



IMPORTANT NOTICE

USAGE OF THE DAE4

The DAE unit is a delicate, high precision instrument and requires careful treatment by the user. There are no serviceable parts inside the DAE. Special attention shall be given to the following points:

Battery Exchange: The battery cover of the DAE4 unit is fixed using a screw, over tightening the screw may cause the threads inside the DAE to wear out.

Shipping of the DAE: Before shipping the DAE to SPEAG for calibration, remove the batteries and pack the DAE in an antistatic bag. This antistatic bag shall then be packed into a larger box or container which protects the DAE from impacts during transportation. The package shall be marked to indicate that a fragile instrument is inside.

E-Stop Failures: Touch detection may be malfunctioning due to broken magnets in the E-stop. Rough handling of the E-stop may lead to damage of these magnets. Touch and collision errors are often caused by dust and dirt accumulated in the E-stop. To prevent E-stop failure, the customer shall always mount the probe to the DAE carefully and keep the DAE unit in a non-dusty environment if not used for measurements.

Repair: Minor repairs are performed at no extra cost during the annual calibration. However, SPEAG reserves the right to charge for any repair especially if rough unprofessional handling caused the defect.

DASY Configuration Files: Since the exact values of the DAE input resistances, as measured during the calibration procedure of a DAE unit, are not used by the DASY software, a nominal value of 200 MOhm is given in the corresponding configuration file.

Important Note:

Warranty and calibration is void if the DAE unit is disassembled partly or fully by the Customer.

Important Note:

Never attempt to grease or oil the E-stop assembly. Cleaning and readjusting of the E-stop assembly is allowed by certified SPEAG personnel only and is part of the annual calibration procedure.

Important Note:

To prevent damage of the DAE probe connector pins, use great care when installing the probe to the DAE. Carefully connect the probe with the connector notch oriented in the mating position. Avoid any rotational movement of the probe body versus the DAE while turning the locking nut of the connector. The same care shall be used when disconnecting the probe from the DAE.



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**

Certificate No: **DAE4-1664_Mar21**

CALIBRATION CERTIFICATE

Object **DAE4 - SD 000 D04 BO - SN: 1664**

Calibration procedure(s) **QA CAL-06.v30
Calibration procedure for the data acquisition electronics (DAE)**

Calibration date: **March 01, 2021**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 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	07-Sep-20 (No:28647)	Sep-21
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Auto DAE Calibration Unit	SE UWS 053 AA 1001	07-Jan-21 (in house check)	In house check: Jan-22
Calibrator Box V2.1	SE UMS 006 AA 1002	07-Jan-21 (in house check)	In house check: Jan-22

Calibrated by: **Name** Adrian Gehring **Function** Laboratory Technician

Signature

Approved by: **Name** Sven Kühn **Function** Deputy Manager

Issued: March 1, 2021

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Accreditation No.: **SCS 0108**

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 = 6.1 μ V, 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	404.849 \pm 0.02% (k=2)	404.744 \pm 0.02% (k=2)	405.016 \pm 0.02% (k=2)
Low Range	4.01009 \pm 1.50% (k=2)	4.00023 \pm 1.50% (k=2)	4.00200 \pm 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	103.0 $^{\circ}$ \pm 1 $^{\circ}$
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Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	199990.99	-0.39	-0.00
Channel X + Input	20002.55	0.83	0.00
Channel X - Input	-19999.25	1.98	-0.01
Channel Y + Input	199990.69	-0.86	-0.00
Channel Y + Input	20000.47	-1.14	-0.01
Channel Y - Input	-20002.08	-0.70	0.00
Channel Z + Input	199991.32	-0.07	-0.00
Channel Z + Input	19999.08	-2.48	-0.01
Channel Z - Input	-20002.98	-1.65	0.01

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2001.09	0.02	0.00
Channel X + Input	201.53	0.04	0.02
Channel X - Input	-198.42	0.01	-0.01
Channel Y + Input	2000.85	-0.15	-0.01
Channel Y + Input	201.00	-0.40	-0.20
Channel Y - Input	-199.10	-0.60	0.30
Channel Z + Input	2001.00	0.18	0.01
Channel Z + Input	200.39	-0.94	-0.46
Channel Z - Input	-199.74	-1.14	0.58

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	-4.80	-6.52
	- 200	7.00	5.68
Channel Y	200	6.90	6.70
	- 200	-8.40	-8.58
Channel Z	200	9.54	9.26
	- 200	-12.81	-12.46

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	-	2.37	-2.75
Channel Y	200	6.16	-	3.84
Channel Z	200	7.65	4.18	-

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	16004	16539
Channel Y	16012	16123
Channel Z	16045	15644

5. Input Offset Measurement

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

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	-1.96	-3.91	0.23	0.45
Channel Y	-0.22	-1.06	0.62	0.33
Channel Z	-0.82	-1.68	-0.07	0.29

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: **EX3-7577_Sep20**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7577**

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 **September 30, 2020**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: CC2552 (20x)	31-Mar-20 (No. 217-03106)	Apr-21
DAE4	SN: 680	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DVZ	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642UD1700	04-Aug-89 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20

Calibrated by:	Name Leif Klysner	Function Laboratory Technician	Signature
Approved by:	Name Katja Pokovic	Function Technical Manager	
			Issued: October 1, 2020
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Accreditation No.: SCS 0108

Glossary:

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

- 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
- 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
- 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
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7577

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.58	0.64	0.60	$\pm 10.1\%$
DCP (mV) ^B	100.3	99.6	100.2	

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	179.9	$\pm 3.5\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		190.2		
		Z	0.00	0.00	1.00		187.4		
10352- AAA	Pulse Waveform (200Hz, 10%)	X	15.00	85.85	17.85	10.00	60.0	$\pm 3.3\%$	$\pm 9.6\%$
		Y	15.00	86.11	18.19		60.0		
		Z	15.00	86.79	18.62		60.0		
10353- AAA	Pulse Waveform (200Hz, 20%)	X	15.00	87.65	17.70	6.99	80.0	$\pm 2.1\%$	$\pm 9.6\%$
		Y	15.00	88.77	18.19		80.0		
		Z	15.00	89.85	19.02		80.0		
10354- AAA	Pulse Waveform (200Hz, 40%)	X	15.00	92.45	18.72	3.98	95.0	$\pm 1.0\%$	$\pm 9.6\%$
		Y	15.00	91.79	18.08		95.0		
		Z	15.00	96.85	21.09		95.0		
10355- AAA	Pulse Waveform (200Hz, 60%)	X	15.00	100.46	21.24	2.22	120.0	$\pm 1.1\%$	$\pm 9.6\%$
		Y	15.00	90.85	16.23		120.0		
		Z	15.00	108.65	25.24		120.0		
10387- AAA	QPSK Waveform, 1 MHz	X	0.61	61.31	8.06	0.00	150.0	$\pm 2.6\%$	$\pm 9.6\%$
		Y	0.51	60.00	6.74		150.0		
		Z	0.62	61.67	8.27		150.0		
10388- AAA	QPSK Waveform, 10 MHz	X	2.33	69.51	16.61	0.00	150.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	1.96	66.54	14.94		150.0		
		Z	2.39	70.09	16.90		150.0		
10396- AAA	64-QAM Waveform, 100 kHz	X	2.79	70.78	19.07	3.01	150.0	$\pm 1.1\%$	$\pm 9.6\%$
		Y	2.31	66.70	17.09		150.0		
		Z	2.98	71.91	19.51		150.0		
10399- AAA	64-QAM Waveform, 40 MHz	X	3.45	67.23	15.93	0.00	150.0	$\pm 2.0\%$	$\pm 9.6\%$
		Y	3.32	66.40	15.38		150.0		
		Z	3.47	67.48	16.06		150.0		
10414- AAA	WLAN CCDF, 64-QAM, 40MHz	X	4.71	65.62	15.58	0.00	150.0	$\pm 3.7\%$	$\pm 9.6\%$
		Y	4.64	65.21	15.32		160.0		
		Z	4.72	65.75	15.64		160.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 5).

^B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7577

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	37.3	275.86	35.01	9.44	0.00	5.05	1.02	0.18	1.01
Y	37.2	282.80	36.55	7.00	0.00	5.08	0.00	0.37	1.01
Z	37.3	273.69	34.51	9.73	0.00	5.07	1.16	0.19	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-54.8
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:7577

Calibration Parameter Determined in Head Tissue Simulating Media

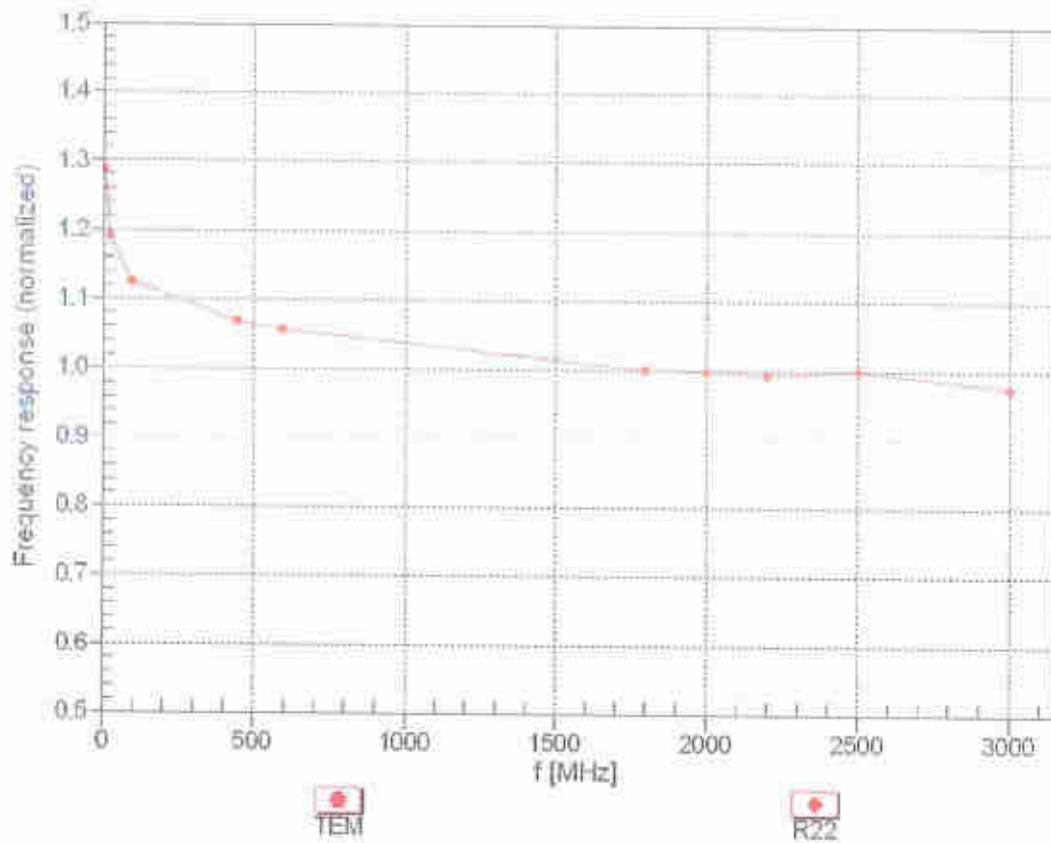
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth (mm) ^G	Unc (k=2)
750	41.9	0.89	9.85	9.85	9.85	0.67	0.80	± 12.0 %
835	41.5	0.90	9.54	9.54	9.54	0.59	0.83	± 12.0 %
900	41.5	0.97	9.21	9.21	9.21	0.56	0.80	± 12.0 %
1750	40.1	1.37	8.62	8.62	8.62	0.40	0.86	± 12.0 %
1900	40.0	1.40	8.34	8.34	8.34	0.28	0.86	± 12.0 %
2000	40.0	1.40	8.24	8.24	8.24	0.37	0.86	± 12.0 %
2300	39.5	1.67	7.99	7.99	7.99	0.27	0.86	± 12.0 %
2450	39.2	1.80	7.95	7.95	7.95	0.39	0.90	± 12.0 %
2600	39.0	1.96	7.66	7.66	7.66	0.40	0.90	± 12.0 %
3300	38.2	2.71	6.96	6.96	6.96	0.30	1.35	± 14.0 %
3500	37.9	2.91	6.69	6.69	6.69	0.30	1.35	± 14.0 %
3700	37.7	3.12	6.52	6.52	6.52	0.30	1.35	± 14.0 %
3900	37.5	3.32	6.26	6.26	6.26	0.35	1.60	± 14.0 %
4100	37.2	3.53	5.94	5.94	5.94	0.35	1.60	± 14.0 %
5250	35.9	4.71	5.40	5.40	5.40	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.79	4.79	4.79	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.02	5.02	5.02	0.40	1.80	± 14.0 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v1.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

