99	20.03	19.73	19.94		
20	QPSK	50	0	19.82	19.79	19.98		
20	QPSK	50	24	19.8	19.78	19.97	20.5	0
20	QPSK	50	50	19.76	19.78	19.96		
20	QPSK	100	0	19.77	19.78	19.96		
20	16QAM	1	0	19.93	19.96	19.76		
20	16QAM	1	49	19.97	19.98	19.89	20.5	0
20	16QAM	1	99	19.99	20.05	19.78		
20	16QAM	50	0	19.92	19.89	20.03		
20	16QAM	50	24	19.89	19.88	20.04	20.5	0
20	16QAM	50	50	19.85	19.86	19.89		
20	16QAM	100	0	19.84	19.82	20.04		
20	64QAM	1	0	19.82	19.92	19.89		
20	64QAM	1	49	19.88	19.91	19.98	20.5	0
20	64QAM	1	99	19.9	19.99	19.89		
20	64QAM	50	0	19.88	19.86	20.02		
20	64QAM	50	24	19.85	19.85	20.06	20.5	0
20	64QAM	50	50	19.83	19.83	20.05		
20	64QAM	100	0	19.85	19.85	20.04		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.71	19.77	19.89		
15	QPSK	1	37	19.61	19.68	19.89	20.5	0
15	QPSK	1	74	19.71	19.72	19.94		
15	QPSK	36	0	19.69	19.75	19.93		
15	QPSK	36	20	19.79	19.78	19.97	20.5	0
15	QPSK	36	39	19.75	19.76	19.94		
15	QPSK	75	0	19.77	19.75	19.95		
15	16QAM	1	0	19.94	19.89	19.89		
15	16QAM	1	37	19.86	20.01	19.78	20.5	0
15	16QAM	1	74	20.03	20.03	19.77		
15	16QAM	36	0	19.73	19.82	19.89		
15	16QAM	36	20	19.86	19.87	19.9	20.5	0
15	16QAM	36	39	19.83	19.83	19.88		
15	16QAM	75	0	19.84	19.86	19.78		
15	64QAM	1	0	19.84	20	19.87		
15	64QAM	1	37	19.81	19.92	19.87	20.5	0
15	64QAM	1	74	19.92	19.97	19.87		
15	64QAM	36	0	19.74	19.82	20.04		
15	64QAM	36	20	19.88	19.85	19.88	20.5	0
15	64QAM	36	39	19.81	19.82	20.02		
15	64QAM	75	0	19.84	19.87	20.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.69	19.7	19.93		
10	QPSK	1	25	19.65	19.69	19.94	20.5	0
10	QPSK	1	49	19.69	19.73	19.89		
10	QPSK	25	0	19.72	19.75	19.95		
10	QPSK	25	12	19.73	19.77	19.96	20.5	0
10	QPSK	25	25	19.77	19.74	19.93		
10	QPSK	50	0	19.79	19.75	19.97		
10	16QAM	1	0	19.87	20.03	19.76		
10	16QAM	1	25	19.93	19.99	19.88	20.5	0
10	16QAM	1	49	19.89	20.04	19.78		
10	16QAM	25	0	19.76	19.83	19.87		
10	16QAM	25	12	19.74	19.86	19.89	20.5	0
10	16QAM	25	25	19.85	19.84	19.88		
10	16QAM	50	0	19.87	19.83	20.04		
10	64QAM	1	0	19.84	19.95	19.87		
10	64QAM	1	25	19.81	19.91	19.98	20.5	0
10	64QAM	1	49	19.94	19.93	20		
10	64QAM	25	0	19.75	19.83	20.01		
10	64QAM	25	12	19.73	19.87	19.88	20.5	0
10	64QAM	25	25	19.84	19.84	20.05		
10	64QAM	50	0	19.89	19.84	20.01		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.63	19.66	19.92		
5	QPSK	1	12	19.64	19.7	19.93	20.5	0
5	QPSK	1	24	19.61	19.68	19.87		
5	QPSK	12	0	19.7	19.75	19.97		
5	QPSK	12	7	19.72	19.78	19.96	20.5	0
5	QPSK	12	13	19.69	19.74	19.93		
5	QPSK	25	0	19.71	19.74	19.98		
5	16QAM	1	0	19.89	20.01	19.89		
5	16QAM	1	12	19.87	20.01	19.88	20.5	0
5	16QAM	1	24	19.87	19.96	19.89		
5	16QAM	12	0	19.73	19.81	20.02		
5	16QAM	12	7	19.74	19.82	19.87	20.5	0
5	16QAM	12	13	19.74	19.79	20.05		
5	16QAM	25	0	19.72	19.82	20.03		
5	64QAM	1	0	19.8	19.89	19.88		
5	64QAM	1	12	19.82	19.91	19.89	20.5	0
5	64QAM	1	24	19.75	19.9	20		
5	64QAM	12	0	19.71	19.8	20		
5	64QAM	12	7	19.74	19.82	20.04	20.5	0
5	64QAM	12	13	19.71	19.79	20.03		
5	64QAM	25	0	19.74	19.83	20.02		