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

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



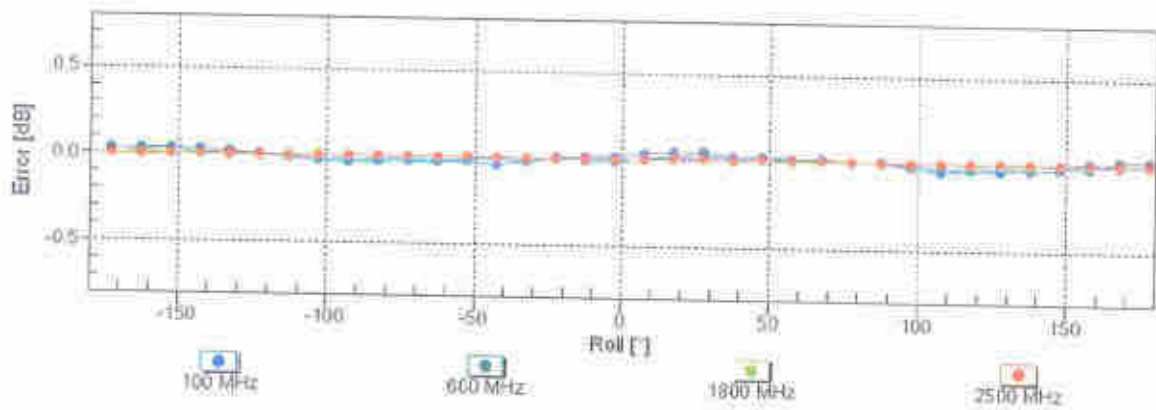
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz,TEM

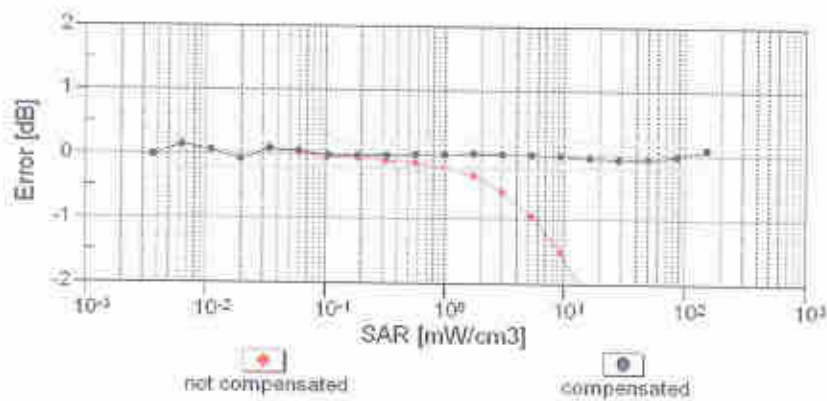
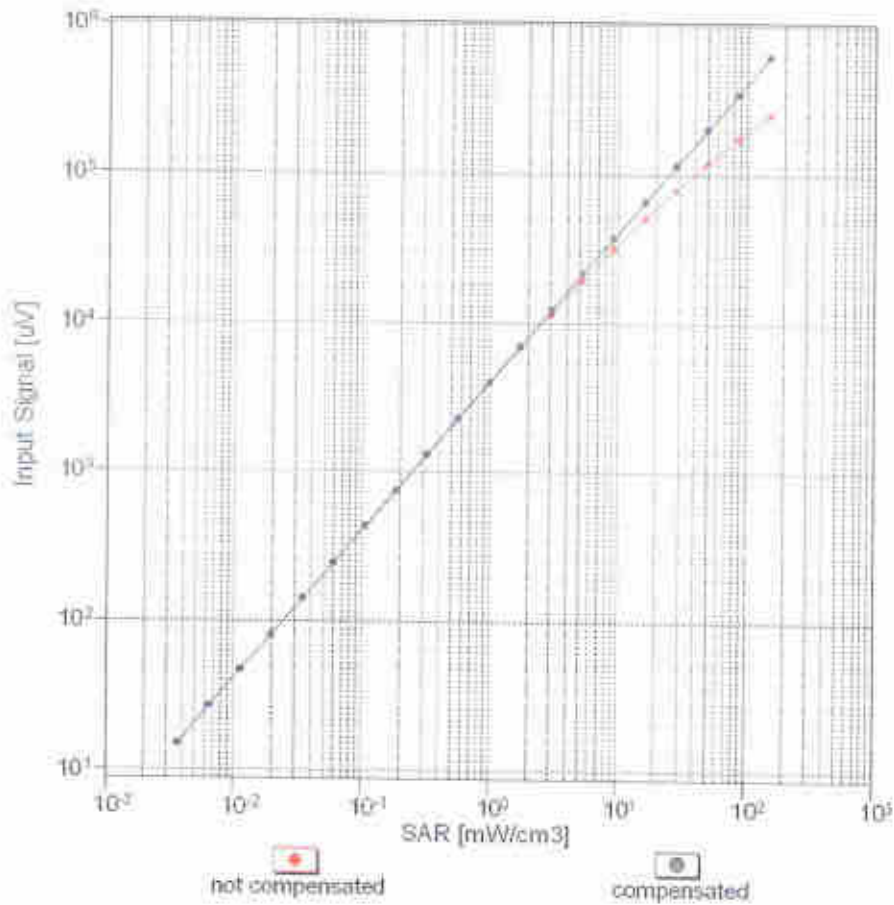


f=1800 MHz,R22



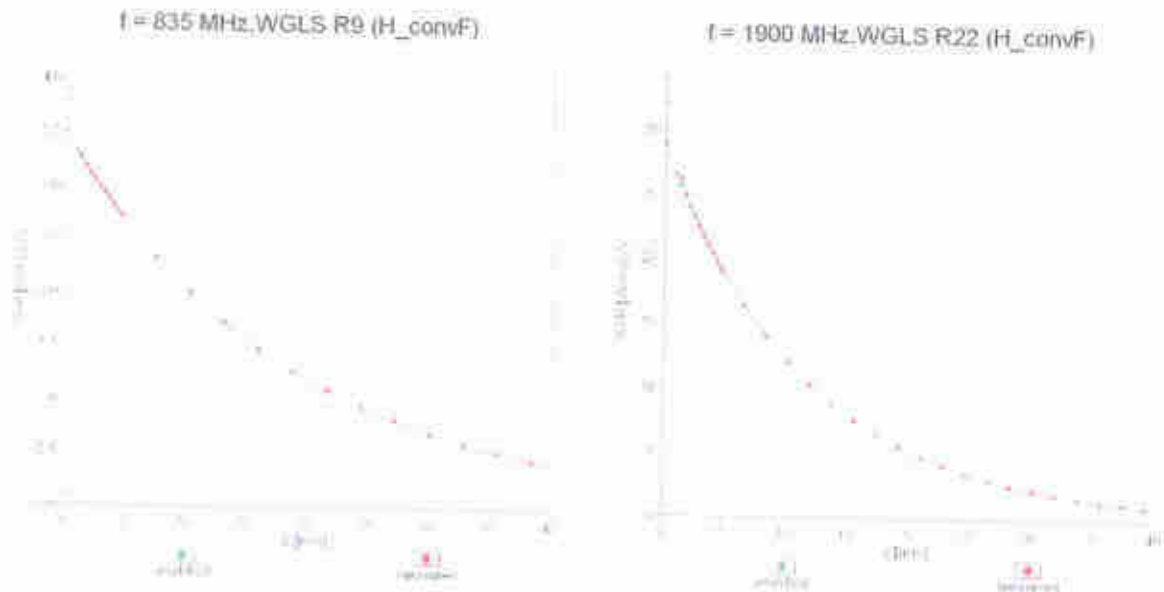
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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

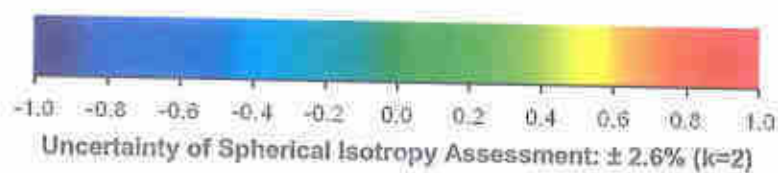
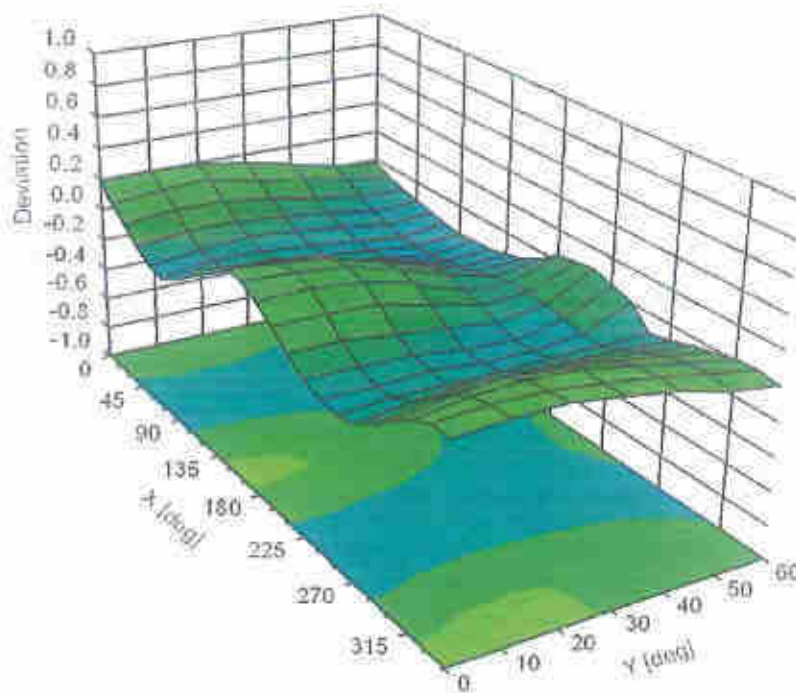


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



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



Appendix: Modulation Calibration Parameters

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

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

10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.43	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %

10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Roll-off 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Roll-off 0.38)	PHS	12.18	± 9.6 %
10290	CAG	CDMA2000, RC1, SQ55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SQ55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SQ32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SQ3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SQ3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAD	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAD	CDMA2000, RC3, SQ32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %

10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10416	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSOPA)	WCDMA	6.02	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-FDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %

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

10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.87	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %

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

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.58	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %

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

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.98	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

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

⁸ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **Sporton**

Certificate No: **EX3-7641_Mar21**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7641**

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

Calibration date: **March 15, 2021**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 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	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: CC2552 (20x)	31-Mar-20 (No. 217-03106)	Apr-21
DAE4	SN: 660	23-Dec-20 (No. DAE4-660_Dec20)	Dec-21
Reference Probe ES3DV2	SN: 3013	30-Dec-20 (No. ES3-3013_Dec20)	Dec-21
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-21

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

Issued: March 15, 2021

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



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Glossary:

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

Calibration is Performed According to the Following Standards:

- 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
- 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
- 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
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E^2 -field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7641

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.65	0.72	0.71	$\pm 10.1 \%$
DCP (mV) ^B	108.0	108.0	107.0	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	128.6	$\pm 3.5 \%$	$\pm 4.7 \%$
		Y	0.00	0.00	1.00		134.8		
		Z	0.00	0.00	1.00		136.5		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	1.77	61.72	6.99	10.00	60.0	$\pm 3.6 \%$	$\pm 9.6 \%$
		Y	1.84	62.30	7.55		60.0		
		Z	1.70	61.40	6.70		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	0.88	60.00	5.12	6.99	80.0	$\pm 2.7 \%$	$\pm 9.6 \%$
		Y	0.86	60.00	5.56		80.0		
		Z	0.88	60.00	5.00		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	0.47	60.00	4.21	3.98	95.0	$\pm 1.6 \%$	$\pm 9.6 \%$
		Y	0.50	60.00	4.64		95.0		
		Z	0.49	60.00	4.04		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	14.64	148.85	0.14	2.22	120.0	$\pm 2.2 \%$	$\pm 9.6 \%$
		Y	15.20	131.09	0.06		120.0		
		Z	13.88	151.71	1.95		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	0.55	63.60	12.39	1.00	150.0	$\pm 4.2 \%$	$\pm 9.6 \%$
		Y	0.76	63.04	11.33		150.0		
		Z	0.58	63.08	11.61		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	1.33	65.91	13.81	0.00	150.0	$\pm 1.4 \%$	$\pm 9.6 \%$
		Y	1.42	64.17	12.99		150.0		
		Z	1.33	65.14	13.41		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	1.74	64.97	16.01	3.01	150.0	$\pm 0.9 \%$	$\pm 9.6 \%$
		Y	1.80	64.68	15.60		150.0		
		Z	1.75	64.94	15.93		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	2.82	66.44	15.04	0.00	150.0	$\pm 1.8 \%$	$\pm 9.6 \%$
		Y	2.91	65.59	14.47		150.0		
		Z	2.83	66.09	14.81		150.0		
10414-AAA	WLAN CCDF, 64-QAM, 40MHz	X	3.77	66.08	15.17	0.00	150.0	$\pm 3.4 \%$	$\pm 9.6 \%$
		Y	4.04	65.36	14.83		150.0		
		Z	3.84	65.79	15.04		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:7641

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	9.2	64.24	31.22	5.28	0.00	4.90	0.47	0.00	1.00
Y	14.4	101.45	31.82	6.45	0.00	4.93	0.64	0.00	1.00
Z	10.6	74.74	31.70	5.87	0.00	4.90	0.51	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-112
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7641

Calibration Parameter Determined in Head Tissue Simulating Media

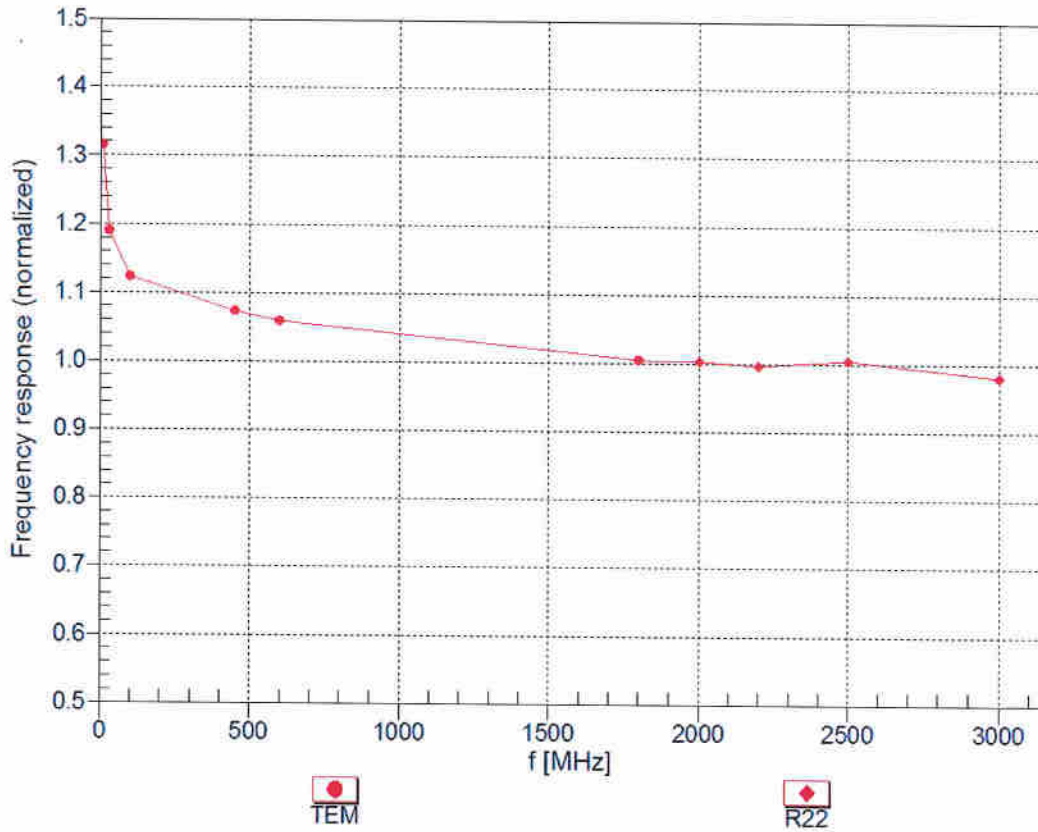
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	11.05	11.05	11.05	0.50	0.96	± 12.0 %
835	41.5	0.90	10.90	10.90	10.90	0.38	1.04	± 12.0 %
1750	40.1	1.37	9.41	9.41	9.41	0.31	0.86	± 12.0 %
1900	40.0	1.40	9.05	9.05	9.05	0.32	0.86	± 12.0 %
2000	40.0	1.40	8.96	8.96	8.96	0.25	0.86	± 12.0 %
2300	39.5	1.67	8.56	8.56	8.56	0.33	0.90	± 12.0 %
2450	39.2	1.80	8.29	8.29	8.29	0.27	0.90	± 12.0 %
2600	39.0	1.96	7.94	7.94	7.94	0.34	0.90	± 12.0 %
3300	38.2	2.71	7.55	7.55	7.55	0.35	1.30	± 14.0 %
3500	37.9	2.91	7.40	7.40	7.40	0.35	1.30	± 14.0 %
3700	37.7	3.12	7.20	7.20	7.20	0.35	1.30	± 14.0 %
5250	35.9	4.71	5.68	5.68	5.68	0.40	1.80	± 14.0 %
5600	35.5	5.07	5.03	5.03	5.03	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.30	5.30	5.30	0.40	1.80	± 14.0 %

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

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

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

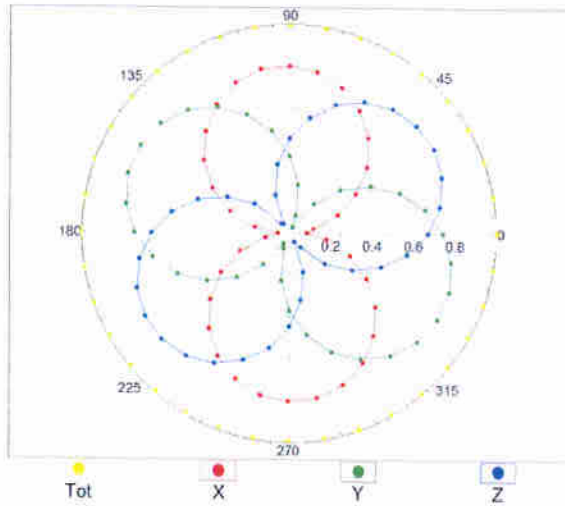
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