LTE Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	14.19	14.1	14.12	15.5	0
20	QPSK	1	49	14.11	14.1	14.02		
20	QPSK	1	99	14.02	14.15	14.02		
20	QPSK	50	0	14.02	14	13.57	15.5	0
20	QPSK	50	24	13.65	13.63	13.63		
20	QPSK	50	50	13.56	13.55	13.57		
20	QPSK	100	0	13.89	13.83	13.55		
20	16QAM	1	0	14.12	14.01	13.96	15.5	0
20	16QAM	1	49	13.96	13.93	13.96		
20	16QAM	1	99	14.02	13.97	13.81		
20	16QAM	50	0	13.91	13.86	13.7	15.5	0
20	16QAM	50	24	13.81	13.73	13.74		
20	16QAM	50	50	13.69	13.65	13.65		
20	16QAM	100	0	13.79	13.76	13.64		
20	64QAM	1	0	14.02	14.1	13.88	15.5	0
20	64QAM	1	49	13.85	13.82	13.82		
20	64QAM	1	99	13.94	13.85	13.74		
20	64QAM	50	0	13.89	13.84	13.68	15.5	0
20	64QAM	50	24	13.79	13.72	13.73		
20	64QAM	50	50	13.68	13.64	13.65		
20	64QAM	100	0	13.79	13.73	13.64		
Channel				26115	26340	26565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	13.8	13.65	13.69	15.5	0
15	QPSK	1	37	13.6	13.53	13.53		
15	QPSK	1	74	13.55	13.78	13.51		
15	QPSK	36	0	13.77	13.72	13.65	15.5	0
15	QPSK	36	20	13.72	13.65	13.65		
15	QPSK	36	39	13.63	13.55	13.54		
15	QPSK	75	0	13.67	13.6	13.58		
15	16QAM	1	0	14.15	14.01	14.1	15.5	0
15	16QAM	1	37	14	13.92	13.92		
15	16QAM	1	74	13.97	13.84	13.91		
15	16QAM	36	0	13.86	13.81	13.76	15.5	0
15	16QAM	36	20	13.8	13.74	13.73		
15	16QAM	36	39	13.76	13.66	13.68		
15	16QAM	75	0	13.79	13.76	13.69		
15	64QAM	1	0	14.07	13.92	13.99	15.5	0
15	64QAM	1	37	13.87	13.8	13.82		
15	64QAM	1	74	13.82	13.72	13.75		
15	64QAM	36	0	13.86	13.8	13.75	15.5	0
15	64QAM	36	20	13.79	13.74	13.72		
15	64QAM	36	39	13.76	13.64	13.66		
15	64QAM	75	0	13.81	13.74	13.69		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	13.92	13.75	13.6	15.5	0
10	QPSK	1	25	13.66	13.54	13.5		
10	QPSK	1	49	13.78	13.71	13.66		
10	QPSK	25	0	13.73	13.66	13.63	15.5	0
10	QPSK	25	12	13.72	13.62	13.58		
10	QPSK	25	25	13.64	13.57	13.57		
10	QPSK	50	0	13.69	13.63	13.62		
10	16QAM	1	0	14.11	14.18	14	15.5	0
10	16QAM	1	25	14.02	13.9	13.86		
10	16QAM	1	49	14.16	14.07	13.85		
10	16QAM	25	0	13.87	13.78	13.71	15.5	0
10	16QAM	25	12	13.82	13.74	13.66		
10	16QAM	25	25	13.76	13.69	13.64		
10	16QAM	50	0	13.84	13.74	13.7		
10	64QAM	1	0	14.18	14.03	13.87	15.5	0
10	64QAM	1	25	13.92	13.84	13.76		
10	64QAM	1	49	14.05	13.98	13.72		
10	64QAM	25	0	13.85	13.76	13.71	15.5	0
10	64QAM	25	12	13.83	13.72	13.66		
10	64QAM	25	25	13.75	13.69	13.64		
10	64QAM	50	0	13.81	13.74	13.68		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	13.72	13.52	13.57	15.5	0
5	QPSK	1	12	13.65	13.55	13.5		
5	QPSK	1	24	13.62	13.52	13.65		
5	QPSK	12	0	13.72	13.59	13.55	15.5	0
5	QPSK	12	7	13.7	13.59	13.54		
5	QPSK	12	13	13.68	13.56	13.76		
5	QPSK	25	0	13.68	13.59	13.51		
5	16QAM	1	0	14.05	13.8	13.84	15.5	0
5	16QAM	1	12	14.02	13.91	13.84		
5	16QAM	1	24	14.01	13.83	13.87		
5	16QAM	12	0	13.81	13.67	13.62	15.5	0
5	16QAM	12	7	13.82	13.73	13.61		
5	16QAM	12	13	13.79	13.68	13.63		
5	16QAM	25	0	13.78	13.66	13.66		
5	64QAM	1	0	13.94	13.74	13.79	15.5	0
5	64QAM	1	12	13.89	13.79	13.72		
5	64QAM	1	24	13.88	13.74	13.71		
5	64QAM	12	0	13.8	13.68	13.61	15.5	0
5	64QAM	12	7	13.8	13.7	13.6		
5	64QAM	12	13	13.78	13.67	13.6		
5	64QAM	25	0	13.78	13.67	13.64		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	13.66	13.56	13.78	15.5	0
3	QPSK	1	8	13.59	13.55	13.65		
3	QPSK	1	14	13.59	13.51	13.65		
3	QPSK	8	0	13.72	13.59	13.53	15.5	0
3	QPSK	8	4	13.7	13.61	13.53		
3	QPSK	8	7	13.68	13.56	13.5		
3	QPSK	15	0	13.69	13.55	13.51		
3	16QAM	1	0	14	13.8	13.8	15.5	0
3	16QAM	1	8	13.99	13.93	13.82		
3	16QAM	1	14	13.94	13.81	13.79		
3	16QAM	8	0	13.82	13.7	13.64	15.5	0
3	16QAM	8	4	13.83	13.77	13.69		
3	16QAM	8	7	13.82	13.71	13.62		
3	16QAM	15	0	13.78	13.7	13.6		
3	64QAM	1	0	13.89	13.68	13.73	15.5	0
3	64QAM	1	8	13.89	13.82	13.72		
3	64QAM	1	14	13.86	13.77	13.73		
3	64QAM	8	0	13.82	13.67	13.6	15.5	0
3	64QAM	8	4	13.8	13.74	13.65		
3	64QAM	8	7	13.78	13.71	13.59		
3	64QAM	15	0	13.78	13.66	13.59		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	13.66	13.52	13.65	15.5	0
1.4	QPSK	1	3	13.57	13.54	13.76		
1.4	QPSK	1	5	13.59	13.51	13.66		
1.4	QPSK	3	0	13.72	13.59	13.55		
1.4	QPSK	3	1	13.7	13.59	13.54		
1.4	QPSK	3	3	13.68	13.56	13.5		
1.4	QPSK	6	0	13.69	13.55	13.51	15.5	0
1.4	16QAM	1	0	13.98	13.82	13.84	15.5	0
1.4	16QAM	1	3	13.99	13.94	13.87		
1.4	16QAM	1	5	13.95	13.82	13.79		
1.4	16QAM	3	0	13.85	13.67	13.64		
1.4	16QAM	3	1	13.84	13.75	13.7		
1.4	16QAM	3	3	13.81	13.72	13.65		
1.4	16QAM	6	0	13.75	13.68	13.62	15.5	0
1.4	64QAM	1	0	13.82	13.69	13.71	15.5	0
1.4	64QAM	1	3	13.84	13.82	13.7		
1.4	64QAM	1	5	13.82	13.73	13.71		
1.4	64QAM	3	0	13.8	13.66	13.58		
1.4	64QAM	3	1	13.78	13.74	13.65		
1.4	64QAM	3	3	13.75	13.71	13.6		
1.4	64QAM	6	0	13.78	13.66	13.64	15.5	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		21.1		21.5	0
10	QPSK	1	25		20.98			
10	QPSK	1	49		20.71			
10	QPSK	25	0		20.99		21.5	0
10	QPSK	25	12		20.83			
10	QPSK	25	25		20.79			
10	QPSK	50	0		20.86			
10	16QAM	1	0		21		21.5	0
10	16QAM	1	25		21.07			
10	16QAM	1	49		21.05			
10	16QAM	25	0		20.96		21.5	0
10	16QAM	25	12		20.91			
10	16QAM	25	25		20.83			
10	16QAM	50	0		20.92			
10	64QAM	1	0		21.09		21.5	0
10	64QAM	1	25		20.97			
10	64QAM	1	49		20.95			
10	64QAM	25	0		20.97		21	0.5
10	64QAM	25	12		20.91			
10	64QAM	25	25		20.83			
10	64QAM	50	0		20.9			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.86	20.83	20.79	21.5	0
5	QPSK	1	12	20.79	20.76	20.75		
5	QPSK	1	24	20.76	20.74	20.71		
5	QPSK	12	0	20.86	20.83	20.78	21.5	0
5	QPSK	12	7	20.84	20.82	20.83		
5	QPSK	12	13	20.83	20.76	20.77		
5	QPSK	25	0	20.86	20.78	20.81		
5	16QAM	1	0	21	20.98	21.09	21.5	0
5	16QAM	1	12	21.09	21.05	21.04		
5	16QAM	1	24	21.08	21.07	21.07		
5	16QAM	12	0	20.95	20.9	20.85	21.5	0
5	16QAM	12	7	20.92	20.9	20.86		
5	16QAM	12	13	20.89	20.83	20.86		
5	16QAM	25	0	20.88	20.86	20.83		
5	64QAM	1	0	21.08	21.03	21	21.5	0
5	64QAM	1	12	21.02	20.97	20.98		
5	64QAM	1	24	20.93	20.96	20.96		
5	64QAM	12	0	20.93	20.88	20.84	21	0.5
5	64QAM	12	7	20.92	20.89	20.84		
5	64QAM	12	13	20.86	20.83	20.85		
5	64QAM	25	0	20.87	20.86	20.83		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	14.44	14.34	14.21	15.5	0
20	QPSK	1	49	14.23	14.23	14.11		
20	QPSK	1	99	14.21	14.11	14.21		
20	QPSK	50	0	14.21	14.12	14	15.5	0
20	QPSK	50	24	14.23	14.32	14.3		
20	QPSK	50	50	14.43	14.23	14.32		
20	QPSK	100	0	13.94	13.86	13.75		
20	16QAM	1	0	14.41	14.37	14.04	15.5	0
20	16QAM	1	49	14.39	14.21	13.98		
20	16QAM	1	99	14.32	14.14	13.93		
20	16QAM	50	0	14.16	14.08	13.91	15.5	0
20	16QAM	50	24	14.06	13.98	13.89		
20	16QAM	50	50	14.02	13.95	13.81		
20	16QAM	100	0	14.08	14.06	13.71		
20	64QAM	1	0	14.4	14.37	13.97	15.5	0
20	64QAM	1	49	14.21	14.1	13.9		
20	64QAM	1	99	14.22	14.01	13.92		
20	64QAM	50	0	14.13	14.05	13.8	15.5	0
20	64QAM	50	24	14.05	13.97	13.77		
20	64QAM	50	50	14	13.9	13.79		
20	64QAM	100	0	14.09	14.02	13.74		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	14.18	14.05	14.02	15.5	0
15	QPSK	1	37	14	13.9	13.8		
15	QPSK	1	74	13.94	13.89	13.85		
15	QPSK	36	0	14.12	14	13.99	15.5	0
15	QPSK	36	20	14.04	13.93	13.93		
15	QPSK	36	39	13.97	13.93	13.89		
15	QPSK	75	0	14.02	13.92	13.9		
15	16QAM	1	0	14.23	14.21	14.22	15.5	0
15	16QAM	1	37	14.4	14.29	14.29		
15	16QAM	1	74	14.39	14.33	14.27		
15	16QAM	36	0	14.24	14.17	14.12	15.5	0
15	16QAM	36	20	14.18	14.14	14.09		
15	16QAM	36	39	14.13	14.04	14		
15	16QAM	75	0	14.2	14.09	14.07		
15	64QAM	1	0	14.23	14.35	14.02	15.5	0
15	64QAM	1	37	14.32	14.22	14.19		
15	64QAM	1	74	14.36	14.23	14.22		
15	64QAM	36	0	14.22	14.13	14.12	15.5	0
15	64QAM	36	20	14.16	14.1	14.1		
15	64QAM	36	39	14.13	14.04	14.02		
15	64QAM	75	0	14.21	14.08	14.09		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	13.97	13.88	13.91	15.5	0
10	QPSK	1	25	13.88	13.78	13.81		
10	QPSK	1	49	13.82	13.74	13.79		
10	QPSK	25	0	13.94	13.87	13.89	15.5	0
10	QPSK	25	12	13.93	13.85	13.87		
10	QPSK	25	25	13.89	13.76	13.82		
10	QPSK	50	0	13.93	13.8	13.86		
10	16QAM	1	0	14.32	14.3	14.37	15.5	0
10	16QAM	1	25	14.32	14.18	14.31		
10	16QAM	1	49	14.28	14.18	14.23		
10	16QAM	25	0	14.07	14.01	14.07	15.5	0
10	16QAM	25	12	14.05	13.92	14.03		
10	16QAM	25	25	14.02	13.88	13.98		
10	16QAM	50	0	14.05	13.94	14.06		
10	64QAM	1	0	14.27	14.17	14.25	15.5	0
10	64QAM	1	25	14.2	14.1	14.18		
10	64QAM	1	49	14.14	14.03	14.13		
10	64QAM	25	0	14.07	14.01	14.04	15.5	0
10	64QAM	25	12	14.07	13.97	14		
10	64QAM	25	25	14.02	13.92	14		
10	64QAM	50	0	14.04	13.93	14.01		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	14.07	13.94	13.93	15.5	0
5	QPSK	1	12	14.01	13.87	13.94		
5	QPSK	1	24	13.98	13.87	13.9		
5	QPSK	12	0	14.07	13.95	14	15.5	0
5	QPSK	12	7	14.08	13.96	13.97		
5	QPSK	12	13	14.04	13.92	13.95		
5	QPSK	25	0	14.06	13.95	13.91		
5	16QAM	1	0	14.12	14.36	14.43	15.5	0
5	16QAM	1	12	14.42	14.32	14.33		
5	16QAM	1	24	14.39	14.29	14.32		
5	16QAM	12	0	14.24	14.11	14.1	15.5	0
5	16QAM	12	7	14.24	14.11	14.1		
5	16QAM	12	13	14.17	14.09	14.1		
5	16QAM	25	0	14.18	14.05	14.08		
5	64QAM	1	0	14.02	14.32	14.25	15.5	0
5	64QAM	1	12	14.31	14.22	14.2		
5	64QAM	1	24	14.33	14.17	14.2		
5	64QAM	12	0	14.16	14.09	14.12	15.5	0
5	64QAM	12	7	14.21	14.08	14.1		
5	64QAM	12	13	14.14	14.05	14.04		
5	64QAM	25	0	14.15	14.05	14.08		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	14.05	13.86	13.95	15.5	0
3	QPSK	1	8	14.06	13.98	14.01		
3	QPSK	1	14	13.99	13.85	13.88		
3	QPSK	8	0	14.02	13.95	13.9	15.5	0
3	QPSK	8	4	14.06	13.91	13.84		
3	QPSK	8	7	14.04	13.89	13.97		
3	QPSK	15	0	14.01	13.89	13.92		
3	16QAM	1	0	14.35	14.28	14.31	15.5	0
3	16QAM	1	8	14.4	14.35	14.37		
3	16QAM	1	14	14.33	14.25	14.32		
3	16QAM	8	0	14.11	14.05	14.07	15.5	0
3	16QAM	8	4	14.2	14.02	14.14		
3	16QAM	8	7	14.11	14.01	14.05		
3	16QAM	15	0	14.14	14.03	14.15		
3	64QAM	1	0	14.25	14.13	14.1	15.5	0
3	64QAM	1	8	14.3	14.23	14.2		
3	64QAM	1	14	14.27	14.12	14.2		
3	64QAM	8	0	14.14	14.05	14.03	15.5	0
3	64QAM	8	4	14.18	14.01	14.08		
3	64QAM	8	7	14.12	13.98	14.04		
3	64QAM	15	0	14.07	13.95	13.97		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	13.99	13.83	13.88	15.5	0
1.4	QPSK	1	3	14.03	13.92	13.96		
1.4	QPSK	1	5	13.94	13.82	13.85		
1.4	QPSK	3	0	14	13.89	13.91		
1.4	QPSK	3	1	14.03	13.9	13.93		
1.4	QPSK	3	3	13.99	13.87	13.9		
1.4	QPSK	6	0	14	13.88	13.89	15.5	0
1.4	16QAM	1	0	14.37	14.3	14.29	15.5	0
1.4	16QAM	1	3	14.42	14.34	14.39		
1.4	16QAM	1	5	14.4	14.27	14.29		
1.4	16QAM	3	0	14.15	14.01	14.06		
1.4	16QAM	3	1	14.22	14.07	14.12		
1.4	16QAM	3	3	14.13	13.99	14.08		
1.4	16QAM	6	0	14.18	14.07	14.11	15.5	0
1.4	64QAM	1	0	14.26	14.16	14.15	15.5	0
1.4	64QAM	1	3	14.31	14.25	14.21		
1.4	64QAM	1	5	14.3	14.16	14.19		
1.4	64QAM	3	0	14.19	14.07	14.08		
1.4	64QAM	3	1	14.21	14.08	14.13		
1.4	64QAM	3	3	14.16	14.03	14.09		
1.4	64QAM	6	0	14.1	13.98	13.98	15.5	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.13	22.2	22.18	22.5	0
20	QPSK	1	49	22.1	22.15	22.11		
20	QPSK	1	99	21.93	22.13	22.02		
20	QPSK	50	0	21.67	21.73	21.56	22.5	0
20	QPSK	50	24	21.6	21.69	21.59		
20	QPSK	50	50	21.68	21.66	21.54		
20	QPSK	100	0	21.6	21.66	21.59		
20	16QAM	1	0	21.67	21.8	21.75	22.5	0
20	16QAM	1	49	21.65	21.7	21.66		
20	16QAM	1	99	21.79	21.68	21.64		
20	16QAM	50	0	20.73	20.81	20.71	22	0.5
20	16QAM	50	24	20.73	20.77	20.66		
20	16QAM	50	50	20.81	20.74	20.68		
20	16QAM	100	0	20.7	20.76	20.69		
20	64QAM	1	0	20.7	20.77	20.75	22	0.5
20	64QAM	1	49	20.68	20.69	20.65		
20	64QAM	1	99	20.77	20.69	20.61		
20	64QAM	50	0	19.94	19.95	19.87	21	1.5
20	64QAM	50	24	19.91	19.95	19.87		
20	64QAM	50	50	20	19.93	19.86		
20	64QAM	100	0	19.98	20.04	19.96		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.02	22.11	22.11	22.5	0
15	QPSK	1	37	21.99	22.06	22.04		
15	QPSK	1	74	21.82	22.04	21.95		
15	QPSK	36	0	21.56	21.64	21.49	22.5	0
15	QPSK	36	20	21.49	21.6	21.52		
15	QPSK	36	39	21.57	21.57	21.47		
15	QPSK	75	0	21.49	21.57	21.52		
15	16QAM	1	0	21.56	21.71	21.68	22.5	0
15	16QAM	1	37	21.54	21.61	21.59		
15	16QAM	1	74	21.68	21.59	21.57		
15	16QAM	36	0	20.62	20.72	20.64	22	0.5
15	16QAM	36	20	20.62	20.68	20.59		
15	16QAM	36	39	20.7	20.65	20.61		
15	16QAM	75	0	20.59	20.67	20.62		
15	64QAM	1	0	20.59	20.68	20.68	22	0.5
15	64QAM	1	37	20.57	20.6	20.58		
15	64QAM	1	74	20.66	20.6	20.54		
15	64QAM	36	0	19.83	19.86	19.8	21	1.5
15	64QAM	36	20	19.8	19.86	19.8		
15	64QAM	36	39	19.89	19.84	19.79		
15	64QAM	75	0	19.87	19.95	19.89		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.09	21.71	22.14	22.5	0
10	QPSK	1	25	22.05	22.18	22.01		
10	QPSK	1	49	22.14	22.18	22.01		
10	QPSK	25	0	21.49	21.64	21.53	22.5	0
10	QPSK	25	12	21.6	21.66	21.58		
10	QPSK	25	25	21.55	21.59	21.45		
10	QPSK	50	0	21.6	21.67	21.58		
10	16QAM	1	0	21.66	21.81	21.72	22.5	0
10	16QAM	1	25	21.59	21.74	21.59		
10	16QAM	1	49	21.66	21.71	21.53		
10	16QAM	25	0	20.63	20.74	20.67	22	0.5
10	16QAM	25	12	20.72	20.75	20.68		
10	16QAM	25	25	20.7	20.72	20.55		
10	16QAM	50	0	20.72	20.74	20.7		
10	64QAM	1	0	20.64	20.77	20.69	22	0.5
10	64QAM	1	25	20.56	20.74	20.56		
10	64QAM	1	49	20.65	20.73	20.55		
10	64QAM	25	0	19.78	19.94	19.87	21	1.5
10	64QAM	25	12	19.9	19.95	19.87		
10	64QAM	25	25	19.88	19.9	19.74		
10	64QAM	50	0	19.9	19.92	19.82		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.98	21.62	22.07	22.5	0
5	QPSK	1	12	21.94	22.09	21.94		
5	QPSK	1	24	22.03	22.09	21.94		
5	QPSK	12	0	21.38	21.55	21.46	22.5	0
5	QPSK	12	7	21.49	21.57	21.51		
5	QPSK	12	13	21.44	21.5	21.38		
5	QPSK	25	0	21.49	21.58	21.51		
5	16QAM	1	0	21.55	21.72	21.65	22.5	0
5	16QAM	1	12	21.48	21.65	21.52		
5	16QAM	1	24	21.55	21.62	21.46		
5	16QAM	12	0	20.52	20.65	20.6	22	0.5
5	16QAM	12	7	20.61	20.66	20.61		
5	16QAM	12	13	20.59	20.63	20.48		
5	16QAM	25	0	20.61	20.65	20.63		
5	64QAM	1	0	20.53	20.68	20.62	22	0.5
5	64QAM	1	12	20.45	20.65	20.49		
5	64QAM	1	24	20.54	20.64	20.48		
5	64QAM	12	0	19.67	19.85	19.8	21	1.5
5	64QAM	12	7	19.79	19.86	19.8		
5	64QAM	12	13	19.77	19.81	19.67		
5	64QAM	25	0	19.79	19.83	19.75		

LTE Band 41

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	21.95	22.07	22.23	22.34	22.28	22.5	0
20	QPSK	1	49	21.88	21.94	22.08	22.23	22.17		
20	QPSK	1	99	21.91	22.05	22.28	22.18	22.16		
20	QPSK	50	0	21.44	21.52	21.77	21.85	21.79	22.5	0
20	QPSK	50	24	21.54	21.56	21.74	21.72	21.76		
20	QPSK	50	50	21.45	21.51	21.73	21.72	21.72		
20	QPSK	100	0	21.5	21.51	21.72	21.77	21.75		
20	16QAM	1	0	21.65	21.72	21.87	21.95	21.91	22.5	0
20	16QAM	1	49	21.54	21.64	21.75	21.87	21.79		
20	16QAM	1	99	21.6	21.77	21.92	21.84	21.8		
20	16QAM	50	0	20.56	20.66	20.8	20.98	20.88	22	0.5
20	16QAM	50	24	20.62	20.67	20.88	20.85	20.85		
20	16QAM	50	50	20.58	20.66	20.86	20.85	20.79		
20	16QAM	100	0	20.63	20.66	20.86	20.87	20.83		
20	64QAM	1	0	20.52	20.64	20.74	20.88	20.79	22	0.5
20	64QAM	1	49	20.41	20.51	20.64	20.75	20.67		
20	64QAM	1	99	20.45	20.63	20.82	20.67	20.63		
20	64QAM	50	0	19.62	19.73	19.97	20.05	19.96	21	1.5
20	64QAM	50	24	19.68	19.75	19.95	19.92	19.95		
20	64QAM	50	50	19.66	19.7	19.89	19.92	19.88		
20	64QAM	100	0	19.83	19.78	20.04	19.99	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.85	21.94	22.24	22.28	22.13	22.5	0
15	QPSK	1	37	21.81	21.89	22.14	22.19	22.03		
15	QPSK	1	74	21.84	21.98	22.27	22.17	22.07		
15	QPSK	36	0	21.32	21.66	21.74	21.75	21.68	22.5	0
15	QPSK	36	20	21.29	21.63	21.74	21.69	21.64		
15	QPSK	36	39	21.29	21.6	21.72	21.62	21.61		
15	QPSK	75	0	21.36	21.68	21.72	21.7	21.68		
15	16QAM	1	0	21.49	21.71	21.87	21.86	21.77	22.5	0
15	16QAM	1	37	21.51	21.64	21.79	21.82	21.69		
15	16QAM	1	74	21.5	21.82	21.96	21.75	21.73		
15	16QAM	36	0	20.39	20.66	20.81	20.83	20.66	22	0.5
15	16QAM	36	20	20.36	20.69	20.8	20.68	20.73		
15	16QAM	36	39	20.43	20.62	20.77	20.7	20.66		
15	16QAM	75	0	20.52	20.74	20.8	20.79	20.8		
15	64QAM	1	0	20.44	20.67	20.78	20.76	20.67	22	0.5
15	64QAM	1	37	20.34	20.61	20.75	20.72	20.57		
15	64QAM	1	74	20.41	20.79	20.83	20.62	20.63		
15	64QAM	36	0	19.52	19.86	19.95	20.01	19.82	21	1.5
15	64QAM	36	20	19.53	19.83	19.97	19.86	19.89		
15	64QAM	36	39	19.6	19.82	19.99	19.84	19.79		
15	64QAM	75	0	19.59	19.81	19.95	19.92	19.91		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.71	21.83	22.13	22.19	22.08	22.5	0
10	QPSK	1	25	21.76	21.83	22.13	22.19	22.04		
10	QPSK	1	49	21.71	21.76	22.12	22.11	22.04		
10	QPSK	25	0	21.19	21.28	21.69	21.69	21.6	22.5	0
10	QPSK	25	12	21.22	21.47	21.65	21.6	21.62		
10	QPSK	25	25	21.21	21.36	21.68	21.58	21.57		
10	QPSK	50	0	21.25	21.35	21.65	21.63	21.61		
10	16QAM	1	0	21.46	21.52	21.82	21.82	21.71	22.5	0
10	16QAM	1	25	21.38	21.58	21.81	21.82	21.68		
10	16QAM	1	49	21.33	21.61	21.76	21.67	21.65		
10	16QAM	25	0	20.39	20.52	20.79	20.85	20.74	22	0.5
10	16QAM	25	12	20.39	20.54	20.82	20.72	20.7		
10	16QAM	25	25	20.36	20.63	20.76	20.71	20.67		
10	16QAM	50	0	20.33	20.62	20.8	20.74	20.69		
10	64QAM	1	0	20.32	20.41	20.7	20.73	20.59	22	0.5
10	64QAM	1	25	20.25	20.44	20.69	20.67	20.53		
10	64QAM	1	49	20.24	20.45	20.63	20.55	20.58		
10	64QAM	25	0	19.45	19.58	19.83	19.94	19.8	21	1.5
10	64QAM	25	12	19.47	19.67	19.89	19.79	19.77		
10	64QAM	25	25	19.45	19.62	19.8	19.79	19.75		
10	64QAM	50	0	19.39	19.55	19.84	19.79	19.78		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	21.74	21.83	22.17	22.14	22.05	22.5	0
5	QPSK	1	12	21.76	21.83	22.14	22.1	22.1		
5	QPSK	1	24	21.68	21.77	22.1	22.07	22		
5	QPSK	12	0	21.25	21.38	21.74	21.66	21.65	22.5	0
5	QPSK	12	7	21.25	21.39	21.74	21.68	21.72		
5	QPSK	12	13	21.27	21.36	21.75	21.61	21.66		
5	QPSK	25	0	21.21	21.37	21.66	21.6	21.66		
5	16QAM	1	0	21.4	21.48	21.79	21.82	21.72	22.5	0
5	16QAM	1	12	21.35	21.53	21.85	21.7	21.71		
5	16QAM	1	24	21.36	21.52	21.84	21.69	21.7		
5	16QAM	12	0	20.31	20.48	20.77	20.71	20.68	22	0.5
5	16QAM	12	7	20.39	20.51	20.81	20.76	20.75		
5	16QAM	12	13	20.38	20.49	20.72	20.7	20.71		
5	16QAM	25	0	20.33	20.49	20.81	20.79	20.77		
5	64QAM	1	0	20.33	20.37	20.69	20.66	20.65	22	0.5
5	64QAM	1	12	20.3	20.36	20.78	20.6	20.63		
5	64QAM	1	24	20.31	20.39	20.75	20.6	20.61		
5	64QAM	12	0	19.46	19.59	19.9	19.81	19.83	21	1.5
5	64QAM	12	7	19.47	19.61	19.94	19.84	19.88		
5	64QAM	12	13	19.48	19.58	19.87	19.78	19.85		
5	64QAM	25	0	19.41	19.6	19.89	19.83	19.87		