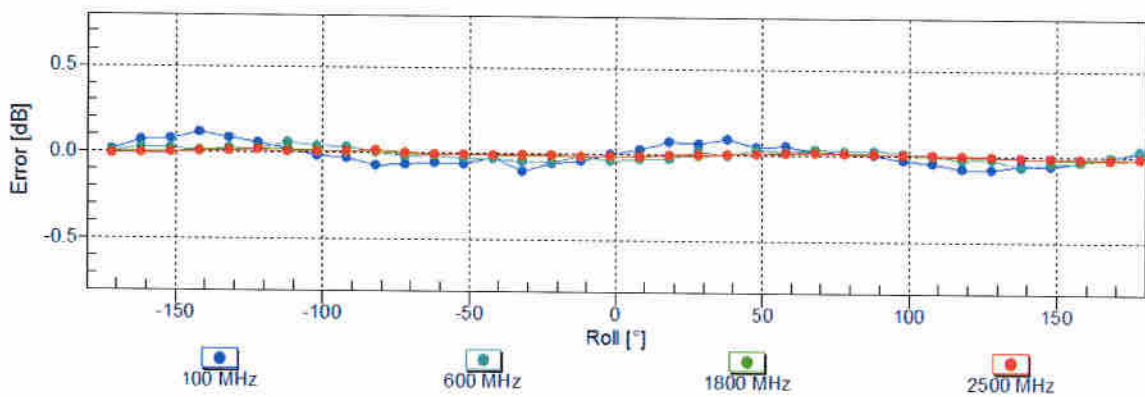
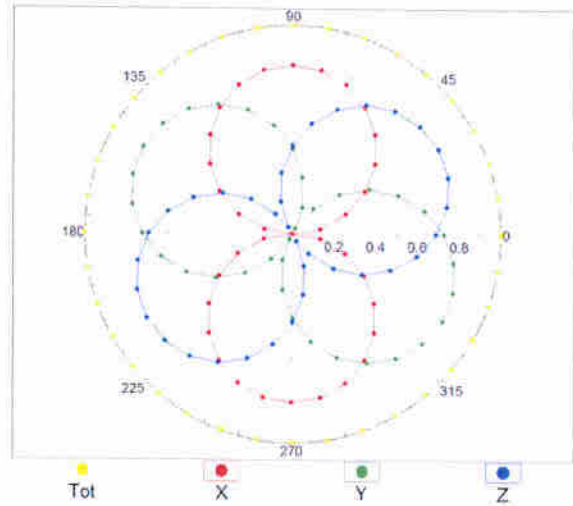
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz,TEM

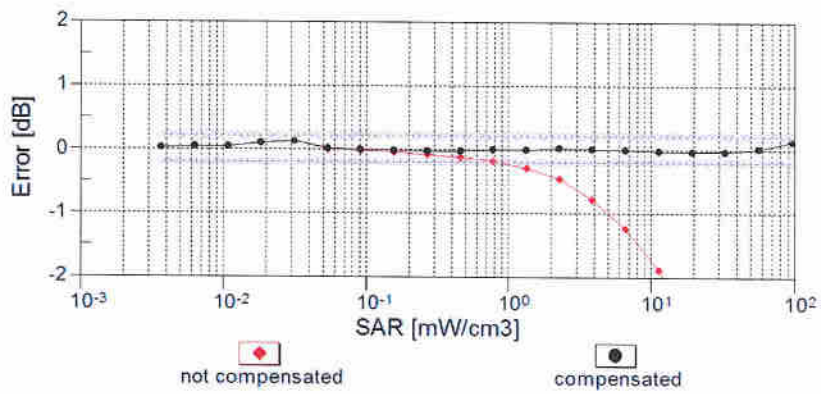
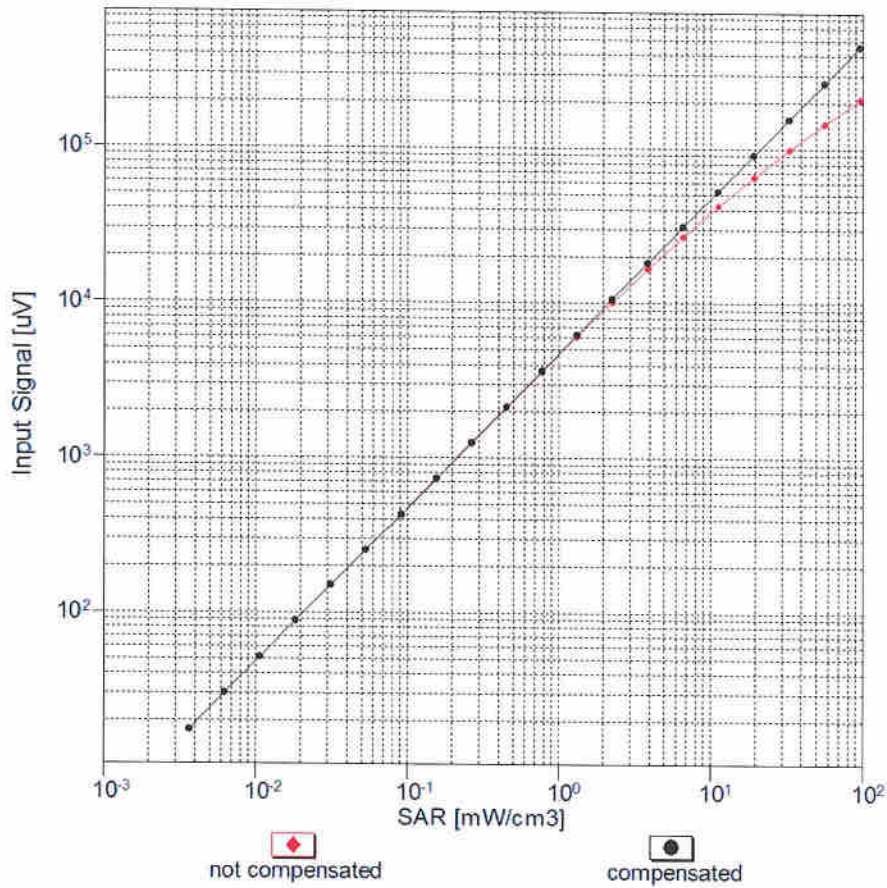


f=1800 MHz,R22



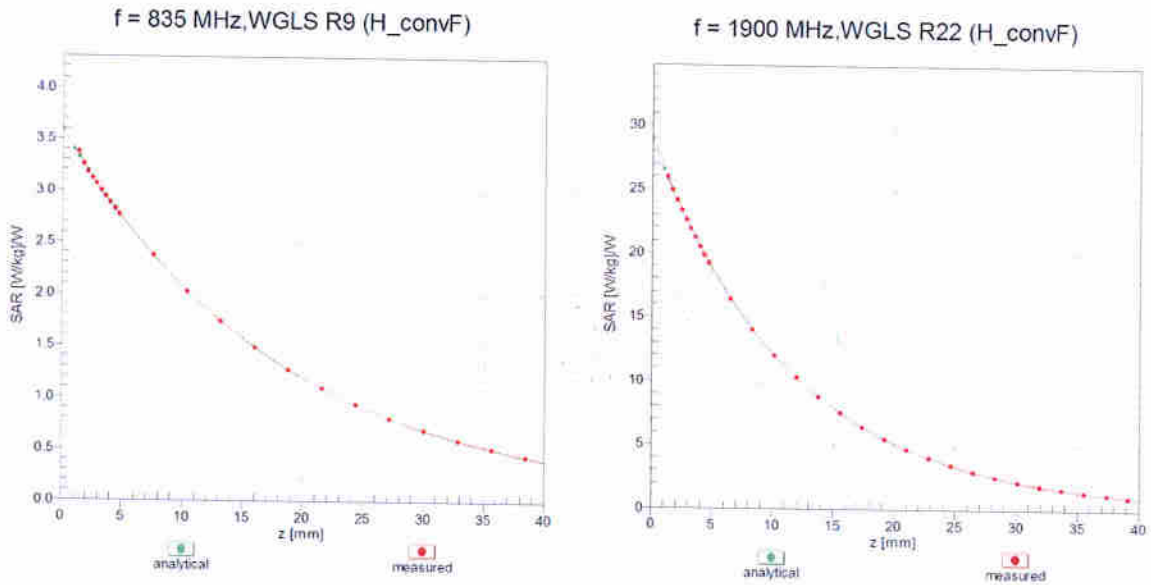
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (k=2)

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

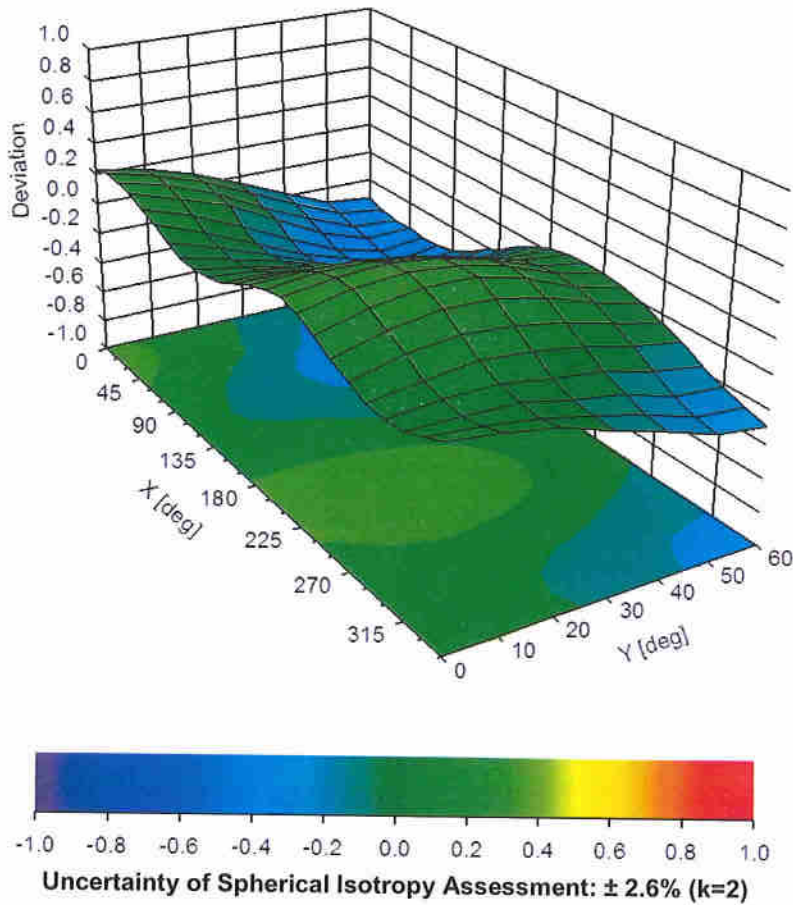


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



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



Appendix: Modulation Calibration Parameters

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.



Full Power Mode

GSM850_Ant0	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			
	128	189	251			128	189	251	
TX Channel	32.42	33.64	34.83		32.42	33.64	34.83		
Frequency (MHz)	32.42	33.64	34.83		32.42	33.64	34.83		
GSM 1 Tx slot	32.55	32.48	32.30	33.50	23.55	23.48	23.30	24.50	
GPRS 1 Tx slot	32.57	32.45	32.33	33.50	23.57	23.45	23.33	24.50	
GPRS 2 Tx slots	29.66	30.15	29.90	31.00	23.66	24.15	23.90	25.00	
GPRS 3 Tx slots	27.90	27.50	27.34	28.50	23.64	23.24	23.08	24.24	
GPRS 4 Tx slots	25.33	25.00	25.38	26.50	22.33	22.00	22.38	23.50	
EDGE 1 Tx slot	25.80	25.36	25.52	26.50	16.80	16.36	16.52	17.50	
EDGE 2 Tx slots	23.69	23.20	23.40	24.50	17.69	17.20	17.40	18.50	
EDGE 3 Tx slots	21.33	21.13	21.15	22.50	17.07	16.87	16.89	18.24	
EDGE 4 Tx slots	18.86	18.70	18.75	20.00	15.86	15.70	15.75	17.00	

GSM1900_Ant0	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			
	512	661	810			512	661	810	
TX Channel	153.72	163.00	169.98		153.72	163.00	169.98		
Frequency (MHz)	153.72	163.00	169.98		153.72	163.00	169.98		
GSM 1 Tx slot	29.39	29.12	29.37	30.50	20.39	20.12	20.37	21.50	
GPRS 1 Tx slot	28.41	28.16	28.42	30.50	20.41	20.16	20.42	21.50	
GPRS 2 Tx slots	27.19	26.97	27.13	28.00	21.19	20.97	21.13	22.00	
GPRS 3 Tx slots	24.76	24.53	24.72	25.50	20.50	20.27	20.46	21.24	
GPRS 4 Tx slots	22.50	22.23	22.39	23.50	19.50	19.23	19.39	20.50	
EDGE 1 Tx slot	25.20	25.15	25.14	26.00	16.20	16.15	16.14	17.00	
EDGE 2 Tx slots	23.21	23.07	22.95	24.00	17.21	17.07	16.95	18.00	
EDGE 3 Tx slots	20.97	20.82	20.86	22.00	16.71	16.56	16.60	17.74	
EDGE 4 Tx slots	18.83	18.70	18.73	19.50	15.83	15.70	15.73	16.50	

Band	WCDMA II_Ant0				Tune-up Limit (dBm)	WCDMA V_Ant0			
	TX Channel	9262	9400	9538		4132	4182	4233	Tune-up Limit (dBm)
Rx Channel	9662	9800	9938		4357	4407	4458		
Frequency (MHz)	1532.4	1560	1597.8		4357.4	4407.4	4458.6		
3GPP Rel 99 AMR 12.2Kbps	22.62	22.58	22.55	24.00	22.80	22.83	22.73	24.00	
3GPP Rel 99 RMC 12.2Kbps	22.65	22.62	22.60	24.00	22.81	22.85	22.77	24.00	
3GPP Rel 6 HSDPA Subtest-1	21.51	21.53	21.49	23.00	21.93	21.89	21.88	23.00	
3GPP Rel 6 HSDPA Subtest-2	21.54	21.51	21.54	23.00	21.93	21.88	21.89	23.00	
3GPP Rel 6 HSDPA Subtest-3	21.10	21.07	20.66	22.50	21.45	21.37	21.37	22.50	
3GPP Rel 6 HSDPA Subtest-4	20.98	21.07	20.98	22.50	21.39	21.38	21.41	22.50	
3GPP Rel 6 DC-HSDPA Subtest-1	21.33	21.50	21.32	23.00	21.83	21.83	21.88	23.00	
3GPP Rel 6 DC-HSDPA Subtest-2	21.52	21.49	21.39	23.00	21.74	21.79	21.84	23.00	
3GPP Rel 6 DC-HSDPA Subtest-3	21.09	21.03	20.52	22.50	21.33	21.31	21.21	22.50	
3GPP Rel 6 DC-HSDPA Subtest-4	20.90	20.87	20.87	22.50	21.25	21.31	21.21	22.50	
3GPP Rel 6 HSUPA Subtest-1	21.56	21.52	21.53	23.00	21.93	21.84	21.86	23.00	
3GPP Rel 6 HSUPA Subtest-2	19.49	19.50	19.56	21.00	19.92	19.86	19.82	21.00	
3GPP Rel 6 HSUPA Subtest-3	20.56	20.56	20.54	22.00	20.88	20.86	20.83	22.00	
3GPP Rel 6 HSUPA Subtest-4	19.50	19.54	19.50	21.00	19.92	19.88	19.89	21.00	
3GPP Rel 6 HSUPA Subtest-5	21.50	21.40	21.50	23.00	21.90	21.90	21.90	23.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.60	19.40	19.40	20.50	19.60	19.70	19.60	20.50	



Band 2_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
1860 1860 1960										
20	QPSK	1	0	22.69	22.70	22.69				
10	QPSK	1	49	22.20	22.21	22.22	24	0		
10	QPSK	1	99	22.20	22.21	22.22				
20	QPSK	50	0	21.52	21.54	21.43				
20	QPSK	50	24	21.48	21.49	21.48				
20	QPSK	50	50	21.45	21.50	21.43	23	1		
20	QPSK	100	0	21.44	21.48	21.47				
20	16QAM	50	0	21.74	21.45	21.55				
20	16QAM	1	49	21.45	21.62	21.47	23	1		
20	16QAM	1	99	21.55	21.39	21.60				
20	16QAM	50	0	20.55	20.47	20.40				
20	16QAM	50	24	20.53	20.51	20.57	22	2		
20	16QAM	50	50	20.48	20.43	20.49				
20	16QAM	100	0	20.43	20.43	20.46				
20	64QAM	1	0	20.63	20.31	20.33				
20	64QAM	1	49	20.45	20.38	20.59	22	2		
20	64QAM	50	0	19.54	19.49	19.54				
20	64QAM	50	24	19.55	19.49	19.49				
20	64QAM	50	50	19.50	19.44	19.42	21	3		
20	64QAM	100	0	19.48	19.53	19.54				
20	256QAM	1	49	17.65	17.67	17.64	19	5		
20	256QAM	1	99	17.62	17.67	17.61				
20	256QAM	50	0	17.67	17.64	17.61				
20	256QAM	50	24	17.59	17.64	17.64	19	5		
20	256QAM	50	50	17.66	17.68	17.67				
20	256QAM	100	0	17.63	17.65	17.65				
Channel										
1867.5 1860 1962.5										
15	QPSK	1	0	22.30	22.31	22.37				
15	QPSK	1	37	22.25	22.26	22.26	24	0		
15	QPSK	1	74	22.25	22.29	22.22				
15	QPSK	36	0	21.42	21.38	21.40				
15	QPSK	36	25	21.48	21.47	21.40				
15	QPSK	36	39	21.39	21.43	21.44	23	1		
15	QPSK	75	0	21.38	21.40	21.42				
15	16QAM	1	0	21.70	21.40	21.56				
15	16QAM	1	37	21.49	21.47	22.21	23	1		
15	16QAM	1	74	21.77	21.74	21.76				
15	16QAM	36	0	20.41	20.42	20.44				
15	16QAM	36	29	20.46	20.42	20.49	22	2		
15	16QAM	36	29	20.52	20.48	20.47				
15	16QAM	75	0	20.43	20.34	20.51				
15	64QAM	1	0	20.62	20.55	20.55				
15	64QAM	1	37	20.41	20.39	20.41	22	2		
15	64QAM	1	74	20.47	20.55	20.75				
15	64QAM	36	0	19.38	19.44	19.47				
15	64QAM	36	29	19.48	19.48	19.47				
15	64QAM	36	39	19.36	19.42	19.45	21	3		
15	64QAM	75	0	19.47	19.52	19.45				
15	256QAM	1	37	17.47	17.46	17.46	19	5		
15	256QAM	1	74	17.57	17.54	17.43				
15	256QAM	36	0	17.46	17.46	17.44				
15	256QAM	36	29	17.56	17.55	17.51	19	5		
15	256QAM	36	39	17.48	17.48	17.50				
15	256QAM	75	0	17.47	17.47	17.45				
Channel										
1869 1860 1965										
10	QPSK	1	0	22.61	22.41	22.41				
10	QPSK	1	25	22.58	22.58	22.52	24	0		
10	QPSK	1	49	22.38	22.34	22.39				
10	QPSK	25	0	21.56	21.54	21.87				
10	QPSK	25	25	21.46	21.47	21.87	23	1		
10	16QAM	1	0	21.97	21.58	21.79				
10	16QAM	1	24	22.07	21.43	21.56	23	1		
10	16QAM	1	49	22.06	21.79	21.84				
10	16QAM	25	0	20.64	20.63	20.62				
10	16QAM	25	12	20.43	20.61	20.54	22	2		
10	16QAM	25	25	20.43	20.59	20.61				
10	16QAM	50	0	20.52	20.59	20.52				
10	64QAM	1	0	20.98	20.74	20.91				
10	64QAM	1	24	20.63	20.63	20.63	22	2		
10	64QAM	1	49	20.56	20.63	20.85				
10	64QAM	25	0	19.48	19.58	19.62				
10	64QAM	25	12	19.68	19.65	19.68	21	3		
10	64QAM	25	25	19.53	19.63	19.62				
10	64QAM	50	0	19.58	19.57	19.52				
10	256QAM	1	24	17.52	17.52	17.52	19	5		
10	256QAM	1	49	17.49	17.53	17.52				
10	256QAM	25	0	17.52	17.47	17.45				
10	256QAM	25	12	17.52	17.48	17.50	19	5		
10	256QAM	25	25	17.61	17.55	17.53				
10	256QAM	50	0	17.50	17.43	17.45				
Channel										
1862.5 1860 1977.5										
5	QPSK	1	0	22.61	22.41	22.41				
5	QPSK	1	12	22.46	22.35	22.40	24	0		
5	QPSK	1	24	22.30	22.48	22.50				
5	QPSK	12	0	21.62	21.46	21.65				
5	QPSK	12	7	21.70	21.58	21.87	23	1		
5	QPSK	12	13	21.42	21.45	21.55				
5	QPSK	25	0	21.38	21.43	21.60				
5	16QAM	1	0	21.83	21.83	22.13				
5	16QAM	1	12	22.18	21.75	22.13	23	1		
5	16QAM	1	24	21.38	21.48	21.60				
5	16QAM	12	0	20.64	20.52	20.70				
5	16QAM	12	7	20.56	20.67	20.71	22	2		
5	16QAM	12	13	20.42	20.66	20.60				
5	16QAM	25	0	20.43	20.50	20.56				
5	64QAM	1	0	20.64	20.28	20.60				
5	64QAM	1	12	20.88	20.59	20.63	22	2		
5	64QAM	1	24	20.81	20.45	20.73				
5	64QAM	12	0	19.74	19.42	19.68				
5	64QAM	12	7	19.68	19.45	19.69	21	3		
5	64QAM	12	13	19.58	19.51	19.70				
5	64QAM	25	0	19.90	19.41	19.73				
5	256QAM	1	0	17.51	17.51	17.58				
5	256QAM	1	12	17.52	17.50	17.62	19	5		
5	256QAM	1	24	17.59	17.49	17.57				
5	256QAM	12	0	17.47	17.54	17.65				
5	256QAM	12	7	17.58	17.57	17.64	19	5		
5	256QAM	12	13	17.49	17.63	17.60				
5	256QAM	25	0	17.55	17.51	17.65				
Channel										
1861.5 1860 1978.5										
3	QPSK	1	0	22.67	22.59	22.55				
3	QPSK	1	8	22.27	22.31	22.65	24	0		
3	QPSK	1	14	22.39	22.35	22.59				
3	QPSK	8	0	21.73	21.60	21.64				
3	QPSK	8	4	21.60	21.63	21.69	23	1		
3	QPSK	8	7	21.53	21.58	21.62				
3	QPSK	15	0	21.45	21.60	21.70				
3	16QAM	1	0	22.16	21.51	22.15				
3	16QAM	1	8	21.53	22.10	22.20	23	1		
3	16QAM	1	14	21.48	21.59	21.66				
3	16QAM	8	0	20.66	20.78	20.78				
3	16QAM	8	4	20.71	20.89	20.77	22	2		
3	16QAM	8	7	20.48	20.66	20.68				
3	16QAM	15	0	20.47	20.58	20.63				
3	64QAM	1	0	20.88	20.97	21.66				
3	64QAM	1	8	20.86	20.97	20.77	22	2		
3	64QAM	1	14	20.56	20.84	20.83				
3	64QAM	8	0	19.70	19.74	19.74				
3	64QAM	8	4	19.88	19.83	19.56	21	3		
3	64QAM	8	7	19.63	19.51	19.66				
3	64QAM	15	0	18.52	17.98	17.98				