LTE Band 41 HPUE

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	22.02	21.98	21.96	22.09	21.98	22.5	0
20	QPSK	1	49	21.78	21.98	21.91	21.87	21.9		
20	QPSK	1	99	21.62	21.72	22.06	21.84	21.95		
20	QPSK	50	0	21.67	21.75	22.01	22.07	22.06	22.5	0
20	QPSK	50	24	21.76	21.73	22.06	22.01	22.04		
20	QPSK	50	50	21.69	21.68	22.03	21.89	21.98		
20	QPSK	100	0	21.75	21.73	22.01	22.06	22.05		
20	16QAM	1	0	21.97	22.04	22.01	22.03	22.03	22.5	0
20	16QAM	1	49	21.84	22	22.01	22.06	22.02		
20	16QAM	1	99	21.89	22.02	22.01	21.99	22.05		
20	16QAM	50	0	21.82	21.9	22.01	21.99	21.97	22.5	0
20	16QAM	50	24	21.86	21.9	21.98	21.88	22		
20	16QAM	50	50	21.79	21.85	21.97	21.86	21.93		
20	16QAM	100	0	21.82	21.92	21.99	21.92	21.94		
20	64QAM	1	0	21.87	21.96	21.92	22.07	22.01	22.5	0
20	64QAM	1	49	21.77	21.86	21.91	21.99	21.92		
20	64QAM	1	99	21.85	21.98	21.98	21.88	21.93		
20	64QAM	50	0	21.8	21.83	21.93	21.97	21.91	22.5	0
20	64QAM	50	24	21.78	21.81	21.95	21.87	21.88		
20	64QAM	50	50	21.7	21.82	21.99	21.77	21.86		
20	64QAM	100	0	21.88	21.94	21.98	21.91	21.97		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.71	21.7	22.02	22.04	21.93	22.5	0
15	QPSK	1	37	21.58	21.69	21.97	21.95	21.91		
15	QPSK	1	74	21.66	21.78	22.04	21.93	21.92		
15	QPSK	36	0	21.69	21.75	22.04	22.03	22.01	22.5	0
15	QPSK	36	20	21.67	21.79	22.06	21.99	22.01		
15	QPSK	36	39	21.71	21.77	21.83	21.75	21.77		
15	QPSK	75	0	21.73	21.76	21.81	21.76	21.77		
15	16QAM	1	0	21.99	22.05	22.03	22.01	22.01	22.5	0
15	16QAM	1	37	21.85	22.04	22.04	22.04	22.04		
15	16QAM	1	74	22.02	22.01	21.93	21.99	22.05		
15	16QAM	36	0	21.75	21.88	21.93	21.96	21.88	22.5	0
15	16QAM	36	20	21.75	21.88	21.95	21.83	21.86		
15	16QAM	36	39	21.8	21.85	21.95	21.81	21.83		
15	16QAM	75	0	21.83	21.93	21.96	21.84	21.9		
15	64QAM	1	0	21.91	21.93	22.05	22.02	21.95	22.5	0
15	64QAM	1	37	21.81	21.93	21.99	21.93	21.94		
15	64QAM	1	74	21.85	22.03	22.08	21.89	21.97		
15	64QAM	36	0	21.76	21.9	21.96	21.97	21.93	22.5	0
15	64QAM	36	20	21.78	21.95	21.97	21.88	21.9		
15	64QAM	36	39	21.8	21.87	21.94	21.82	21.86		
15	64QAM	75	0	21.88	21.87	21.95	21.86	21.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.53	21.63	21.95	21.99	21.83	22.5	0
10	QPSK	1	25	21.53	21.64	21.98	22	21.93		
10	QPSK	1	49	21.53	21.62	21.93	21.86	21.94		
10	QPSK	25	0	21.65	21.69	22.02	22.04	22.03	22.5	0
10	QPSK	25	12	21.6	21.67	22.03	21.99	21.98		
10	QPSK	25	25	21.58	21.68	22.02	21.93	21.99		
10	QPSK	50	0	21.6	21.72	21.84	21.8	21.84		
10	16QAM	1	0	21.93	22.06	21.92	22.01	22.01	22.5	0
10	16QAM	1	25	21.89	21.99	21.92	21.98	21.91		
10	16QAM	1	49	21.9	22	21.92	21.98	22.04		
10	16QAM	25	0	21.78	21.91	22.01	22	21.9	22.5	0
10	16QAM	25	12	21.81	21.91	22.02	21.92	21.95		
10	16QAM	25	25	21.73	21.88	21.95	21.91	21.91		
10	16QAM	50	0	21.76	21.87	21.96	21.9	21.93		
10	64QAM	1	0	21.8	21.92	22.03	22.01	21.98	22.5	0
10	64QAM	1	25	21.79	21.96	22.02	22.03	21.94		
10	64QAM	1	49	21.75	21.87	21.97	21.87	21.96		
10	64QAM	25	0	21.74	21.85	21.96	21.94	21.84	22.5	0
10	64QAM	25	12	21.75	21.83	21.95	21.85	21.87		
10	64QAM	25	25	21.68	21.85	21.92	21.83	21.85		
10	64QAM	50	0	21.71	21.81	21.91	21.85	21.85		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	21.54	21.62	21.99	21.99	21.9	22.5	0
5	QPSK	1	12	21.53	21.65	21.98	21.88	21.91		
5	QPSK	1	24	21.51	21.61	21.93	21.86	21.87		
5	QPSK	12	0	21.64	21.71	22.03	21.92	22	22.5	0
5	QPSK	12	7	21.62	21.74	22.03	21.99	22		
5	QPSK	12	13	21.59	21.71	22.04	21.94	21.96		
5	QPSK	25	0	21.62	21.71	22.04	21.94	21.98		
5	16QAM	1	0	21.94	22.02	22.03	22.03	22.02	22.5	0
5	16QAM	1	12	21.88	22.02	22.01	22.01	22.01		
5	16QAM	1	24	21.91	22.01	22.03	21.98	22.02		
5	16QAM	12	0	21.77	21.9	22	21.87	21.92	22.5	0
5	16QAM	12	7	21.8	21.92	22.01	21.9	21.93		
5	16QAM	12	13	21.72	21.88	22.01	21.88	21.91		
5	16QAM	25	0	21.75	21.88	21.99	21.88	21.93		
5	64QAM	1	0	21.82	21.89	21.99	21.99	21.93	22.5	0
5	64QAM	1	12	21.76	21.86	22	21.92	21.96		
5	64QAM	1	24	21.74	21.91	21.98	21.88	21.89		
5	64QAM	12	0	21.71	21.86	21.95	21.81	21.88	22.5	0
5	64QAM	12	7	21.74	21.86	21.94	21.86	21.89		
5	64QAM	12	13	21.65	21.83	21.95	21.82	21.86		
5	64QAM	25	0	21.82	21.81	21.92	21.82	21.86		

Reduced Power Mode for Handheld On

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.12	19.04	19.03	20	18.77	18.94	18.98	20.5
3GPP Rel 99	RMC 12.2Kbps	19.13	19.05	19.04	20	18.78	18.95	18.99	20.5
3GPP Rel 6	HSDPA Subtest-1	18.22	18.12	18.07	19	17.95	18.07	18.14	19
3GPP Rel 6	HSDPA Subtest-2	18.18	18.09	18.14	19	17.94	18.12	18.1	19
3GPP Rel 6	HSDPA Subtest-3	17.78	17.62	17.6	18.5	17.43	17.55	17.62	18.5
3GPP Rel 6	HSDPA Subtest-4	17.69	17.65	17.62	18.5	17.35	17.58	17.6	18.5
3GPP Rel 8	DC-HSDPA Subtest-1	18.21	18.11	18.06	19	17.94	18.08	18.15	19
3GPP Rel 8	DC-HSDPA Subtest-2	18.19	18.1	18.15	19	17.93	18.11	18.12	19
3GPP Rel 8	DC-HSDPA Subtest-3	17.79	17.63	17.61	18.5	17.44	17.54	17.61	18.5
3GPP Rel 8	DC-HSDPA Subtest-4	17.7	17.66	17.6	18.5	17.36	17.55	17.63	18.5
3GPP Rel 6	HSUPA Subtest-1	18.27	18.14	18.09	19	17.89	17.96	18.06	19
3GPP Rel 6	HSUPA Subtest-2	16.3	16.11	16.08	17	15.96	15.98	16.04	17
3GPP Rel 6	HSUPA Subtest-3	17.26	17.18	17.05	18	16.84	16.95	17.08	18
3GPP Rel 6	HSUPA Subtest-4	16.24	16.13	16.04	17	15.88	16.01	16.11	17
3GPP Rel 6	HSUPA Subtest-5	18.28	18.17	18.06	19	17.92	18.05	18.07	19

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
RC1 SO55	20.24	20.31	20.27	21
RC3 SO55	20.21	20.28	20.33	21
RC3 SO32 (F+SCH)	20.25	20.32	20.29	21
RC3 SO32 (+SCH)	20.28	20.3	20.27	21
RTAP 153.6Kbps	20.14	20.16	20.27	21
RETAP 4096Bits	20.23	20.28	20.26	21

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.94	18.66	18.65		
20	QPSK	1	49	18.78	18.75	18.67	19.5	0
20	QPSK	1	99	18.89	18.78	18.76		
20	QPSK	50	0	18.88	18.44	18.65		
20	QPSK	50	24	18.6	18.55	18.65	19.5	0
20	QPSK	50	50	18.65	18.54	18.77		
20	QPSK	100	0	18.76	18.39	18.29		
20	16QAM	1	0	18.78	18.89	18.69		
20	16QAM	1	49	18.89	18.61	18.69	19.5	0
20	16QAM	1	99	18.79	18.77	18.66		
20	16QAM	50	0	18.78	18.57	18.44		
20	16QAM	50	24	18.66	18.5	18.49	19.5	0
20	16QAM	50	50	18.53	18.39	18.47		
20	16QAM	100	0	18.58	18.49	18.39		
20	64QAM	1	0	18.87	18.9	18.6		
20	64QAM	1	49	18.76	18.55	18.62	19.5	0
20	64QAM	1	99	18.68	18.61	18.56		
20	64QAM	50	0	18.74	18.54	18.45		
20	64QAM	50	24	18.67	18.48	18.47	19.5	0
20	64QAM	50	50	18.5	18.4	18.46		
20	64QAM	100	0	18.6	18.5	18.38		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.75	18.47	18.5		
15	QPSK	1	37	18.53	18.27	18.33	19.5	0
15	QPSK	1	74	18.48	18.25	18.35		
15	QPSK	36	0	18.67	18.43	18.46		
15	QPSK	36	20	18.59	18.38	18.39	19.5	0
15	QPSK	36	39	18.55	18.27	18.37		
15	QPSK	75	0	18.61	18.34	18.4		
15	16QAM	1	0	18.89	18.87	18.85		
15	16QAM	1	37	18.86	18.64	18.7	19.5	0
15	16QAM	1	74	18.81	18.61	18.68		
15	16QAM	36	0	18.72	18.55	18.54		
15	16QAM	36	20	18.68	18.44	18.47	19.5	0
15	16QAM	36	39	18.64	18.39	18.41		
15	16QAM	75	0	18.7	18.44	18.49		
15	64QAM	1	0	18.93	18.78	18.72		
15	64QAM	1	37	18.73	18.54	18.61	19.5	0
15	64QAM	1	74	18.69	18.49	18.52		
15	64QAM	36	0	18.76	18.55	18.54		
15	64QAM	36	20	18.66	18.5	18.46	19.5	0
15	64QAM	36	39	18.62	18.38	18.41		
15	64QAM	75	0	18.68	18.48	18.48		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.86	18.56	18.42		
10	QPSK	1	25	18.52	18.49	18.52	19.5	0
10	QPSK	1	49	18.72	18.46	18.5		
10	QPSK	25	0	18.64	18.37	18.43		
10	QPSK	25	12	18.64	18.38	18.41	19.5	0
10	QPSK	25	25	18.57	18.3	18.39		
10	QPSK	50	0	18.62	18.32	18.38		
10	16QAM	1	0	18.77	18.87	18.75		
10	16QAM	1	25	18.88	18.62	18.68	19.5	0
10	16QAM	1	49	18.78	18.81	18.6		
10	16QAM	25	0	18.73	18.47	18.46		
10	16QAM	25	12	18.68	18.46	18.49	19.5	0
10	16QAM	25	25	18.62	18.39	18.4		
10	16QAM	50	0	18.68	18.45	18.46		
10	64QAM	1	0	18.87	18.86	18.63		
10	64QAM	1	25	18.73	18.55	18.59	19.5	0
10	64QAM	1	49	18.92	18.67	18.61		
10	64QAM	25	0	18.72	18.48	18.48		
10	64QAM	25	12	18.66	18.47	18.48	19.5	0
10	64QAM	25	25	18.61	18.38	18.39		
10	64QAM	50	0	18.66	18.43	18.44		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.63	18.34	18.37		
5	QPSK	1	12	18.55	18.28	18.32	19.5	0
5	QPSK	1	24	18.53	18.27	18.32		
5	QPSK	12	0	18.62	18.33	18.37		
5	QPSK	12	7	18.61	18.33	18.37	19.5	0
5	QPSK	12	13	18.6	18.3	18.35		
5	QPSK	25	0	18.58	18.29	18.35		
5	16QAM	1	0	18.77	18.71	18.71		
5	16QAM	1	12	18.9	18.59	18.62	19.5	0
5	16QAM	1	24	18.88	18.61	18.61		
5	16QAM	12	0	18.69	18.42	18.47		
5	16QAM	12	7	18.66	18.43	18.47	19.5	0
5	16QAM	12	13	18.65	18.38	18.41		
5	16QAM	25	0	18.63	18.39	18.45		
5	64QAM	1	0	18.87	18.61	18.6		
5	64QAM	1	12	18.76	18.51	18.53	19.5	0
5	64QAM	1	24	18.76	18.54	18.52		
5	64QAM	12	0	18.67	18.41	18.43		
5	64QAM	12	7	18.65	18.41	18.44	19.5	0
5	64QAM	12	13	18.62	18.38	18.39		
5	64QAM	25	0	18.63	18.39	18.43		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.54	18.28	18.3		
3	QPSK	1	8	18.52	18.23	18.26	19.5	0
3	QPSK	1	14	18.49	18.2	18.25		
3	QPSK	8	0	18.6	18.29	18.32		
3	QPSK	8	4	18.6	18.28	18.35	19.5	0
3	QPSK	8	7	18.55	18.26	18.29		
3	QPSK	15	0	18.56	18.27	18.3		
3	16QAM	1	0	18.87	18.63	18.61		
3	16QAM	1	8	18.89	18.56	18.62	19.5	0
3	16QAM	1	14	18.78	18.57	18.53		
3	16QAM	8	0	18.66	18.41	18.4		
3	16QAM	8	4	18.71	18.44	18.41	19.5	0
3	16QAM	8	7	18.67	18.38	18.39		
3	16QAM	15	0	18.65	18.38	18.38		
3	64QAM	1	0	18.75	18.46	18.48		
3	64QAM	1	8	18.72	18.43	18.47	19.5	0
3	64QAM	1	14	18.74	18.44	18.43		
3	64QAM	8	0	18.63	18.39	18.35		
3	64QAM	8	4	18.67	18.39	18.36	19.5	0
3	64QAM	8	7	18.63	18.33	18.33		
3	64QAM	15	0	18.6	18.35	18.35		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.34	18.1	18.1		
1.4	QPSK	1	3	18.4	18.12	18.21		
1.4	QPSK	1	5	18.34	18.05	18.07	19.5	0
1.4	QPSK	3	0	18.39	18.11	18.18		
1.4	QPSK	3	1	18.41	18.14	18.2		
1.4	QPSK	3	3	18.4	18.09	18.15		
1.4	QPSK	6	0	18.37	18.11	18.16	19.5	0
1.4	16QAM	1	0	18.66	18.43	18.43		
1.4	16QAM	1	3	18.81	18.49	18.51	19.5	0
1.4	16QAM	1	5	18.62	18.38	18.36		
1.4	16QAM	3	0	18.48	18.2	18.2		
1.4	16QAM	3	1	18.5	18.26	18.25		
1.4	16QAM	3	3	18.47	18.17	18.18		
1.4	16QAM	6	0	18.56	18.26	18.27	19.5	0
1.4	64QAM	1	0	18.55	18.32	18.3		
1.4	64QAM	1	3	18.6	18.38	18.42		
1.4	64QAM	1	5	18.58	18.32	18.28	19.5	0
1.4	64QAM	3	0	18.51	18.26	18.23		
1.4	64QAM	3	1	18.58	18.28	18.27		
1.4	64QAM	3	3	18.49	18.22	18.21		
1.4	64QAM	6	0	18.46	18.19	18.19	19.5	0

LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.67	18.79	18.66		
20	QPSK	1	49	18.67	18.56	18.67	19.5	0
20	QPSK	1	99	18.75	18.65	18.66		
20	QPSK	50	0	18.56	18.57	18.29		
20	QPSK	50	24	18.34	18.25	18.25	19.5	0
20	QPSK	50	50	18.22	18.21	18.2		
20	QPSK	100	0	18.34	18.35	18.24		
20	16QAM	1	0	18.71	18.78	18.74		
20	16QAM	1	49	18.55	18.58	18.5	19.5	0
20	16QAM	1	99	18.53	18.52	18.43		
20	16QAM	50	0	18.4	18.43	18.4		
20	16QAM	50	24	18.44	18.37	18.33	19.5	0
20	16QAM	50	50	18.32	18.29	18.23		
20	16QAM	100	0	18.4	18.35	18.32		
20	64QAM	1	0	18.61	18.66	18.64		
20	64QAM	1	49	18.39	18.47	18.37	19.5	0
20	64QAM	1	99	18.43	18.4	18.32		
20	64QAM	50	0	18.42	18.4	18.36		
20	64QAM	50	24	18.41	18.36	18.32	19.5	0
20	64QAM	50	50	18.31	18.27	18.21		
20	64QAM	100	0	18.41	18.35	18.32		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.32	18.39	18.33		
15	QPSK	1	37	18.16	18.16	18.15	19.5	0
15	QPSK	1	74	18.22	18.19	18.13		
15	QPSK	36	0	18.24	18.35	18.28		
15	QPSK	36	20	18.23	18.3	18.23	19.5	0
15	QPSK	36	39	18.26	18.2	18.15		
15	QPSK	75	0	18.31	18.26	18.2		
15	16QAM	1	0	18.72	18.76	18.73		
15	16QAM	1	37	18.54	18.61	18.47	19.5	0
15	16QAM	1	74	18.61	18.55	18.49		
15	16QAM	36	0	18.38	18.4	18.38		
15	16QAM	36	20	18.34	18.34	18.29	19.5	0
15	16QAM	36	39	18.34	18.3	18.26		
15	16QAM	75	0	18.39	18.37	18.28		
15	64QAM	1	0	18.62	18.66	18.61		
15	64QAM	1	37	18.38	18.46	18.42	19.5	0
15	64QAM	1	74	18.46	18.42	18.4		
15	64QAM	36	0	18.39	18.42	18.35		
15	64QAM	36	20	18.33	18.35	18.29	19.5	0
15	64QAM	36	39	18.33	18.32	18.26		
15	64QAM	75	0	18.42	18.35	18.29		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.22	18.39	18.32		
10	QPSK	1	25	18.13	18.3	18.23	19.5	0
10	QPSK	1	49	18.09	18.25	18.17		
10	QPSK	25	0	18.21	18.38	18.3		
10	QPSK	25	12	18.23	18.34	18.29	19.5	0
10	QPSK	25	25	18.2	18.29	18.27		
10	QPSK	50	0	18.2	18.32	18.26		
10	16QAM	1	0	18.6	18.45	18.64		
10	16QAM	1	25	18.49	18.66	18.54	19.5	0
10	16QAM	1	49	18.5	18.61	18.57		
10	16QAM	25	0	18.29	18.49	18.37		
10	16QAM	25	12	18.32	18.42	18.39	19.5	0
10	16QAM	25	25	18.28	18.38	18.31		
10	16QAM	50	0	18.38	18.42	18.35		
10	64QAM	1	0	18.62	18.64	18.58		
10	64QAM	1	25	18.47	18.51	18.45	19.5	0
10	64QAM	1	49	18.51	18.51	18.45		
10	64QAM	25	0	18.46	18.48	18.38		
10	64QAM	25	12	18.41	18.42	18.39	19.5	0
10	64QAM	25	25	18.37	18.38	18.31		
10	64QAM	50	0	18.37	18.41	18.34		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.23	18.28	18.21		
5	QPSK	1	12	18.16	18.16	18.12	19.5	0
5	QPSK	1	24	18.14	18.17	18.13		
5	QPSK	12	0	18.2	18.24	18.18		
5	QPSK	12	7	18.26	18.28	18.18	19.5	0
5	QPSK	12	13	18.18	18.25	18.17		
5	QPSK	25	0	18.2	18.22	18.21		
5	16QAM	1	0	18.61	18.63	18.52		
5	16QAM	1	12	18.51	18.53	18.5	19.5	0
5	16QAM	1	24	18.52	18.56	18.5		
5	16QAM	12	0	18.3	18.34	18.28		
5	16QAM	12	7	18.35	18.35	18.26	19.5	0
5	16QAM	12	13	18.27	18.32	18.21		
5	16QAM	25	0	18.28	18.3	18.21		
5	64QAM	1	0	18.51	18.51	18.42		
5	64QAM	1	12	18.39	18.44	18.37	19.5	0
5	64QAM	1	24	18.38	18.45	18.37		
5	64QAM	12	0	18.3	18.34	18.25		
5	64QAM	12	7	18.32	18.32	18.25	19.5	0
5	64QAM	12	13	18.25	18.29	18.21		
5	64QAM	25	0	18.26	18.29	18.22		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.19	18.2	18.16		
3	QPSK	1	8	18.16	18.16	18.12	19.5	0
3	QPSK	1	14	18.14	18.14	18.1		
3	QPSK	8	0	18.18	18.22	18.13		
3	QPSK	8	4	18.23	18.21	18.16	19.5	0
3	QPSK	8	7	18.18	18.2	18.15		
3	QPSK	15	0	18.16	18.17	18.16		
3	16QAM	1	0	18.54	18.6	18.5		
3	16QAM	1	8	18.51	18.58	18.47	19.5	0
3	16QAM	1	14	18.49	18.51	18.44		
3	16QAM	8	0	18.35	18.33	18.27		
3	16QAM	8	4	18.37	18.37	18.31	19.5	0
3	16QAM	8	7	18.3	18.37	18.26		
3	16QAM	15	0	18.26	18.32	18.26		
3	64QAM	1	0	18.4	18.44	18.34		
3	64QAM	1	8	18.4	18.43	18.31	19.5	0
3	64QAM	1	14	18.36	18.43	18.3		
3	64QAM	8	0	18.31	18.31	18.22		
3	64QAM	8	4	18.34	18.33	18.26	19.5	0
3	64QAM	8	7	18.27	18.3	18.24		
3	64QAM	15	0	18.24	18.28	18.22		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.06	18.09	18.02		
1.4	QPSK	1	3	18.16	18.19	18.09		
1.4	QPSK	1	5	18.06	18.07	18.04	19.5	0
1.4	QPSK	3	0	18.15	18.13	18.11		
1.4	QPSK	3	1	18.16	18.17	18.12		
1.4	QPSK	3	3	18.13	18.1	18.06		
1.4	QPSK	6	0	18.12	18.15	18.09	19.5	0
1.4	16QAM	1	0	18.44	18.48	18.38		
1.4	16QAM	1	3	18.52	18.53	18.46	19.5	0
1.4	16QAM	1	5	18.41	18.42	18.35		
1.4	16QAM	3	0	18.25	18.24	18.17		
1.4	16QAM	3	1	18.27	18.29	18.24		
1.4	16QAM	3	3	18.16	18.22	18.17		
1.4	16QAM	6	0	18.27	18.29	18.23	19.5	0
1.4	64QAM	1	0	18.33	18.37	18.27		
1.4	64QAM	1	3	18.41	18.44	18.34	19.5	0
1.4	64QAM	1	5	18.32	18.34	18.32		
1.4	64QAM	3	0	18.31	18.27	18.19		
1.4	64QAM	3	1	18.31	18.36	18.22		
1.4	64QAM	3	3	18.22	18.27	18.19		
1.4	64QAM	6	0	18.18	18.19	18.15	19.5	0

LTE Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.11	22.12	22.29		
20	QPSK	1	49	22.12	22.02	22.03	23	0
20	QPSK	1	99	21.98	22.02	22		
20	QPSK	50	0	21.94	21.92	22.11		
20	QPSK	50	24	21.92	21.91	22.08	23	0
20	QPSK	50	50	21.86	21.89	22.1		
20	QPSK	100	0	21.91	21.9	22.07		
20	16QAM	1	0	22	21.98	22.26		
20	16QAM	1	49	21.99	21.98	22.28	23	0
20	16QAM	1	99	22.04	22.1	22.01		
20	16QAM	50	0	20.97	20.99	21.14		
20	16QAM	50	24	21	20.97	21.16	22	1
20	16QAM	50	50	20.93	20.95	21.15		
20	16QAM	100	0	20.92	20.95	21.11		
20	64QAM	1	0	21.04	21.03	21.27		
20	64QAM	1	49	21.04	21.01	21.25	22	1
20	64QAM	1	99	21.05	21.09	21.37		
20	64QAM	50	0	20.1	20.09	20.24		
20	64QAM	50	24	20.06	20.09	20.25	21	2
20	64QAM	50	50	20	20.04	20.23		
20	64QAM	100	0	20.01	20.07	20.24		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.85	21.88	22.03		
15	QPSK	1	37	21.72	21.81	21.99	23	0
15	QPSK	1	74	21.79	21.84	22.01		
15	QPSK	36	0	21.84	21.89	22.04		
15	QPSK	36	20	21.91	21.88	22.08	23	0
15	QPSK	36	39	21.86	21.87	22.07		
15	QPSK	75	0	21.89	21.88	22.08		
15	16QAM	1	0	22.03	22.08	22.28		
15	16QAM	1	37	21.94	22.04	22.02	23	0
15	16QAM	1	74	22.03	22.08	22.01		
15	16QAM	36	0	20.87	20.93	21.1		
15	16QAM	36	20	20.95	20.95	21.17	22	1
15	16QAM	36	39	20.91	20.92	21.14		
15	16QAM	75	0	20.96	20.93	21.11		
15	64QAM	1	0	21.03	21.14	21.32		
15	64QAM	1	37	20.94	21.02	21.32	22	1
15	64QAM	1	74	21.07	21.13	21.33		
15	64QAM	36	0	19.98	20.04	20.21		
15	64QAM	36	20	20.06	20.05	20.24	21	2
15	64QAM	36	39	20.02	20.03	20.25		
15	64QAM	75	0	20.06	20.03	20.22		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.8	21.82	22.01		
10	QPSK	1	25	21.76	21.81	22.02	23	0
10	QPSK	1	49	21.84	21.83	22		
10	QPSK	25	0	21.87	21.91	22.07		
10	QPSK	25	12	21.87	21.91	22.11	23	0
10	QPSK	25	25	21.92	21.88	22.05		
10	QPSK	50	0	21.93	21.88	22.08		
10	16QAM	1	0	21.98	22.04	22.01		
10	16QAM	1	25	21.93	22.02	22.03	23	0
10	16QAM	1	49	22.02	22.06	22.27		
10	16QAM	25	0	20.88	20.93	21.13		
10	16QAM	25	12	20.9	20.95	21.15	22	1
10	16QAM	25	25	20.94	20.93	21.12		
10	16QAM	50	0	20.95	20.93	21.15		
10	64QAM	1	0	21	21.08	21.31		
10	64QAM	1	25	21	21.06	21.33	22	1
10	64QAM	1	49	21.07	21.05	21.3		
10	64QAM	25	0	19.99	20.05	20.25		
10	64QAM	25	12	20	20.05	20.26	21	2
10	64QAM	25	25	20.05	20.03	20.26		
10	64QAM	50	0	20.05	20.05	20.24		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.79	21.79	21.99		
5	QPSK	1	12	21.81	21.84	22.01	23	0
5	QPSK	1	24	21.76	21.79	21.98		
5	QPSK	12	0	21.82	21.86	22.07		
5	QPSK	12	7	21.84	21.91	22.09	23	0
5	QPSK	12	13	21.82	21.88	22.05		
5	QPSK	25	0	21.86	21.88	22.07		
5	16QAM	1	0	21.99	22.04	22.02		
5	16QAM	1	12	21.97	22.07	22.02	23	0
5	16QAM	1	24	21.94	22.03	22.26		
5	16QAM	12	0	20.86	20.9	21.13		
5	16QAM	12	7	20.87	20.92	21.16	22	1
5	16QAM	12	13	20.84	20.92	21.1		
5	16QAM	25	0	20.87	20.91	21.11		
5	64QAM	1	0	20.97	21.06	21.31		
5	64QAM	1	12	21	21.06	21.34	22	1
5	64QAM	1	24	20.96	21.01	21.28		
5	64QAM	12	0	19.95	19.99	20.24		
5	64QAM	12	7	19.96	20.05	20.25	21	2
5	64QAM	12	13	19.94	20.02	20.24		
5	64QAM	25	0	19.98	20.02	20.23		