Band 7_Ant4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.73	22.62	22.86	24	0		
20	QPSK	1	49	22.69	22.77	22.81				
20	QPSK	50	0	21.32	21.41	21.46	23	1		
20	QPSK	50	24	21.34	21.37	21.44				
20	QPSK	50	50	21.33	21.38	21.38				
20	QPSK	100	0	21.37	21.36	21.44				
20	16QAM	1	0	21.32	21.38	21.39	23	1		
20	16QAM	1	49	21.23	21.37	21.41				
20	16QAM	1	99	21.28	21.36	21.38				
20	16QAM	50	0	20.39	20.43	20.47	22	2		
20	16QAM	50	24	20.37	20.39	20.50				
20	16QAM	50	50	20.37	20.45	20.42				
20	16QAM	100	0	20.41	20.45	20.48				
20	16QAM	1	0	20.34	20.43	20.47	21	3		
20	16QAM	1	49	20.29	20.37	20.39				
20	16QAM	1	99	20.41	20.34	20.48				
20	16QAM	50	0	19.37	19.45	19.51				
20	16QAM	50	24	19.39	19.43	19.48				
20	16QAM	50	50	19.38	19.37	19.38				
20	16QAM	100	0	19.34	19.37	19.47				
20	25QAM	1	0	17.45	17.47	17.48	19	5		
20	25QAM	1	49	17.33	17.47	17.59				
20	25QAM	1	99	17.41	17.52	17.64				
20	25QAM	50	0	17.35	17.45	17.55				
20	25QAM	50	24	17.37	17.43	17.53				
20	25QAM	50	50	17.46	17.47	17.51				
20	25QAM	100	0	17.53	17.59	17.67				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.66	22.70	22.83	24	0		
15	QPSK	1	49	22.66	22.72	22.71				
15	QPSK	1	74	22.84	22.77	22.78				
15	QPSK	36	0	21.24	21.41	21.36	23	1		
15	QPSK	36	20	21.29	21.36	21.31				
15	QPSK	36	39	21.29	21.23	21.27				
15	QPSK	75	0	21.28	21.36	21.40				
15	16QAM	1	0	21.29	21.23	21.25	23	1		
15	16QAM	1	37	21.26	21.37	21.37				
15	16QAM	1	74	21.21	21.41	21.23				
15	16QAM	36	0	20.37	20.37	20.52	22	2		
15	16QAM	36	20	20.27	20.39	20.44				
15	16QAM	36	39	20.44	20.36	20.36				
15	16QAM	75	0	20.35	20.38	20.52				
15	16QAM	1	0	20.24	20.45	20.34	22	2		
15	16QAM	1	49	20.37	20.36	20.36				
15	16QAM	1	74	20.49	20.44	20.44				
15	16QAM	36	0	19.41	19.47	19.46				
15	16QAM	36	20	19.40	19.43	19.43				
15	16QAM	36	39	19.36	19.32	19.31				
15	16QAM	75	0	19.28	19.27	19.41				
15	25QAM	1	0	17.47	17.58	17.44	19	5		
15	25QAM	1	37	17.30	17.58	17.53				
15	25QAM	1	74	17.38	17.52	17.63				
15	25QAM	36	0	17.42	17.52	17.46				
15	25QAM	36	20	17.34	17.38	17.41				
15	25QAM	36	39	17.38	17.37	17.50				
15	25QAM	75	0	17.23	17.38	17.48				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.77	22.66	22.74	24	0		
10	QPSK	1	25	22.65	22.57	22.68				
10	QPSK	1	49	22.73	22.62	22.73				
10	QPSK	25	12	21.28	21.38	21.43	23	1		
10	QPSK	25	24	21.29	21.30	21.29				
10	QPSK	50	0	21.31	21.22	21.48				
10	16QAM	1	0	21.30	21.25	21.32	23	1		
10	16QAM	1	25	21.28	21.20	21.37				
10	16QAM	1	49	21.33	21.41	21.38				
10	16QAM	25	0	20.24	20.20	20.40	22	2		
10	16QAM	25	12	20.37	20.31	20.41				
10	16QAM	25	24	20.36	20.30	20.34				
10	16QAM	50	0	20.36	20.30	20.38				
10	16QAM	1	0	20.29	20.27	20.30	22	2		
10	16QAM	1	25	20.33	20.35	20.27				
10	16QAM	1	49	20.46	20.39	20.26				
10	16QAM	25	0	19.40	19.33	19.49				
10	16QAM	25	12	19.33	19.43	19.47				
10	16QAM	25	24	19.29	19.25	19.29				
10	16QAM	50	0	19.28	19.26	19.31				
10	25QAM	1	0	17.38	17.48	17.40	19	5		
10	25QAM	1	25	17.30	17.37	17.51				
10	25QAM	1	49	17.38	17.42	17.47				
10	25QAM	25	12	17.33	17.38	17.37				
10	25QAM	25	24	17.48	17.43	17.31				
10	25QAM	50	0	17.26	17.22	17.45				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.54	22.50	22.50	24	0		
5	QPSK	1	12	22.70	22.78	22.70				
5	QPSK	1	24	22.85	22.63	22.79				
5	QPSK	12	0	21.42	21.36	21.44	23	1		
5	QPSK	12	7	21.33	21.37	21.37				
5	QPSK	12	13	21.42	21.38	21.28				
5	QPSK	25	0	21.42	21.41	21.35				
5	16QAM	1	0	21.40	21.31	21.29	23	1		
5	16QAM	1	12	21.24	21.27	21.38				
5	16QAM	1	24	21.23	21.41	21.28				
5	16QAM	12	0	20.47	20.39	20.39	22	2		
5	16QAM	12	7	20.41	20.34	20.37				
5	16QAM	12	13	20.38	20.31	20.42				
5	16QAM	25	0	20.47	20.34	20.47				
5	16QAM	1	0	20.40	20.46	20.43	22	2		
5	16QAM	1	12	20.43	20.41	20.28				
5	16QAM	1	24	20.38	20.30	20.32				
5	16QAM	12	0	19.47	19.50	19.40				
5	16QAM	12	7	19.45	19.38	19.40				
5	16QAM	12	13	19.45	19.38	19.24				
5	16QAM	25	0	19.31	19.26	19.36				
5	25QAM	1	0	17.39	17.42	17.33	19	5		
5	25QAM	1	12	17.39	17.46	17.47				
5	25QAM	1	24	17.46	17.46	17.52				
5	25QAM	12	0	17.27	17.45	17.48				
5	25QAM	12	7	17.27	17.43	17.39				
5	25QAM	12	13	17.51	17.46	17.51				
5	25QAM	25	0	17.29	17.33	17.45				

Band 26_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.75	22.80	22.75	24	0		
15	QPSK	1	37	22.57	22.49	22.51				
15	QPSK	1	74	22.46	22.58	22.54				
15	QPSK	36	0	21.54	21.72	21.60	23	1		
15	QPSK	36	20	21.58	21.51	21.63				
15	QPSK	36	39	21.51	21.71	21.67				
15	QPSK	75	0	21.59	21.68	21.66				
15	16QAM	1	0	21.78	21.69	21.66	23	1		
15	16QAM	1	37	21.78	21.68	21.78				
15	16QAM	1	74	21.87	22.19	21.79				
15	16QAM	36	0	20.54	20.57	20.61	22	2		
15	16QAM	36	20	20.55	20.50	20.54				
15	16QAM	36	39	20.50	20.54	20.67				
15	16QAM	75	0	20.71	20.59	20.63				
15	16QAM	1	0	20.62	20.78	20.80	22	2		
15	16QAM	1	37	20.60	20.86	20.76				
15	16QAM	1	74	20.72	20.63	20.68		</		