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LTE Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	18.89	18.53	18.82	19.5	0
20	QPSK	1	49	18.66	18.67	18.77		
20	QPSK	1	99	18.76	18.72	18.78		
20	QPSK	50	0	18.47	18.43	18.38	19.5	0
20	QPSK	50	24	18.37	18.38	18.41		
20	QPSK	50	50	18.29	18.27	18.38		
20	QPSK	100	0	18.37	18.35	18.33		
20	16QAM	1	0	18.77	18.62	18.54	19.5	0
20	16QAM	1	49	18.35	18.31	18.42		
20	16QAM	1	99	18.39	18.43	18.46		
20	16QAM	50	0	18.58	18.52	18.49	19.5	0
20	16QAM	50	24	18.48	18.39	18.54		
20	16QAM	50	50	18.39	18.35	18.49		
20	16QAM	100	0	18.42	18.43	18.43		
20	64QAM	1	0	18.78	18.76	18.66	19.5	0
20	64QAM	1	49	18.5	18.44	18.56		
20	64QAM	1	99	18.56	18.57	18.55		
20	64QAM	50	0	18.54	18.47	18.46	19.5	0
20	64QAM	50	24	18.45	18.43	18.51		
20	64QAM	50	50	18.37	18.35	18.46		
20	64QAM	100	0	18.45	18.45	18.44		
Channel				26115	26340	26565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	18.43	18.33	18.43	19.5	0
15	QPSK	1	37	18.27	18.26	18.25		
15	QPSK	1	74	18.21	18.23	18.24		
15	QPSK	36	0	18.44	18.39	18.39	19.5	0
15	QPSK	36	20	18.37	18.32	18.36		
15	QPSK	36	39	18.25	18.27	18.32		
15	QPSK	75	0	18.32	18.33	18.35		
15	16QAM	1	0	18.82	18.67	18.84	19.5	0
15	16QAM	1	37	18.57	18.54	18.63		
15	16QAM	1	74	18.53	18.5	18.64		
15	16QAM	36	0	18.5	18.45	18.48	19.5	0
15	16QAM	36	20	18.45	18.38	18.44		
15	16QAM	36	39	18.35	18.33	18.41		
15	16QAM	75	0	18.41	18.39	18.45		
15	64QAM	1	0	18.7	18.6	18.72	19.5	0
15	64QAM	1	37	18.47	18.44	18.53		
15	64QAM	1	74	18.44	18.4	18.55		
15	64QAM	36	0	18.47	18.45	18.47	19.5	0
15	64QAM	36	20	18.45	18.39	18.41		
15	64QAM	36	39	18.35	18.32	18.38		
15	64QAM	75	0	18.42	18.41	18.44		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	18.57	18.44	18.36	19.5	0
10	QPSK	1	25	18.27	18.25	18.25		
10	QPSK	1	49	18.41	18.42	18.18		
10	QPSK	25	0	18.4	18.33	18.36	19.5	0
10	QPSK	25	12	18.37	18.36	18.35		
10	QPSK	25	25	18.31	18.29	18.27		
10	QPSK	50	0	18.38	18.32	18.31		
10	16QAM	1	0	18.72	18.52	18.45	19.5	0
10	16QAM	1	25	18.39	18.37	18.35		
10	16QAM	1	49	18.52	18.46	18.42		
10	16QAM	25	0	18.48	18.41	18.42	19.5	0
10	16QAM	25	12	18.42	18.41	18.39		
10	16QAM	25	25	18.38	18.35	18.41		
10	16QAM	50	0	18.44	18.42	18.44		
10	64QAM	1	0	18.75	18.6	18.54	19.5	0
10	64QAM	1	25	18.46	18.43	18.54		
10	64QAM	1	49	18.65	18.61	18.49		
10	64QAM	25	0	18.48	18.41	18.42	19.5	0
10	64QAM	25	12	18.41	18.41	18.39		
10	64QAM	25	25	18.38	18.35	18.38		
10	64QAM	50	0	18.43	18.39	18.4		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	18.36	18.2	18.35	19.5	0
5	QPSK	1	12	18.27	18.25	18.28		
5	QPSK	1	24	18.28	18.23	18.31		
5	QPSK	12	0	18.38	18.32	18.36	19.5	0
5	QPSK	12	7	18.35	18.31	18.36		
5	QPSK	12	13	18.31	18.27	18.34		
5	QPSK	25	0	18.32	18.29	18.37		
5	16QAM	1	0	18.67	18.59	18.72	19.5	0
5	16QAM	1	12	18.58	18.58	18.71		
5	16QAM	1	24	18.57	18.61	18.68		
5	16QAM	12	0	18.43	18.46	18.48	19.5	0
5	16QAM	12	7	18.41	18.46	18.45		
5	16QAM	12	13	18.37	18.38	18.46		
5	16QAM	25	0	18.4	18.41	18.47		
5	64QAM	1	0	18.56	18.46	18.63	19.5	0
5	64QAM	1	12	18.5	18.51	18.57		
5	64QAM	1	24	18.49	18.53	18.58		
5	64QAM	12	0	18.4	18.44	18.45	19.5	0
5	64QAM	12	7	18.41	18.45	18.43		
5	64QAM	12	13	18.35	18.4	18.43		
5	64QAM	25	0	18.39	18.41	18.47		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	18.39	18.23	18.3	19.5	0
3	QPSK	1	8	18.31	18.27	18.28		
3	QPSK	1	14	18.32	18.3	18.24		
3	QPSK	8	0	18.42	18.37	18.32	19.5	0
3	QPSK	8	4	18.42	18.38	18.35		
3	QPSK	8	7	18.39	18.34	18.32		
3	QPSK	15	0	18.41	18.35	18.29		
3	16QAM	1	0	18.65	18.5	18.63	19.5	0
3	16QAM	1	8	18.67	18.6	18.66		
3	16QAM	1	14	18.6	18.61	18.67		
3	16QAM	8	0	18.51	18.43	18.48	19.5	0
3	16QAM	8	4	18.5	18.48	18.49		
3	16QAM	8	7	18.46	18.43	18.49		
3	16QAM	15	0	18.48	18.42	18.43		
3	64QAM	1	0	18.59	18.42	18.57	19.5	0
3	64QAM	1	8	18.56	18.47	18.59		
3	64QAM	1	14	18.55	18.46	18.51		
3	64QAM	8	0	18.46	18.4	18.43	19.5	0
3	64QAM	8	4	18.47	18.42	18.44		
3	64QAM	8	7	18.44	18.4	18.43		
3	64QAM	15	0	18.46	18.38	18.4		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	18.31	18.27	18.21	19.5	0
1.4	QPSK	1	3	18.34	18.3	18.25		
1.4	QPSK	1	5	18.28	18.22	18.17		
1.4	QPSK	3	0	18.33	18.29	18.25		
1.4	QPSK	3	1	18.36	18.32	18.27		
1.4	QPSK	3	3	18.32	18.28	18.26		
1.4	QPSK	6	0	18.34	18.28	18.24	19.5	0
1.4	16QAM	1	0	18.61	18.55	18.63	19.5	0
1.4	16QAM	1	3	18.68	18.57	18.68		
1.4	16QAM	1	5	18.56	18.53	18.59		
1.4	16QAM	3	0	18.39	18.35	18.37		
1.4	16QAM	3	1	18.46	18.37	18.44		
1.4	16QAM	3	3	18.39	18.35	18.38		
1.4	16QAM	6	0	18.5	18.41	18.44	19.5	0
1.4	64QAM	1	0	18.46	18.44	18.46	19.5	0
1.4	64QAM	1	3	18.55	18.48	18.56		
1.4	64QAM	1	5	18.52	18.45	18.49		
1.4	64QAM	3	0	18.41	18.4	18.4		
1.4	64QAM	3	1	18.48	18.41	18.44		
1.4	64QAM	3	3	18.43	18.36	18.37		
1.4	64QAM	6	0	18.4	18.33	18.36	19.5	0

LTE Band 30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		22.44		23	0
10	QPSK	1	25		22.09			
10	QPSK	1	49		22.1			
10	QPSK	25	0		22.25		23	0
10	QPSK	25	12		22.16			
10	QPSK	25	25		22.13			
10	QPSK	50	0		22.18			
10	16QAM	1	0		22.23		23	0
10	16QAM	1	25		22.42			
10	16QAM	1	49		22.23			
10	16QAM	25	0		21.3		22	1
10	16QAM	25	12		21.25			
10	16QAM	25	25		21.23			
10	16QAM	50	0		21.28			
10	64QAM	1	0		21.57		22	1
10	64QAM	1	25		21.42			
10	64QAM	1	49		21.43			
10	64QAM	25	0		20.39		21	2
10	64QAM	25	12		20.37			
10	64QAM	25	25		20.34			
10	64QAM	50	0		20.34			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.23	22.19	22.16	23	0
5	QPSK	1	12	22.14	22.14	22.11		
5	QPSK	1	24	22.11	22.12	22.08		
5	QPSK	12	0	22.21	22.18	22.16	23	0
5	QPSK	12	7	22.21	22.15	22.18		
5	QPSK	12	13	22.17	22.14	22.11		
5	QPSK	25	0	22.16	22.18	22.14		
5	16QAM	1	0	22.23	22.22	22.34	23	0
5	16QAM	1	12	22.41	22.12	22.21		
5	16QAM	1	24	22.43	22.43	22.43		
5	16QAM	12	0	21.26	21.25	21.23	22	1
5	16QAM	12	7	21.26	21.22	21.26		
5	16QAM	12	13	21.22	21.23	21.21		
5	16QAM	25	0	21.24	21.2	21.23		
5	64QAM	1	0	21.52	21.53	21.44	22	1
5	64QAM	1	12	21.43	21.46	21.45		
5	64QAM	1	24	21.41	21.47	21.44		
5	64QAM	12	0	20.34	20.34	20.32	21	2
5	64QAM	12	7	20.36	20.3	20.37		
5	64QAM	12	13	20.32	20.31	20.29		
5	64QAM	25	0	20.34	20.32	20.34		

LTE Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.13	18.89	18.98	19.5	0
20	QPSK	1	49	19	18.64	18.87		
20	QPSK	1	99	18.65	18.98	18.99		
20	QPSK	50	0	18.98	18.64	18.7	19.5	0
20	QPSK	50	24	18.72	18.66	18.7		
20	QPSK	50	50	18.71	18.63	18.68		
20	QPSK	100	0	18.74	18.64	18.72		
20	16QAM	1	0	19.1	19.09	19.05	19.5	0
20	16QAM	1	49	19.11	19.04	19.09		
20	16QAM	1	99	19.09	18.98	19.02		
20	16QAM	50	0	18.89	18.86	18.83	19.5	0
20	16QAM	50	24	18.85	18.79	18.81		
20	16QAM	50	50	18.83	18.76	18.78		
20	16QAM	100	0	18.84	18.78	18.75		
20	64QAM	1	0	19.05	18.93	18.99	19.5	0
20	64QAM	1	49	19.02	18.87	18.93		
20	64QAM	1	99	19.04	18.85	18.9		
20	64QAM	50	0	18.86	18.8	18.79	19.5	0
20	64QAM	50	24	18.83	18.78	18.81		
20	64QAM	50	50	18.84	18.77	18.78		
20	64QAM	100	0	18.85	18.81	18.73		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.73	18.63	18.59	19.5	0
15	QPSK	1	37	18.69	18.66	18.63		
15	QPSK	1	74	18.66	18.62	18.7		
15	QPSK	36	0	18.76	18.65	18.63	19.5	0
15	QPSK	36	20	18.74	18.63	18.71		
15	QPSK	36	39	18.72	18.67	18.7		
15	QPSK	75	0	18.77	18.66	18.66		
15	16QAM	1	0	19.11	19.1	19.04	19.5	0
15	16QAM	1	37	19.08	19.06	19.06		
15	16QAM	1	74	19.06	19	19.01		
15	16QAM	36	0	18.86	18.9	18.84	19.5	0
15	16QAM	36	20	18.87	18.81	18.78		
15	16QAM	36	39	18.85	18.84	18.8		
15	16QAM	75	0	18.83	18.79	18.75		
15	64QAM	1	0	19.06	18.95	18.98	19.5	0
15	64QAM	1	37	19.04	18.89	18.95		
15	64QAM	1	74	19.07	18.83	18.91		
15	64QAM	36	0	18.87	18.79	18.74	19.5	0
15	64QAM	36	20	18.82	18.75	18.82		
15	64QAM	36	39	18.83	18.73	18.77		
15	64QAM	75	0	18.84	18.82	18.72		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.66	18.58	18.56	19.5	0
10	QPSK	1	25	18.62	18.6	18.67		
10	QPSK	1	49	18.59	18.61	18.66		
10	QPSK	25	0	18.73	18.76	18.89	19.5	0
10	QPSK	25	12	18.71	18.78	18.9		
10	QPSK	25	25	18.69	18.77	18.93		
10	QPSK	50	0	18.83	18.89	18.96		
10	16QAM	1	0	19.09	19.11	19.03	19.5	0
10	16QAM	1	25	19.06	19.01	19.04		
10	16QAM	1	49	19.05	19.09	19.11		
10	16QAM	25	0	18.83	18.87	18.95	19.5	0
10	16QAM	25	12	18.82	18.86	18.92		
10	16QAM	25	25	18.81	18.85	18.96		
10	16QAM	50	0	18.76	18.821	18.89		
10	64QAM	1	0	18.73	18.78	18.87	19.5	0
10	64QAM	1	25	18.95	18.89	18.82		
10	64QAM	1	49	18.92	18.84	18.81		
10	64QAM	25	0	18.96	18.81	18.84	19.5	0
10	64QAM	25	12	18.93	18.85	18.89		
10	64QAM	25	25	18.86	18.76	18.8		
10	64QAM	50	0	18.8	18.85	18.93		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.63	18.53	18.51	19.5	0
5	QPSK	1	12	18.57	18.51	18.49		
5	QPSK	1	24	18.55	18.49	18.48		
5	QPSK	12	0	18.65	18.52	18.53	19.5	0
5	QPSK	12	7	18.63	18.53	18.57		
5	QPSK	12	13	18.6	18.5	18.56		
5	QPSK	25	0	18.62	18.52	18.58		
5	16QAM	1	0	19.02	18.95	18.93	19.5	0
5	16QAM	1	12	19.04	18.89	18.96		
5	16QAM	1	24	18.99	18.86	18.9		
5	16QAM	12	0	18.77	18.72	18.68	19.5	0
5	16QAM	12	7	18.75	18.67	18.71		
5	16QAM	12	13	18.76	18.65	18.66		
5	16QAM	25	0	18.73	18.66	18.69		
5	64QAM	1	0	18.95	18.81	18.87	19.5	0
5	64QAM	1	12	18.89	18.75	18.79		
5	64QAM	1	24	18.92	18.72	18.78		
5	64QAM	12	0	18.76	18.68	18.65	19.5	0
5	64QAM	12	7	18.71	18.64	18.69		
5	64QAM	12	13	18.69	18.65	18.63		
5	64QAM	25	0	18.73	18.66	18.61		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.61	18.49	18.49	19.5	0
3	QPSK	1	8	18.57	18.46	18.47		
3	QPSK	1	14	18.55	18.42	18.47		
3	QPSK	8	0	18.65	18.49	18.54	19.5	0
3	QPSK	8	4	18.65	18.51	18.55		
3	QPSK	8	7	18.59	18.46	18.51		
3	QPSK	15	0	18.62	18.49	18.52		
3	16QAM	1	0	18.88	18.81	18.86	19.5	0
3	16QAM	1	8	18.93	18.79	18.82		
3	16QAM	1	14	18.85	18.73	18.81		
3	16QAM	8	0	18.72	18.6	18.66	19.5	0
3	16QAM	8	4	18.72	18.63	18.66		
3	16QAM	8	7	18.72	18.61	18.64		
3	16QAM	15	0	18.68	18.56	18.61		
3	64QAM	1	0	18.81	18.66	18.72	19.5	0
3	64QAM	1	8	18.75	18.68	18.75		
3	64QAM	1	14	18.79	18.66	18.72		
3	64QAM	8	0	18.66	18.57	18.59	19.5	0
3	64QAM	8	4	18.7	18.59	18.64		
3	64QAM	8	7	18.68	18.57	18.58		
3	64QAM	15	0	18.65	18.53	18.57		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.44	18.3	18.36	19.5	0
1.4	QPSK	1	3	18.51	18.38	18.43		
1.4	QPSK	1	5	18.43	18.29	18.36		
1.4	QPSK	3	0	18.51	18.35	18.42		
1.4	QPSK	3	1	18.55	18.39	18.42		
1.4	QPSK	3	3	18.51	18.36	18.42		
1.4	QPSK	6	0	18.5	18.33	18.4	19.5	0
1.4	16QAM	1	0	18.74	18.62	18.69	19.5	0
1.4	16QAM	1	3	18.83	18.71	18.77		
1.4	16QAM	1	5	18.77	18.61	18.68		
1.4	16QAM	3	0	18.54	18.45	18.52		
1.4	16QAM	3	1	18.54	18.44	18.52		
1.4	16QAM	3	3	18.51	18.39	18.49		
1.4	16QAM	6	0	18.59	18.49	18.5	19.5	0
1.4	64QAM	1	0	18.64	18.48	18.6	19.5	0
1.4	64QAM	1	3	18.7	18.58	18.7		
1.4	64QAM	1	5	18.62	18.53	18.59		
1.4	64QAM	3	0	18.58	18.45	18.53		
1.4	64QAM	3	1	18.58	18.46	18.58		
1.4	64QAM	3	3	18.57	18.45	18.56		
1.4	64QAM	6	0	18.53	18.38	18.46	19.5	0

Full Power

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.58	24.00
40185	39987	QPSK	1	0	0	0	1	0	22.97	24.00
40620	40422	QPSK	1	0	0	0	1	0	23.03	24.00
41055	40857	QPSK	1	0	0	0	1	0	23.05	24.00
41490	41292	QPSK	1	0	0	0	1	0	23.15	24.00

Reduced Power Mode for Hotspot On

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.34	22.50
40185	39987	QPSK	1	0	0	0	1	0	22.08	22.50
40620	40422	QPSK	1	0	0	0	1	0	22.24	22.50
41055	40857	QPSK	1	0	0	0	1	0	22.38	22.50
41490	41292	QPSK	1	0	0	0	1	0	22.39	22.50

Reduced Power Mode for Sensor On

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	100	0	0	0	1	0	22.38	22.50
40185	39987	QPSK	100	0	0	0	1	0	22.12	22.50
40620	40422	QPSK	100	0	0	0	1	0	22.22	22.50
41055	40857	QPSK	100	0	0	0	1	0	22.41	22.50
41490	41292	QPSK	100	0	0	0	1	0	22.46	22.50

Reduced Power Mode for Handheld On

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.85	24.00
40185	39987	QPSK	1	0	0	0	1	0	22.27	24.00
40620	40422	QPSK	1	0	0	0	1	0	22.78	24.00
41055	40857	QPSK	1	0	0	0	1	0	22.86	24.00
41490	41292	QPSK	1	0	0	0	1	0	22.93	24.00

Full Power

CA_B5									
Combination 10MHz+5MHz (50RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	0	0	0	1	0	23.37	24.00
20525	20597	QPSK	1	0	0	0	1	0	23.39	24.00
20600	20528	QPSK	1	0	0	0	1	0	23.02	24.00

Configure		CA List	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band		CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	2132.5	2175	23.47	23.30
			Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.25	23.08
		CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	0	Band 5	10M	881.5	2525	23.40	23.30
			Band 5	10M	829	20450	QPSK	1	0	Band 2	20M	1960	900	23.41	23.38
		CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	2655	3100	23.47	23.30
			Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	1960	900	23.27	23.07
		CA_2A-12A	Band 2	20M	1860	18700	QPSK	1	0	Band 12	10M	737.5	5095	23.51	23.30
			Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	23.27	23.09
		CA_2A-13A	Band 2	20M	1860	18700	QPSK	1	0	Band 13	10M	751	5230	23.53	23.30
			Band 13	10M	782	23230	QPSK	1	0	Band 2	20M	1960	900	22.75	22.68
		CA_2A-14A	Band 2	20M	1860	18700	QPSK	1	0	Band 14	10M	763	5330	23.40	23.30
			Band 14	10M	793	23330	QPSK	1	0	Band 2	20M	1960	900	23.03	23.11
		CA_2A-29A	Band 2	20M	1860	18700	QPSK	1	0	Band 29	10M	722.5	9715	23.52	23.30
		CA_2A-30A	Band 2	20M	1860	18700	QPSK	1	0	Band 30	10M	2355	9820	23.51	23.30
			Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	23.42	23.31
		CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	0	Band 66	20M	2155	66886	23.40	23.30
			Band 66	20M	1720	132072	QPSK	1	0	Band 2	20M	1960	900	23.25	23.09
		CA_2A_71A	Band 2	20M	1860	18700	QPSK	1	0	Band 71	20M	637	68786	23.50	23.30
			Band 71	20M	673	133222	QPSK	1	0	Band 2	20M	1960	900	23.25	23.12
		CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.15	23.08
			Band 5	10M	829	20450	QPSK	1	0	Band 4	20M	2132.5	2175	23.55	23.38
		CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.28	23.08
			Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	2132.5	2175	23.21	23.07
		CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.15	23.08
			Band 12	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	23.25	23.09
		CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	23.16	23.08
			Band 13	10M	782	23230	QPSK	1	0	Band 4	20M	2132.5	2175	22.86	22.68
		CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	23.16	23.08
		CA_4A-30A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 30	10M	2355	9820	23.18	23.08
		CA_4A-66A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 66	20M	2155	66886	23.16	23.08
			Band 66	20M	1720	132072	QPSK	1	0	Band 4	20M	2132.5	2175	23.28	23.09
		CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 71	20M	637	68786	23.19	23.08
			Band 71	20M	673	133222	QPSK	1	0	Band 4	20M	2132.5	2175	23.23	23.12
		CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	23.45	23.38
			Band 7	20M	2560	21350	QPSK	1	0	Band 5	10M	881.5	2525	23.25	23.07
		CA_5A-30A	Band 5	10M	829	20450	QPSK	1	0	Band 30	10M	2355	9820	23.50	23.38
			Band 30	10M	2310	27710	QPSK	1	0	Band 5	10M	881.5	2525	23.51	23.31
		CA_5A-41A	Band 5	10M	829	20450	QPSK	1	0	Band 41	20M	2593	40620	23.55	23.38
			Band 41	20M	2636.5	41055	QPSK	1	0	Band 5	10M	881.5	2525	22.99	22.89
		CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	2155	66886	23.54	23.38
			Band 66	20M	1720	132072	QPSK	1	0	Band 5	10M	881.5	2525	23.29	23.09
		CA_7A-12A	Band 7	20M	2560	21350	QPSK	1	0	Band 12	10M	737.5	5095	23.15	23.07
			Band 12	10M	707.5	23095	QPSK	1	0	Band 7	20M	2655	3100	23.22	23.09
		CA_7A-66A	Band 7	20M	2560	21350	QPSK	1	0	Band 66	20M	2155	66886	23.15	23.07
			Band 66	20M	1720	132072	QPSK	1	0	Band 7	20M	2655	3100	22.89	23.09
		CA_12A-30A	Band 12	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	23.31	23.09
			Band 30	10M	2310	27710	QPSK	1	0	Band 12	10M	737.5	5095	23.45	23.31
		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	23.30	23.09
			Band 66	20M	1720	132072	QPSK	1	0	Band 12	10M	737.5	5095	23.15	23.09
		CA_13A-66A	Band 13	10M	782	23230	QPSK	1	0	Band 66	20M	2155	66886	22.85	22.68
			Band 66	20M	1720	132072	QPSK	1	0	Band 13	10M	751	5230	23.29	23.09
		CA_14A-30A	Band 14	10M	793	23330	QPSK	1	0	Band 30	10M	2355	9820	23.06	23.11
			Band 30	10M	2310	27710	QPSK	1	0	Band 14	10M	763	5330	23.54	23.31
		CA_14A-66A	Band 14	10M	793	23330	QPSK	1	0	Band 66	20M	2155	66886	23.05	23.11
			Band 66	20M	1720	132072	QPSK	1	0	Band 14	10M	763	5330	23.26	23.09
		CA_25A-26A	Band 25	20M	1860	26140	QPSK	1	0	Band 26	15M	876.5	8865	23.36	23.18
			Band 26	15M	821.5	26765	QPSK	1	0	Band 25	20M	1962.5	8365	23.25	23.09
		CA_25A-41A	Band 25	20M	1860	26140	QPSK	1	0	Band 41	20M	2593	40620	23.05	23.18
			Band 41	20M	2636.5	41055	QPSK	1	0	Band 25	20M	1962.5	8365	23.10	22.89
		CA_26A-41A	Band 26	15M	821.5	26765	QPSK	1	0	Band 41	20M	2593	40620	23.25	23.09
			Band 41	20M	2636.5	41055	QPSK	1	0	Band 26	15M	876.5	8865	23.05	22.89
		CA_29A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 29	10M	722.5	9715	23.51	23.31
		CA_29A-66A	Band 66	20M	1720	132072	QPSK	1	0	Band 29	10M	722.5	9715	23.25	23.09
		CA_30A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	23.45	23.31
			Band 66	20M	1720	132072	QPSK	1	0	Band 30	10M	2355	9820	22.98	23.09
Intra-Band	Contiguous	CA_2C	Band 2	20M	1860	18700	QPSK	1	0	Band 2	20M	1959.8	898	23.42	23.30
		CA_5B	Band 5	10M	829	20450	QPSK	1	0	Band 5	10M	883.9	2549	23.55	23.38
		CA_7B	Band 7	15M	2562.5	21375	QPSK	1	0	Band 7	5M	2678.2	3332	23.24	23.06
		CA_7C	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	2660.2	3152	23.15	23.07
		CA_12B	Band 12	5M	707.5	23095	QPSK	1	0	Band 12	10M	744.7	5167	23.11	22.98
		CA_41C	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	23.10	22.89
		CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	2121.8	66554	23.16	22.96
		CA_66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	2139.8	66734	23.30	23.09
	Non-Contiguous	CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	1987.5	1175	23.49	23.30
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.13	23.08
		CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	891.5	2625	23.45	23.38
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	2622.5	2775	23.29	23.07
		CA_25A-25A	Band 25	20M	1860	26140	QPSK	1	0	Band 25	5M	1992.5	8665	23.31	23.18
		CA_41A-41A	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	2498.5	39675	23.00	22.89
		CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	2197.5	67311	23.23	23.09
Inter-Band		CA_66A-71A	Band 66	20M	1720	132072	QPSK	1	0	Band 71	20M	637	68786	23.26	23.09
			Band 71	20M	673	133222	QPSK	1	0	Band 66	20M	2139.8	66734	23.12	23.12

2.4GHz WLAN	Full Power					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.78	22.50	100
		6	2437	20.84	22.50	
		11	2462	20.92	22.50	
	802.11g 6Mbps	1	2412	20.07	21.50	98.26
		6	2437	20.20	21.50	
		11	2462	20.17	21.50	
	802.11n-HT20 MCS0	1	2412	19.32	20.50	98.14
		6	2437	19.42	20.50	
		11	2462	19.52	20.50	

2.4GHz WLAN	Receiver On					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.53	17.00	100
		6	2437	16.41	17.00	
		11	2462	16.35	17.00	
	802.11g 6Mbps	1	2412	Not Required	17.00	98.26
		6	2437		17.00	
		11	2462		17.00	
	802.11n-HT20 MCS0	1	2412		17.00	98.14
		6	2437		17.00	
		11	2462		17.00	

5GHz WLAN	Full Power					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.54	19.00	98.26
		40	5200	17.40	19.00	
		44	5220	17.20	19.00	
		48	5240	17.03	19.00	
	802.11n-HT20 MCS0	36	5180	17.77	19.00	98.14
		40	5200	17.68	19.00	
		44	5220	17.47	19.00	
		48	5240	17.27	19.00	
	802.11n-HT40 MCS0	38	5190	17.31	19.00	96.3
		46	5230	17.29	19.00	
	802.11ac-VHT20 MCS0	36	5180	17.73	19.00	98.15
		40	5200	17.74	19.00	
		44	5220	17.57	19.00	
		48	5240	17.43	19.00	
	802.11ac-VHT40 MCS0	38	5190	17.59	19.00	96.3
		46	5230	17.48	19.00	
	802.11ac-VHT80 MCS0	42	5210	14.28	16.00	92.71

5GHz WLAN	Receiver On					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	15.50	98.26
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS0	36	5180		15.50	98.14
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS0	38	5190		15.50	96.3
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		15.50	98.15
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11ac-VHT40 MCS0	38	5190		15.50	96.3
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	92.71

5GHz WLAN	Full Power					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	17.27	19.00	98.26
		56	5280	17.34	19.00	
		60	5300	17.59	19.00	
		64	5320	17.71	19.00	
	802.11n-HT20 MCS0	52	5260	17.16	19.00	98.14
		56	5280	17.14	19.00	
		60	5300	17.44	19.00	
		64	5320	17.57	19.00	
	802.11n-HT40 MCS0	54	5270	17.78	19.00	96.3
		62	5310	17.98	19.00	
	802.11ac-VHT20 MCS0	52	5260	17.17	19.00	98.15
		56	5280	17.06	19.00	
		60	5300	17.49	19.00	
		64	5320	17.40	19.00	
	802.11ac-VHT40 MCS0	54	5270	17.59	19.00	96.3
		62	5310	17.61	19.00	
	802.11ac-VHT80 MCS0	58	5290	14.85	16.00	92.71

5GHz WLAN	Receiver On					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	15.50	98.26
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS0	52	5260		15.50	98.14
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270	15.31	15.50	96.3
		62	5310	15.36	15.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	15.50	98.15
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11ac-VHT40 MCS0	54	5270		15.50	96.3
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.00	92.71

5GHz WLAN	Full Power					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	17.33	19.00	98.26
		116	5580	16.71	18.00	
		132	5660	17.73	19.00	
		140	5700	18.00	19.00	
	802.11n-HT20 MCS0	100	5500	17.58	19.00	98.14
		116	5580	17.19	19.00	
		132	5660	18.10	19.00	
		140	5700	18.14	19.00	
	802.11n-HT40 MCS0	102	5510	17.57	19.00	96.3
		110	5550	17.56	19.00	
		134	5670	18.46	19.00	
	802.11ac-VHT20 MCS0	100	5500	17.68	19.00	98.15
		116	5580	17.23	19.00	
		132	5660	18.00	19.00	
		140	5700	18.07	19.00	
	802.11ac-VHT40 MCS0	102	5510	18.10	19.00	96.3
		110	5550	16.97	18.00	
		134	5670	18.71	19.00	
	802.11ac-VHT80 MCS0	106	5530	14.65	16.00	92.71

5GHz WLAN	Receiver On					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	17.00	98.26
		116	5580		17.00	
		132	5660		17.00	
		140	5700		17.00	
	802.11n-HT20 MCS0	100	5500		17.00	98.14
		116	5580		17.00	
		132	5660		17.00	
		140	5700		17.00	
	802.11n-HT40 MCS0	102	5510	16.15	17.00	96.3
		110	5550	16.19	17.00	
		134	5670	16.51	17.00	
	802.11ac-VHT20 MCS0	100	5500	Not Required	17.00	98.15
		116	5580		17.00	
		132	5660		17.00	
		140	5700		17.00	
	802.11ac-VHT40 MCS0	102	5510		17.00	96.3
		110	5550		17.00	
		134	5670		17.00	
	802.11ac-VHT80 MCS0	106	5530		16.00	92.71

5GHz WLAN	Full Power					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.17	19.00	98.26
		157	5785	18.21	19.00	
		165	5825	18.25	19.00	
	802.11n-HT20 MCS0	149	5745	17.16	19.00	98.14
		157	5785	17.17	19.00	
		165	5825	17.07	19.00	
	802.11n-HT40 MCS0	151	5755	17.72	18.50	96.3
		159	5795	17.85	18.50	
	802.11ac-VHT20 MCS0	149	5745	17.06	19.00	98.15
		157	5785	17.26	19.00	
		165	5825	17.01	19.00	
	802.11ac-VHT40 MCS0	151	5755	17.22	18.50	96.3
		159	5795	17.18	18.50	
	802.11ac-VHT80 MCS0	155	5775	17.26	18.50	92.71