Band 38_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
				37850	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	23.00	23.00	23.00			
20	QPSK	1	49	22.78	22.87	22.84	24	0	
20	QPSK	1	99	22.84	22.87	22.77			
20	QPSK	50	0	22.05	22.01	21.93			
20	QPSK	24	0	22.02	22.02	22.04			
20	QPSK	50	50	21.95	22.04	21.84			
20	QPSK	100	0	21.99	21.98	21.93			
20	16QAM	1	0	22.18	22.19	22.10			
20	16QAM	1	49	22.21	22.01	22.05	23	1	
20	16QAM	1	99	22.15	22.37	22.18			
20	16QAM	50	0	20.93	21.06	20.93			
20	16QAM	50	24	21.02	21.17	21.04			
20	16QAM	50	50	20.85	21.16	20.82			
20	16QAM	100	0	20.95	21.12	21.05			
20	64QAM	1	0	20.83	20.84	20.88			
20	64QAM	1	49	20.91	20.87	20.93	22	2	
20	64QAM	1	99	20.84	20.88	20.82			
20	64QAM	50	0	19.98	19.96	20.07			
20	64QAM	50	24	20.01	20.17	19.97			
20	64QAM	50	50	19.98	20.04	19.98			
20	256QAM	1	0	17.75	17.83	17.84			
20	256QAM	1	49	17.71	17.87	17.82	19	5	
20	256QAM	1	99	17.84	17.73	17.42			
20	256QAM	50	0	18.04	18.08	17.85			
20	256QAM	50	24	17.91	18.07	17.89			
20	256QAM	50	50	17.88	17.94	17.76			
20	256QAM	100	0	17.82	17.89	17.78			
Channel									
				37850	38000	38150			
Frequency (MHz)									
15	QPSK	1	0	22.84	22.80	22.80			
15	QPSK	1	37	22.79	22.84	22.71	24	0	
15	QPSK	1	74	22.99	22.87	22.80			
15	QPSK	38	0	22.00	21.98	22.00			
15	QPSK	38	20	22.04	22.12	21.97			
15	QPSK	38	39	22.08	21.94	21.94			
15	QPSK	75	0	21.98	21.95	21.96			
15	16QAM	1	0	22.21	22.28	22.18			
15	16QAM	1	37	22.16	22.32	22.18	23	1	
15	16QAM	1	74	22.38	22.31	22.15			
15	16QAM	38	0	21.03	20.93	20.84			
15	16QAM	38	20	21.07	20.98	20.92			
15	16QAM	38	39	21.13	20.97	20.99			
15	16QAM	75	0	21.06	21.04	20.95			
15	64QAM	1	0	20.87	20.85	20.87			
15	64QAM	1	37	20.95	20.11	19.97	22	2	
15	64QAM	1	74	21.05	20.91	20.78			
15	64QAM	38	0	20.11	19.94	19.95			
15	64QAM	38	20	20.19	19.97	19.99			
15	64QAM	38	39	20.13	19.96	19.96			
15	64QAM	75	0	20.04	19.95	20.00			
15	256QAM	1	0	17.81	17.89	17.46			
15	256QAM	1	37	17.70	17.89	17.52	19	5	
15	256QAM	1	74	17.87	17.88	17.41			
15	256QAM	38	0	17.85	17.88	17.77			
15	256QAM	38	20	18.03	17.77	17.83			
15	256QAM	38	39	17.89	17.74	17.71			
15	256QAM	75	0	17.85	17.74	17.72			
Channel									
				37850	38000	38200			
Frequency (MHz)									
10	QPSK	1	0	23.05	22.99	22.79			
10	QPSK	1	25	22.91	22.97	22.79	24	0	
10	QPSK	1	12	22.83	23.01	22.92			
10	QPSK	25	0	22.17	22.16	22.08			
10	QPSK	25	12	22.25	22.21	22.01			
10	QPSK	25	25	22.24	22.10	22.08			
10	QPSK	50	0	22.00	22.19	22.05			
10	16QAM	1	0	22.23	22.40	22.31			
10	16QAM	1	25	22.35	22.39	22.09	23	1	
10	16QAM	1	49	22.29	22.35	22.13			
10	16QAM	25	0	21.07	21.07	21.07			
10	16QAM	25	12	21.14	21.34	21.03			
10	16QAM	25	25	21.12	21.22	21.00			
10	16QAM	50	0	21.19	21.18	21.15			
10	64QAM	1	0	21.21	21.21	21.08			
10	64QAM	1	25	21.22	21.21	21.08			
10	64QAM	1	49	21.24	21.30	21.07			
10	64QAM	25	0	20.22	20.41	20.19			
10	64QAM	25	12	20.36	20.25	20.24			
10	64QAM	25	25	20.25	20.20	20.20			
10	64QAM	50	0	20.26	20.23	20.07			
10	256QAM	1	0	17.88	17.88	17.53			
10	256QAM	1	25	17.85	17.80	17.50	19	5	
10	256QAM	1	49	17.70	17.80	17.40			
10	256QAM	25	0	17.81	17.82	17.76			
10	256QAM	25	12	17.88	17.75	17.85			
10	256QAM	25	25	17.82	17.85	17.59			
10	256QAM	50	0	17.73	17.71	17.82			
Channel									
				37775	38000	38225			
Frequency (MHz)									
5	QPSK	1	0	22.93	23.05	22.83			
5	QPSK	1	12	22.83	23.01	22.92	24	0	
5	QPSK	1	24	23.00	22.91	22.86			
5	QPSK	12	0	22.19	22.13	22.03			
5	QPSK	12	7	22.12	22.29	22.04			
5	QPSK	12	13	22.17	22.04	21.92			
5	QPSK	25	0	22.21	22.09	22.02			
5	16QAM	1	0	22.42	22.44	22.20			
5	16QAM	1	12	22.45	22.42	22.05			
5	16QAM	1	24	22.30	22.04	21.96			
5	16QAM	12	0	21.13	21.13	20.94			
5	16QAM	12	7	21.55	21.28	20.83			
5	16QAM	12	13	21.49	21.28	21.04			
5	16QAM	25	0	20.11	20.24	20.03			
5	64QAM	1	0	21.27	21.27	21.21			
5	64QAM	1	12	21.36	20.84	20.92			
5	64QAM	1	24	21.25	21.28	21.15			
5	64QAM	12	0	20.31	20.24	20.03			
5	64QAM	12	7	20.31	20.21	20.12			
5	64QAM	12	13	20.39	20.20	20.12			
5	64QAM	25	0	20.35	20.24	20.13			
5	256QAM	1	0	17.82	17.85	17.45			
5	256QAM	1	12	17.87	17.86	17.45	19	5	
5	256QAM	1	24	17.72	17.83	17.32			
5	256QAM	12	0	17.81	18.03	17.85			
5	256QAM	12	7	18.01	17.89	17.76			
5	256QAM	12	13	17.80	17.83	17.86			
5	256QAM	25	0	17.83	17.77	17.58			

Band 41_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel									
				40140	40400	40670	41140		
Frequency (MHz)									
20	QPSK	1	0	22.77	22.78	22.66			
20	QPSK	1	49	22.80	22.82	22.79	24	0	
20	QPSK	1	99	22.82	23.07	22.93			
20	QPSK	50	0	21.86	22.04	21.87			
20	QPSK	50	50	21.85	22.02	21.98			
20	QPSK	100	0	21.97	22.12	21.97			
20	16QAM	1	0	21.90	22.10	21.84			
20	16QAM	1	49	21.90	22.00	21.92	23	1	
20	16QAM	1	99	21.92	22.19	22.06			
20	16QAM	50	0	20.86	21.05	20.87			
20	16QAM	50	24	21.00	21.14	20.91			
20	16QAM	100	0	20.97	21.13	20.92			
20	64QAM	1	0	20.76	20.89	20.88			
20	64QAM	1	49	20.81	20.95	20.78	22	2	
20	64QAM	1	99	20.76	20.91	20.82			
20	64QAM	50	0	19.91	20.08	19.91			
20	64QAM	50	24	20.04	20.16	19.95			
20	64QAM	50	50	20.03	20.18	20.06			
20	256QAM	1	0	17.46	17.69	17.74			



Reduced Power Mode for Receiver on

Band42_Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.29	20.39	20.35	21.5	0	
20	QPSK	1	49	20.24	20.38	20.33			
20	QPSK	1	99	20.21	20.31	20.22			
20	QPSK	50	0	20.25	20.37	20.30	21.5	0	
20	QPSK	50	24	20.16	20.27	20.26			
20	QPSK	50	50	20.11	20.13	20.23			
20	QPSK	100	0	20.22	20.33	20.27	21.5	0	
20	16QAM	1	0	20.15	20.25	20.34			
20	16QAM	1	49	20.12	20.23	20.32			
20	16QAM	1	99	20.10	20.15	20.29	21.5	0	
20	16QAM	50	0	20.11	20.19	20.29			
20	16QAM	50	24	20.09	20.17	20.29			
20	16QAM	50	50	20.03	20.04	20.24	21.5	0	
20	16QAM	100	0	20.06	20.12	20.29			
20	64QAM	1	0	19.98	20.05	20.15			
20	64QAM	1	49	19.93	20.03	20.13	21.5	0	
20	64QAM	1	99	19.88	19.93	20.08			
20	64QAM	50	0	19.73	19.81	19.90			
20	64QAM	50	24	19.73	19.82	19.90	21	0.5	
20	64QAM	50	50	19.66	19.68	19.84			
20	64QAM	100	0	19.70	19.73	19.88			
20	256QAM	1	0	17.33	17.79	17.81	19	2.5	
20	256QAM	1	49	17.32	17.66	17.60			
20	256QAM	1	99	17.54	17.70	17.73			
20	256QAM	50	0	17.57	18.06	18.00	19	2.5	
20	256QAM	50	24	17.57	18.02	18.02			
20	256QAM	50	50	17.62	17.99	18.01			
20	256QAM	100	0	17.58	17.88	17.91			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.09	20.15	20.26	21.5	0	
15	QPSK	1	37	20.06	20.10	20.21			
15	QPSK	1	74	20.04	20.12	20.21			
15	QPSK	36	0	20.24	20.34	20.30	21.5	0	
15	QPSK	36	20	20.20	20.29	20.37			
15	QPSK	36	39	20.19	20.26	20.35			
15	QPSK	75	0	20.23	20.30	20.38	21.5	0	
15	16QAM	1	0	20.23	20.30	20.38			
15	16QAM	1	37	20.16	20.21	20.35			
15	16QAM	1	74	20.16	20.29	20.35	21.5	0	
15	16QAM	36	0	20.19	20.30	20.29			
15	16QAM	36	20	20.18	20.25	20.34			
15	16QAM	36	39	20.16	20.25	20.31	21.5	0	
15	16QAM	75	0	20.21	20.32	20.31			
15	64QAM	1	0	19.89	20.01	20.09			
15	64QAM	1	37	19.87	19.95	20.05	21.5	0	
15	64QAM	1	74	19.87	19.97	20.04			
15	64QAM	36	0	19.74	19.82	19.92			
15	64QAM	36	20	19.71	19.80	19.90	21	0.5	
15	64QAM	36	39	19.66	19.80	19.87			
15	64QAM	75	0	19.72	19.82	19.90			
15	256QAM	1	0	17.33	17.63	17.71	19	2.5	
15	256QAM	1	37	17.36	17.58	17.51			
15	256QAM	1	74	17.59	17.49	17.58			
15	256QAM	36	0	17.52	17.69	17.99	19	2.5	
15	256QAM	36	20	17.52	17.69	17.87			
15	256QAM	36	39	17.69	17.83	17.84			
15	256QAM	75	0	17.63	17.70	17.96			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.05	19.93	19.98	21.5	0	
10	QPSK	1	25	20.06	20.16	20.06			
10	QPSK	1	49	19.94	19.87	20.05			
10	QPSK	25	0	20.30	20.32	20.31	21.5	0	
10	QPSK	25	12	20.02	20.06	20.38			
10	QPSK	25	25	20.08	20.06	20.09			
10	QPSK	50	0	20.20	20.24	20.25	21.5	0	
10	16QAM	1	0	20.25	20.29	20.20			
10	16QAM	1	25	20.01	19.99	20.29			
10	16QAM	1	49	20.13	20.32	20.15	21.5	0	
10	16QAM	25	0	20.19	20.09	20.33			
10	16QAM	25	12	19.92	20.27	20.21			
10	16QAM	25	25	20.13	20.09	20.37	21.5	0	
10	16QAM	50	0	20.04	20.37	20.22			
10	64QAM	1	0	19.77	19.86	20.05			
10	64QAM	1	25	19.81	19.76	20.02	21.5	0	
10	64QAM	1	49	19.71	20.03	20.07			
10	64QAM	25	0	19.50	19.71	19.76			
10	64QAM	25	12	19.48	19.80	19.63	21	0.5	
10	64QAM	25	25	19.62	19.87	19.92			
10	64QAM	50	0	19.68	19.59	19.65			
10	256QAM	1	0	17.29	17.48	17.52	19	2.5	
10	256QAM	1	25	17.29	17.36	17.30			
10	256QAM	1	49	17.52	17.31	17.51			
10	256QAM	25	0	17.57	17.78	17.76	19	2.5	
10	256QAM	25	12	17.58	17.67	17.88			
10	256QAM	25	25	17.60	17.79	17.90			
10	256QAM	50	0	17.56	17.44	17.74			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.09	20.34	20.11	21.5	0	
5	QPSK	1	12	20.06	20.15	20.32			
5	QPSK	1	24	19.95	20.18	20.15			
5	QPSK	12	0	20.31	20.10	20.11	21.5	0	
5	QPSK	12	7	20.06	20.18	20.10			
5	QPSK	12	13	20.10	20.00	20.07			
5	QPSK	25	0	20.01	20.29	20.13	21.5	0	
5	16QAM	1	0	20.07	19.99	20.20			
5	16QAM	1	12	20.00	20.25	20.35			
5	16QAM	1	24	20.12	20.21	20.12	21.5	0	
5	16QAM	12	0	19.93	20.09	20.14			
5	16QAM	12	7	19.86	19.89	20.25			
5	16QAM	12	13	19.78	19.81	19.96	21.5	0	
5	16QAM	25	0	19.84	20.03	20.23			
5	64QAM	1	0	20.04	20.12	19.88			
5	64QAM	1	12	19.79	19.82	19.97	21.5	0	
5	64QAM	1	24	19.79	19.68	19.86			
5	64QAM	12	0	19.52	19.89	19.89			
5	64QAM	12	7	19.68	19.85	19.74	21	0.5	
5	64QAM	12	13	19.41	19.66	19.86			
5	64QAM	25	0	19.52	19.77	19.67			
5	256QAM	1	0	17.38	17.82	17.56	19	2.5	
5	256QAM	1	12	17.33	17.59	17.49			
5	256QAM	1	24	17.53	17.55	17.67			
5	256QAM	12	0	17.62	17.80	17.83	19	2.5	
5	256QAM	12	7	17.50	17.80	17.81			
5	256QAM	12	13	17.44	17.90	17.75			
5	256QAM	25	0	17.52	17.67	17.82			