5GHz WLAN	Receiver On					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	17.70	18.00	98.26
		157	5785	17.75	18.00	
		165	5825	17.77	18.00	
	802.11n-HT20 MCS0	149	5745	Not Required	18.00	98.14
		157	5785		18.00	
		165	5825		18.00	
	802.11n-HT40 MCS0	151	5755		17.50	96.3
		159	5795		17.50	
	802.11ac-VHT20 MCS0	149	5745		18.00	98.15
		157	5785		18.00	
		165	5825		18.00	
	802.11ac-VHT40 MCS0	151	5755		17.50	96.3
		159	5795		17.50	
	802.11ac-VHT80 MCS0	155	5775		17.50	92.71

2.4GHz WLAN	Sensor On/Hotspot On					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.66	20	100
		6	2437	19.39	20	
		11	2462	19.44	20	
	802.11g 6Mbps	1	2412	Not Required	20	98.26
		6	2437		20	
		11	2462		20	
	802.11n-HT20 MCS0	1	2412		20	98.14
		6	2437		20	
		11	2462		20	

2.4GHz WLAN	Simultaneous-handheld					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.78	22.5	100
		6	2437	20.84	22.5	
		11	2462	20.92	22.5	
	802.11g 6Mbps	1	2412	20.07	21.5	98.26
		6	2437	20.20	21.5	
		11	2462	20.17	21.5	
	802.11n-HT20 MCS0	1	2412	19.32	20.5	98.14
		6	2437	19.42	20.5	
		11	2462	19.52	20.5	

5GHz WLAN	Sensor On/Hotspot On					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	14.50	98.26
		40	5200		14.50	
		44	5220		14.50	
		48	5240		14.50	
	802.11n-HT20 MCS0	36	5180		14.50	98.14
		40	5200		14.50	
		44	5220		14.50	
		48	5240		14.50	
	802.11n-HT40 MCS0	38	5190	14.36	14.50	96.3
		46	5230	14.09	14.50	
	802.11ac-VHT20 MCS0	36	5180	Not Required	14.50	98.15
		40	5200		14.50	
		44	5220		14.50	
		48	5240		14.50	
	802.11ac-VHT40 MCS0	38	5190		14.50	96.3
		46	5230		14.50	
	802.11ac-VHT80 MCS0	42	5210		14.00	92.71

5GHz WLAN	Simultaneous-handheld					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.54	18.50	98.26
		40	5200	17.40	18.50	
		44	5220	17.20	18.50	
		48	5240	17.03	18.50	
	802.11n-HT20 MCS0	36	5180	17.77	18.50	98.14
		40	5200	17.68	18.50	
		44	5220	17.47	18.50	
		48	5240	17.27	18.50	
	802.11n-HT40 MCS0	38	5190	17.31	18.50	96.3
		46	5230	17.29	18.50	
	802.11ac-VHT20 MCS0	36	5180	17.73	18.50	98.15
		40	5200	17.74	18.50	
		44	5220	17.57	18.50	
		48	5240	17.43	18.50	
	802.11ac-VHT40 MCS0	38	5190	17.59	18.50	96.3
		46	5230	17.48	18.50	
	802.11ac-VHT80 MCS0	42	5210	14.28	16.00	92.71

5GHz WLAN	Sensor On					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	14.50	98.26
		56	5280		14.50	
		60	5300		14.50	
		64	5320		14.50	
	802.11n-HT20 MCS0	52	5260		14.50	98.14
		56	5280		14.50	
		60	5300		14.50	
		64	5320		14.50	
	802.11n-HT40 MCS0	54	5270	13.48	14.50	96.3
		62	5310	13.49	14.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	14.50	98.15
		56	5280		14.50	
		60	5300		14.50	
		64	5320		14.50	
	802.11ac-VHT40 MCS0	54	5270		14.50	96.3
		62	5310		14.50	
	802.11ac-VHT80 MCS0	58	5290		14.00	92.71

5GHz WLAN	Simultaneous-handheld					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	17.27	18.00	98.26
		56	5280	17.34	18.00	
		60	5300	17.59	18.00	
		64	5320	17.71	18.00	
	802.11n-HT20 MCS0	52	5260	17.16	18.00	98.14
		56	5280	17.14	18.00	
		60	5300	17.44	18.00	
		64	5320	17.57	18.00	
	802.11n-HT40 MCS0	54	5270	17.78	18.00	96.3
		62	5310	17.98	18.00	
	802.11ac-VHT20 MCS0	52	5260	17.17	18.00	98.15
		56	5280	17.06	18.00	
		60	5300	17.49	18.00	
		64	5320	17.40	18.00	
	802.11ac-VHT40 MCS0	54	5270	17.59	18.00	96.3
		62	5310	17.61	18.00	
	802.11ac-VHT80 MCS0	58	5290	14.85	16	92.71

5GHz WLAN	Sensor On					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	15.00	98.26
		116	5580		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT20 MCS0	100	5500		15.00	98.14
		116	5580		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT40 MCS0	102	5510	14.46	15.00	96.3
		110	5550	14.63	15.00	
		134	5670	14.69	15.00	
	802.11ac-VHT20 MCS0	100	5500	Not Required	15.00	98.15
		116	5580		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11ac-VHT40 MCS0	102	5510		15.00	96.3
		110	5550		15.00	
		134	5670		15.00	
	802.11ac-VHT80 MCS0	106	5530		14.5	92.71

5GHz WLAN	Simultaneous-handheld					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	18.50	98.26
		116	5580		18.50	
		132	5660		18.50	
		140	5700		18.50	
	802.11n-HT20 MCS0	100	5500		18.50	98.14
		116	5580		18.50	
		132	5660		18.50	
		140	5700		18.50	
	802.11n-HT40 MCS0	102	5510	17.57	18.50	96.3
		110	5550	17.56	18.50	
		134	5670	18.46	18.50	
	802.11ac-VHT20 MCS0	100	5500	Not Required	18.50	98.15
		116	5580		18.50	
		132	5660		18.50	
		140	5700		18.50	
	802.11ac-VHT40 MCS0	102	5510		18.50	96.3
		110	5550		18.50	
		134	5670		18.50	
	802.11ac-VHT80 MCS0	106	5530		16	92.71

5GHz WLAN	Sensor On/Hotspot On					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.38	14.50	98.26
		157	5785	14.26	14.50	
		165	5825	14.45	14.50	
	802.11n-HT20 MCS0	149	5745	Not Required	14.50	98.14
		157	5785		14.50	
		165	5825		14.50	
	802.11n-HT40 MCS0	151	5755		14.00	96.3
		159	5795		14.00	
	802.11ac-VHT20 MCS0	149	5745		14.50	98.15
		157	5785		14.50	
		165	5825		14.50	
	802.11ac-VHT40 MCS0	151	5755		14.00	96.3
		159	5795		14.00	
	802.11ac-VHT80 MCS0	155	5775		14.00	92.71

5GHz WLAN	Simultaneous-handheld					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.17	18.50	98.26
		157	5785	18.21	18.50	
		165	5825	18.25	18.50	
	802.11n-HT20 MCS0	149	5745	17.16	18.50	98.14
		157	5785	17.17	18.50	
		165	5825	17.07	18.50	
	802.11n-HT40 MCS0	151	5755	17.72	18.00	96.3
		159	5795	17.85	18.00	
	802.11ac-VHT20 MCS0	149	5745	17.06	18.50	98.15
		157	5785	17.26	18.50	
		165	5825	17.01	18.50	
	802.11ac-VHT40 MCS0	151	5755	17.22	18.00	96.3
		159	5795	17.18	18.00	
	802.11ac-VHT80 MCS0	155	5775	17.26	18.00	92.71

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.67	5.26	5.31
	CH 39	2441	7.20	4.39	4.26
	CH 78	2480	7.64	5.18	5.49
Tune-up Limit			9	6	6

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	7.51
	CH 19	2440	7.13
	CH 39	2480	7.58
Tune-up Limit			9

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	7.59
	CH 19	2440	7.11
	CH 39	2480	7.66
Tune-up Limit			9

Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	0	15	30	45	60	75	90	105	120	135
GSM850	GPRS 3 Tx slots	189	836.4	-	-	Right Cheek	0mm	0.424	0.511	0.033	0.439	0.359	0.011	0.353	0.117	0.014	0.471	0.040	0.007

	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	1	16	31	46	61	76	91	106	121	136
GSM1900	GPRS 3 Tx slots	661	1880	-	-	Left Cheek	0mm	0.077	0.109	0.017	0.066	0.083	0.046	0.070	0.036	0.037	0.077	0.027	0.021

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	2	17	32	47	62	77	92	107	122	137
WCDMA V	RMC 12.2Kbps	4233	846.6	-	-	Right Cheek	0mm	0.385	0.465	0.067	0.334	0.330	0.107	0.349	0.292	0.060	0.457	0.224	0.068

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	3	18	33	48	63	78	93	108	123	138
WCDMA II	RMC 12.2Kbps	9262	1852.4	-	-	Right Cheek	0mm	0.141	0.207	0.070	0.067	0.176	0.063	0.049	0.122	0.132	0.030	0.034	0.026

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	4	19	34	49	64	79	94	109	124	139
WCDMA IV	RMC 12.2Kbps	1312	1712.4	-	-	Right Cheek	0mm	0.172	0.233	0.240	0.230	0.085	0.039	0.042	0.209	0.169	0.040	0.022	0.020

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	5	20	35	50	65	80	95	110	125	140
CDMA2000 BC10	RC3 SO55	684	823.1	-	-	Right Cheek	0mm	0.391	0.478	0.226	0.080	0.557	0.300	0.154	0.390	0.320	0.019	0.453	0.200

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	6	21	36	51	66	81	96	111	126	141
CDMA2000 BC0	RC3 SO55	384	836.52	-	-	Right Cheek	0mm	0.396	0.492	0.225	0.148	0.014	0.442	0.190	0.045	0.392	0.062	0.009	0.308

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	7	22	37	52	67	82	97	112	127	142
CDMA2000 BC1	RC3 SO55	1175	1908.75	-	-	Right Cheek	0mm	0.122	0.182	0.037	0.040	0.116	0.144	0.095	0.142	0.067	0.155	0.065	0.048

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	8	23	38	53	68	83	98	113	128	143
LTE Band 71	20M/QPSK	133322	683	1	0	Left Cheek	0mm	0.183	0.209	0.100	0.089	0.042	0.009	0.039	0.118	0.024	0.014	0.094	0.005

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	9	24	39	54	69	84	99	114	129	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Right Cheek	0mm	0.264	0.303	0.074	0.181	0.049	0.157	0.042	0.182	0.015	0.030	0.051	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	10	25	40	55	70	85	100	115	130	
LTE Band 13	10M/QPSK	23230	782	1	0	Right Cheek	0mm	0.247	0.288	0.241	0.271	0.100	0.032	0.119	0.212	0.266	0.100	0.061	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	11	26	41	56	71	86	101	116	131	
LTE Band 14	10M/QPSK	23330	793	1	0	Left Cheek	0mm	0.231	0.269	0.156	0.205	0.097	0.026	0.098	0.169	0.168	0.182	0.056	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	1	1	1	1	1	1	1	1	1	
LTE Band 26	15M/QPSK	26865	831.5	1	0	Right Cheek	0mm	0.206	0.226	0.179	0.074	0.211	0.097	0.188	0.215	0.193	0.013	0.124	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	13	28	43	58	73	88	103	118	133	
LTE Band 66	20M/QPSK	132572	1770	1	0	Right Cheek	0mm	0.191	0.257	0.204	0.184	0.184	0.148	0.172	0.132	0.095	0.044	0.075	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	14	29	44	59	74	89	104	119	134	
LTE Band 25	20M/QPSK	26590	1905	1	0	Right Cheek	0mm	0.124	0.182	0.142	0.175	0.140	0.154	0.082	0.188	0.188	0.083	0.181	

Body

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	0	15	30	45	60	75	90	105	120	135
GSM850	GPRS 3 Tx slots	189	836.4	-	-	Back	5mm	1.02	1.330	0.109	1.153	0.991	0.725	1.125	0.376	0.042	1.316	0.117	0.871

	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	1	16	31	46	61	76	91	106	121	136
GSM1900	GPRS 3 Tx slots	810	1909.8	-	-	Bottom Side	5mm	1.2	1.600	0.524	1.568	1.588	1.101	1.530	0.927	1.027	1.586	0.646	0.498

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	2	17	32	47	62	77	92	107	122	137
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Back	5mm	1.25	2.270	0.308	1.617	1.506	0.527	1.624	1.293	0.290	1.994	1.048	0.320

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	3	18	33	48	63	78	93	108	123	138
WCDMA II	RMC 12.2Kbps	9538	1907.6	-	-	Bottom Side	5mm	1.18	1.600	0.757	0.718	1.550	0.833	0.742	1.247	1.325	0.523	0.463	0.381

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	4	19	34	49	64	79	94	109	124	139
WCDMA IV	RMC 12.2Kbps	1513	1752.6	-	-	Bottom Side	5mm	0.893	1.190	0.995	0.986	0.541	0.244	0.251	1.073	0.968	0.249	0.143	0.125

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	5	20	35	50	65	80	95	110	125	140
CDMA2000 BC10	RC3 SO32 (F+SCH)	684	823.10	-	-	Back	5mm	1.21	1.540	0.685	0.212	1.302	0.901	0.389	0.981	0.882	0.061	1.316	0.710

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	6	21	36	51	66	81	96	111	126	141
CDMA2000 BC0	RTAP 153.6Kbps	384	836.52	-	-	Back	5mm	1.22	1.600	0.832	0.559	0.060	1.811	0.741	0.153	1.366	0.277	0.040	1.374

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	7	22	37	52	67	82	97	112	127	142
CDMA2000 BC1	RTAP 153.6Kbps	25	1851.25	-	-	Bottom Side	5mm	1.04	1.400	0.491	0.521	1.085	1.213	0.911	1.396	0.805	1.195	0.708	0.544

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	8	23	38	53	68	83	98	113	128	143
LTE Band 71	20M/QPSK	133322	683	1	0	Back	5mm	0.645	1.130	0.607	0.526	0.092	0.748	0.587	0.452	0.962	0.284	0.072	0.399

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	9	24	39	54	69	84	99	114	129	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Back	5mm	0.759	1.300	0.188	0.476	0.175	0.042	0.443	0.428	0.232	0.299	0.111	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	10	25	40	55	70	85	100	115	130	
LTE Band 13	10M/QPSK	23230	782	1	0	Back	5mm	0.881	1.460	0.513	0.881	0.571	0.129	0.841	0.840	0.571	0.591	0.304	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	11	26	41	56	71	86	101	116	131	
LTE Band 14	10M/QPSK	23330	793	1	0	Back	5mm	0.81	1.330	0.756	1.105	0.357	0.180	0.873	1.087	0.918	1.307	0.454	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	12	27	42	57	72	87	102	117	132	
LTE Band 26	15M/QPSK	26865	831.5	1	0	Back	5mm	1.19	2.100	0.943	0.603	1.063	0.463	0.119	1.336	1.119	0.096	0.648	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	13	28	43	58	73	88	103	118	133	
LTE Band 66	20M/QPSK	132572	1770	50	0	Back	5mm	1.12	1.410	0.864	0.736	0.760	0.588	1.001	0.535	0.398	0.202	0.305	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	14	29	44	59	74	89	104	119	134	
LTE Band 25	20M/QPSK	26590	1905	50	0	Back	5mm	0.948	1.200	0.801	0.946	0.769	0.825	0.460	0.963	0.889	0.373	0.836	

Body with SAR higher than1.2W/Kg

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.109	0.178	0.266	0.630	0.786	0.809	0.801	0.771	0.572	0.180	0.398	0.737	0.871	1.093	1.135	1.153	1.124	0.909	0.133	0.211	0.308
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.713	0.893	0.923	0.920	0.904	0.688	0.661	0.480	0.841	0.991	1.210	1.259	1.274	1.256	1.028	0.020	0.031	0.047	0.183	0.459	0.684
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.146	1.301	0.754	0.725	0.072	0.170	0.248	0.520	0.702	1.057	1.197	0.996	0.023	0.036	0.054	0.207	0.492	0.707	1.125	1.294	0.871
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
GSM850	GPRS 3 Tx slots	189	836.4	-	-	Back	5mm	1.02	1.33	0.836	0.086	0.197	0.282	0.555	0.722	0.995	1.096	1.000	0.037	0.059	0.090	0.376	0.822	1.030	1.206	1.204	0.693	0.665	0.136	0.332
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.490	0.927	1.123	1.246	1.299	1.014	0.042	0.068	0.104	0.412	0.870	1.077	1.268	1.270	0.815	0.784	0.163	0.380	0.535	0.963	1.139
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.316	1.325	1.077	0.011	0.016	0.023	0.085	0.202	0.310	0.613	0.844	0.818	0.015	0.034	0.080	0.117	0.247	0.344	0.571	0.706	0.903
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.012	0.018	0.026	0.096	0.220	0.321	0.600	0.798	0.876	0.871	0.040	0.092	0.174	0.272	0.365	0.557	0.669	0.830			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.494	0.524	0.542	0.572	0.591	0.590	0.593	0.602	0.608	1.411	1.479	1.516	1.519	1.556	1.560	1.566	1.568	1.585	0.580	0.586	0.598
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.640	0.657	0.650	0.660	0.668	0.671	1.541	1.590	1.595	1.585	1.588	1.587	1.589	1.593	1.597	1.225	1.369	1.460	1.522	1.520	1.524
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.498	1.474	1.429	1.003	1.101	1.147	1.162	1.191	1.191	1.192	1.212	1.208	1.198	1.373	1.474	1.553	1.556	1.546	1.548	1.530	1.490
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
GSM1900	GPRS 3 Tx slots	810	1909.8	-	-	Bottom Side	5mm	1.2	1.6	0.895	0.889	0.880	0.884	0.883	0.873	0.877	0.878	0.875	0.908	0.925	0.950	0.944	0.927	0.929	0.904	0.921	0.910	1.557	1.579	1.589
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.585	1.561	1.561	1.566	1.570	1.566	1.008	1.027	1.035	1.028	1.017	1.008	1.015	1.005	1.582	1.583	1.591	1.583	1.599	1.594	1.580
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.590	1.586	1.584	0.582	0.757	0.908	1.258	1.405	1.420	1.505	1.540	1.592	0.514	0.577	0.620	0.623	0.646	0.656	0.668	0.672	0.687
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.566	0.722	0.837	1.135	1.280	1.291	1.367	1.399	1.448	0.484	0.498	0.502	0.501	0.501	0.498	0.499	0.499	0.504			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.164	0.223	0.308	0.639	0.868	0.954	1.085	1.134	1.119	0.263	0.479	0.786	0.933	1.235	1.350	1.497	1.575	1.617	0.186	0.263	0.346
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.705	0.943	1.039	1.189	1.252	1.292	0.315	0.558	0.900	1.060	1.383	1.506	1.694	1.777	1.813	0.066	0.106	0.157	0.543	1.092	1.392
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.835	1.951	1.442	0.105	0.237	0.527	0.729	1.301	1.582	1.994	2.147	2.138	0.079	0.123	0.183	0.607	1.172	1.469	1.915	2.046	1.624
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Back	5mm	1.25	2.27	0.127	0.281	0.605	0.821	1.386	1.650	2.016	2.140	1.986	0.113	0.174	0.252	0.735	1.140	1.293	1.497	1.557	1.328	0.171	0.374	0.766
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.997	1.432	1.690	1.951	2.005	1.820	0.129	0.201	0.290	0.836	1.270	1.454	1.687	1.762	1.558	0.205	0.443	0.756	1.131	1.660	1.851
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										2.072	2.146	1.994	0.039	0.058	0.085	0.299	0.401	0.889	1.514	1.822	1.621	0.053	0.122	0.283	0.404	0.797	1.048	1.530	1.772	1.907
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.042	0.065	0.096	0.335	0.711	0.974	1.529	1.820	1.767	0.061	0.143	0.320	0.459	0.865	1.106	1.533	1.735	1.890			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.626	0.664	0.691	0.757	0.775	0.777	0.793	0.795	0.810	1.545	1.591	1.511	1.513	1.530	1.533	1.532	1.536	1.540	0.718	0.761	0.788
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.850	0.878	0.881	0.897	0.900	0.916	1.544	1.507	1.578	1.560	1.558	1.551	1.550	1.536	1.525	1.086	1.245	1.350	1.543	1.585	1.600
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	0.9187	57	58	59	60	61	62
										1.538	1.545	1.561	0.844	0.846	0.835	0.833	0.831	0.827	0.823	0.823	0.818	1.046	1.182	1.273	1.443	1.509	1.512	1.542	1.558	1.573
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
WCDMA II	RMC 12.2Kbps	9538	1907.6	-	-	Bottom Side	5mm	1.18	1.6	0.742	0.681	0.645	0.632	0.612	0.610	0.598	0.594	0.583	1.096	1.145	1.159	1.226	1.242	1.238	1.247	1.251	1.248	1.529	1.530	1.519
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.522	1.511	1.515	1.511	1.508	1.502	1.183	1.237	1.269	1.325	1.344	1.346	1.355	1.355	1.360	1.346	1.301	1.279	1.214	1.189	1.188
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.174	1.169	1.153	0.523	0.631	0.718	0.934	1.030	1.058	1.123	1.149	1.219	0.473	0.472	0.469	0.467	0.464	0.463	0.463	0.462	0.464
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.511	0.596	0.666	0.825	0.907	0.919	0.962	0.987	1.037	0.455	0.414	0.388	0.381	0.367	0.366	0.358	0.356	0.349			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.853	0.891	0.915	0.971	0.995	0.994	1.004	1.012	1.025	0.884	0.872	0.826	0.814	0.792	0.787	0.777	0.773	0.760	0.959	0.986	1.005
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.044	1.060	1.060	1.061	1.069	1.100	1.080	0.634	0.626	0.586	0.576	0.553	0.551	0.541	0.564	0.468	0.506	0.533	0.587	0.611	0.617
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.629	0.636	0.650	0.359	0.322	0.268	0.261	0.244	0.243	0.235	0.232	0.224	0.442	0.460	0.472	0.495	0.505	0.507	0.512	0.515	0.520
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
WCDMA IV	RMC 12.2Kbps	1513	1752.6	-	-	Bottom Side	5mm	0.893	1.19	0.322	0.251	0.214	0.206	0.188	0.186	0.179	0.174	0.167	0.896	0.939	0.966	1.027	1.052	1.057	1.066	1.073	1.085	0.628	0.551	0.508
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.496	0.474	0.471	0.460	0.454	0.441	0.865	0.888	0.903	0.927	0.968	0.940	0.947	0.950	0.957	0.505	0.424	0.380	0.368	0.346	0.343
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.331	0.326	0.316	0.231	0.249	0.262	0.290	0.304	0.307	0.314	0.317	0.329	0.235	0.191	0.169	0.163	0.151	0.151	0.145	0.143	0.138
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.230	0.238	0.255	0.260	0.262	0.263	0.264	0.266	0.270	0.234	0.174	0.144	0.138	0.125	0.123	0.117	0.114	0.110			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.091	0.132	0.178	0.420	0.634	0.685	0.759	0.784	0.802	0.164	0.304	0.524	0.642	0.913	0.996	1.090	1.126	1.181	0.109	0.158	0.212
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.485	0.723	0.794	0.822	0.901	0.939	0.206	0.371	0.698	0.752	1.132	1.137	1.227	1.247	1.302	0.043	0.066	0.096	0.301	0.582	0.755
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.089	1.256	1.077	0.073	0.155	0.321	0.429	0.738	0.901	1.186	1.321	1.338	0.052	0.079	0.052	0.346	0.642	0.811	1.131	1.299	1.210
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
CDMA2000 BC10	RC3 SO32 (F+SCH)	684	823.1	-	-	Back	5mm	1.21	1.54	0.092	0.193	0.389	0.507	0.816	0.966	1.212	1.313	1.327	0.063	0.096	0.136	0.385	0.655	0.799	1.051	1.065	0.981	0.105	0.218	0.354
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.554	0.870	1.023	1.260	1.364	0.331	0.075	0.114	0.160	0.439	0.733	0.882	1.134	1.214	1.123	0.130	0.266	0.505	0.644	0.966	1.110
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.331	1.419	1.398	0.027	0.040	0.061	0.195	0.396	0.543	0.880	1.096	1.255	0.044	0.095	0.204	0.281	0.512	0.655	0.932	1.076	1.316
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.033	0.050	0.072	0.225	0.441	0.591	0.091	1.111	1.323	0.052	0.116	0.244	0.331	0.573	0.710	0.941	1.044	1.219			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										0.130	0.185	0.243	0.496	0.665	0.725	0.832	0.878	0.982	0.210	0.384	0.624	0.737	0.967	1.055	1.199	1.261	1.418	0.151	0.214	0.280
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.559	0.746	0.819	0.936	0.989	1.127	0.257	0.424	0.729	0.856	1.075	1.215	1.302	1.439	1.589	0.060	0.077	0.143	0.462	0.982	1.248
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.595	1.569	1.239	0.093	0.215	0.476	0.662	1.177	1.434	1.511	1.539	1.503	0.079	0.112	0.164	0.546	0.992	1.319	1.515	1.520	1.445
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
CDMA2000 BC0	RTAP 153.6Kbps	384	836.52	-	-	Back	5mm	1.22	1.6	0.114	0.244	0.519	0.741	1.220	1.493	1.532	1.533	1.578	0.103	0.159	0.229	0.632	0.954	1.076	1.233	1.272	1.140	0.153	0.331	0.688
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.876	1.280	1.430	1.533	1.596	1.524	0.119	0.183	0.263	0.712	1.062	1.195	1.366	1.414	1.288	0.183	0.388	0.805	1.033	1.499	1.565
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.586	1.547	1.521	0.036	0.055	0.079	0.277	0.483	0.842	1.375	1.555	1.440	0.052	0.096	0.262	0.375	0.713	0.942	1.370	1.583	1.580
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.040	0.062	0.089	0.301	0.634	0.797	0.924	1.522	1.535	0.058	0.130	0.293	0.412	0.776	0.817	1.374	1.550	1.572			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CDMA2000 BC1	RTAP 153.6Kbps	25	1851.25	-	-	Bottom Side	5mm	1.04	1.4	0.370	0.397	0.417	0.458	0.474	0.478	0.487	0.491	0.492	0.874	1.120	1.176	1.191	1.223	1.224	1.242	1.248	1.262	0.411	0.439	0.457
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.501	0.521	0.521	0.534	0.539	0.547	1.373	1.328	1.369	1.376	1.386	1.389	1.392	1.397	1.397	0.961	1.085	1.154	1.213	1.208	1.208
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.193	1.183	1.160	0.961	1.131	1.149	1.184	1.185	1.187	1.203	1.213	1.225	0.962	1.090	1.168	1.254	1.265	1.263	1.259	1.252	1.238
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.869	0.898	0.908	0.905	0.911	0.908	0.913	0.914	0.915	0.917	0.683	0.701	0.729	0.729	0.734	0.737	0.736	0.736	0.736	1.396	1.394
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.360	1.389	1.386	1.400	1.400	0.707	0.707	0.741	0.761	0.791	0.802	0.801	0.805	0.805	0.805	1.391	1.394	1.353	1.358	1.355	1.356
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.355	1.362	1.371	1.374	0.745	0.879	1.195	1.195	1.357	1.392	1.328	1.367	0.530	0.602	0.652	0.666	0.693	0.698	0.710	0.721	0.739
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.567	0.708	0.823	1.105	1.234	1.243	1.305	1.328	1.369	0.523	0.523	0.533	0.534	0.538	0.541	0.543	0.544	0.546			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 26	QPSK/15M	26865	831.5	1	0	Back	5mm	1.22	2.23	0.166	0.232	0.301	0.582	0.754	0.817	0.910	0.948	1.050	0.278	0.490	0.766	0.893	1.136	1.224	1.356	1.409	1.579	0.529	0.209	0.279
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.360	0.681	0.879	0.931	1.100	1.236	0.353	0.601	0.920	1.063	1.160	1.432	1.577	1.636	1.826	0.070	0.108	0.163	0.556	1.103	1.402
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.845	1.960	1.463	0.117	0.247	0.545	0.748	1.324	1.612	2.034	2.223	2.031	0.083	0.129	0.191	0.638	1.211	1.490	1.982	2.116	1.687
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.138	0.296	0.607	0.845	1.442	1.714	2.095	2.210	2.118	0.117	0.187	0.268	0.772	1.186	1.301	1.433	1.446	1.303	0.182	0.393	0.788
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.040	1.553	1.752	1.934	1.983	1.844	0.137	0.211	0.303	0.846	1.320	1.454	1.605	1.633	1.498	0.220	0.466	0.908	1.162	1.682	1.877
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										2.110	2.177	2.065	0.040	0.062	0.091	0.305	0.671	0.937	1.521	1.829	1.750	0.058	0.131	0.296	0.422	0.798	1.066	1.548	1.788	1.986
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.044	0.068	0.102	0.338	0.702	0.961	1.542	1.839	1.780	0.066	0.150	0.319	0.466	0.867	1.102	1.506	1.706	1.940			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 66	QPSK/20M	132572	1770	50	0	Back	5mm	1.12	1.41	0.977	1.030	1.066	1.147	1.172	1.176	1.195	1.204	1.231	1.377	1.280	1.231	1.211	1.199	1.170	1.156	1.152	1.140	1.142	1.180	1.214
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.295	1.315	1.316	1.320	1.332	1.352	1.012	0.925	0.870	0.851	0.820	0.820	0.806	0.797	0.776	0.622	0.686	0.732	0.839	0.895	0.900
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.931	0.944	0.982	0.471	0.406	0.368	0.359	0.340	0.339	0.330	0.325	0.316	0.584	0.622	0.650	0.707	0.734	0.739	0.752	0.759	0.776
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.423	0.337	0.292	0.280	0.260	0.257	0.247	0.243	0.233	1.168	1.255	1.296	1.313	1.355	1.364	1.395	1.406	0.884	0.795	0.738	0.722
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.693	0.688	0.673	0.671	0.654	0.642	1.167	1.210	1.245	1.321	1.341	1.348	1.368	1.377	1.393	0.706	0.601	0.540	0.525	0.499	0.495
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.480	0.575	0.460	0.294	0.324	0.348	0.402	0.429	0.434	0.450	0.457	0.480	0.297	0.251	0.226	0.219	0.211	0.206	0.199	0.196	0.191
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.293	0.312	0.325	0.354	0.367	0.370	0.377	0.381	0.393	0.295	0.227	0.192	0.184	0.168	0.167	0.160	0.156	0.149			

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 25	QPSK/20M	26590	1905	50	0	Back	5mm	0.948	1.2	0.075	0.100	0.122	0.165	0.181	0.180	0.192	0.199	0.205	0.795	0.862	0.910	0.926	0.966	0.963	0.979	0.983	1.000	0.114	0.142	0.165
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.208	0.229	0.229	0.241	0.247	0.255	1.119	1.151	1.183	1.182	1.196	1.199	1.197	1.111	1.115	0.649	0.785	0.861	0.953	0.951	0.949
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.948	0.934	0.920	0.630	0.722	0.782	0.792	0.819	0.823	0.837	0.844	0.857	0.656	0.788	0.871	0.974	1.003	1.001	0.997	0.990	0.987
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.526	0.540	0.547	0.545	0.544	0.544	0.545	0.540	0.540	0.366	0.400	0.422	0.450	0.456	0.457	0.460	0.458	0.454	1.033	1.115	1.151
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.175	1.197	1.100	1.198	1.191	1.197	0.430	0.461	0.485	0.516	0.533	0.532	0.533	0.534	0.540	0.831	1.115	1.126	1.130	1.140	1.143
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.135	1.136	1.135	0.250	0.402	0.532	0.851	0.990	1.006	1.071	1.105	1.144	0.196	0.253	0.294	0.304	0.419	0.425	0.439	0.448	0.464
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.312	0.463	0.583	0.883	0.884	1.046	1.114	1.146	1.199	0.240	0.250	0.254	0.254	0.256	0.256	0.256	0.256	0.259			