Reduced Power Mode for Hotspot on

GSM850_Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)								
GSM 1 Tx slot	29.91	30.20	30.03	31.50	20.91	21.20	21.03	22.50
GPRS 1 Tx slot	29.89	30.18	30.01	31.50	20.89	21.18	21.01	22.50
GPRS 2 Tx slots	27.68	27.85	27.72	29.00	21.68	21.85	21.72	23.00
GPRS 3 Tx slots	25.43	25.22	25.68	26.50	21.17	20.96	21.42	22.24
GPRS 4 Tx slots	22.92	23.34	23.22	24.50	19.92	20.34	20.22	21.50
EDGE 1 Tx slot	23.23	22.98	23.02	24.50	14.23	13.98	14.02	15.50
EDGE 2 Tx slots	21.22	21.05	20.98	22.50	15.22	15.05	14.98	16.50
EDGE 3 Tx slots	19.06	18.97	19.00	20.50	14.80	14.71	14.74	16.24
EDGE 4 Tx slots	16.43	16.45	16.43	18.00	13.43	13.45	13.43	15.00

GSM1900_Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1650.2	1660	1670.8		1650.2	1660	1670.8	
Frequency (MHz)								
GSM 1 Tx slot	24.57	24.63	24.60	26.00	15.57	15.63	15.60	17.00
GPRS 1 Tx slot	24.55	24.61	24.57	26.00	15.55	15.61	15.57	17.00
GPRS 2 Tx slots	22.55	22.50	22.47	23.50	16.55	16.50	16.47	17.50
GPRS 3 Tx slots	20.30	20.13	20.25	21.00	16.04	15.87	15.99	16.74
GPRS 4 Tx slots	17.80	17.83	17.77	19.00	14.80	14.83	14.77	16.00
EDGE 1 Tx slot	20.22	20.42	20.41	21.50	11.22	11.42	11.41	12.50
EDGE 2 Tx slots	18.34	18.45	18.55	19.50	12.34	12.45	12.55	13.50
EDGE 3 Tx slots	16.33	16.24	16.24	17.50	12.07	11.98	11.98	13.24
EDGE 4 Tx slots	14.06	14.19	13.99	15.00	11.06	11.19	10.99	12.00

Band	WCDMA II_Ant0			Tune-up Limit (dBm)	WCDMA V_Ant0			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	4132	4182	
Rx Channel	9662	9800	9938		4357	4407	4458	
Frequency (MHz)	1652.4	1660	1670.8		2214	2224	2234	
3GPP Rel 99 AMR 12.2Kbps	14.61	14.60	14.55	16.00	20.39	20.45	20.43	21.50
3GPP Rel 99 RMC 12.2Kbps	14.84	14.62	14.59	16.00	20.41	20.47	20.46	21.50
3GPP Rel 6 HSDPA Subtest-1	13.65	13.70	13.61	15.00	19.37	19.45	19.41	20.50
3GPP Rel 6 HSDPA Subtest-2	13.66	13.74	13.61	15.00	19.39	19.38	19.46	20.50
3GPP Rel 6 HSDPA Subtest-3	13.10	13.22	13.14	14.50	18.92	18.91	18.93	20.00
3GPP Rel 6 HSDPA Subtest-4	13.12	13.27	13.19	14.50	18.87	18.91	18.94	20.00
3GPP Rel 6 DC-HSDPA Subtest-1	13.57	13.64	13.55	15.00	19.30	19.40	19.37	20.50
3GPP Rel 6 DC-HSDPA Subtest-2	13.51	13.61	13.58	15.00	19.24	19.33	19.35	20.50
3GPP Rel 6 DC-HSDPA Subtest-3	13.01	13.19	13.04	14.50	18.74	18.89	18.80	20.00
3GPP Rel 6 DC-HSDPA Subtest-4	13.00	13.17	13.06	14.50	18.75	18.85	18.83	20.00
3GPP Rel 6 HSUPA Subtest-1	13.75	13.65	13.75	15.00	19.37	19.43	19.40	20.50
3GPP Rel 6 HSUPA Subtest-2	11.57	11.70	11.90	13.00	17.36	17.39	17.43	18.50
3GPP Rel 6 HSUPA Subtest-3	12.64	12.79	12.67	14.00	18.36	18.39	18.44	19.50
3GPP Rel 6 HSUPA Subtest-4	11.67	11.56	11.49	13.00	17.37	17.44	17.38	18.50
3GPP Rel 6 HSUPA Subtest-5	13.60	13.50	13.50	15.00	19.40	19.40	19.40	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	11.70	11.60	11.60	12.50	17.10	17.20	17.00	18.00



Band 2_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)		
Channel				1860	1868	1900				
20	QPSK	1	0	15.07	15.13	15.03				
20	QPSK	1	49	14.93	14.99	14.89		16.5	0	
20	QPSK	1	99	14.85	14.92	14.86				
20	QPSK	50	0	15.05	15.10	15.00				
20	QPSK	50	24	14.93	15.00	14.94				
20	QPSK	50	50	15.01	15.00	14.98				
20	QPSK	100	0	15.02	15.07	14.99				
20	QPSK	100	24	14.90	14.97	14.91				
20	QPSK	100	49	14.96	15.01	14.95		16.5	0	
20	16QAM	1	99	14.85	14.90	14.77				
20	16QAM	50	0	15.10	14.91	14.85				
20	16QAM	50	24	14.96	14.87	14.92				
20	16QAM	50	50	14.87	14.90	14.75				
20	16QAM	100	0	14.92	14.95	14.88				
20	16QAM	100	24	14.98	14.94	15.10				
20	64QAM	1	49	14.99	15.04	15.07		16.5	0	
20	64QAM	50	0	15.09	14.97	15.05				
20	64QAM	50	24	15.04	14.90	15.02				
20	64QAM	50	50	14.93	14.90	14.98				
20	64QAM	100	0	14.96	15.03	14.94				
20	256QAM	1	49	15.01	14.96	14.97		16.5	0	
20	256QAM	1	99	15.07	15.06	15.06				
20	256QAM	50	24	14.94	14.90	15.05				
20	256QAM	50	50	15.05	14.98	15.07				
20	256QAM	100	0	15.03	14.96	15.02				
20	256QAM	100	24	14.95	14.98	14.98				
20	256QAM	100	49	14.91	14.90	15.15				
Channel				1897	1890	1925	Turn-up Time (min)	MPR (dB)		
5	QPSK	1	0	14.84	15.03	14.77				
5	QPSK	1	49	14.89	14.96	14.78		16.5	0	
5	QPSK	1	74	14.89	14.74	14.72				
5	QPSK	36	0	15.07	14.97	14.81				
5	QPSK	36	24	14.88	14.84	14.84				
5	QPSK	36	39	14.79	14.72	14.67				
5	QPSK	75	0	15.04	14.90	14.86				
5	16QAM	1	74	14.90	14.86	14.96		16.5	0	
5	16QAM	1	37	14.98	14.83	14.86				
5	16QAM	1	74	14.85	14.87	14.92				
5	16QAM	36	24	14.96	14.70	14.77				
5	16QAM	36	39	14.87	14.91	14.94		16.5	0	
5	16QAM	75	0	14.93	14.83	14.74				
5	64QAM	1	0	14.83	14.80	14.95				
5	64QAM	1	49	14.89	14.80	14.88		16.5	0	
5	64QAM	1	74	14.77	14.85	14.95				
5	64QAM	36	0	14.80	14.88	15.04				
5	64QAM	36	24	14.82	14.78	14.86				
5	64QAM	36	39	14.83	14.85	14.73				
5	64QAM	75	0	14.88	14.80	14.78				
5	256QAM	1	37	14.82	14.80	14.77				
5	256QAM	1	74	15.08	14.84	14.90		16.5	0	
5	256QAM	36	24	14.86	14.84	14.80				
5	256QAM	36	39	14.78	14.72	14.77				
5	256QAM	75	0	14.99	14.75	14.89		16.5	0	
5	256QAM	100	0	14.83	14.80	14.87				
Channel				1895	1890	1905	Turn-up Time (min)	MPR (dB)		
10	QPSK	1	0	14.89	14.87	14.88				
10	QPSK	1	25	14.89	15.00	14.58				
10	QPSK	1	49	14.89	14.61	14.66		16.5	0	
10	QPSK	1	74	14.89	14.61	14.66				
10	QPSK	25	12	14.78	14.89	14.84				
10	QPSK	25	25	14.83	14.70	14.67				
10	QPSK	25	39	14.82	14.70	14.75				
10	16QAM	1	0	14.88	15.00	14.94				
10	16QAM	1	24	14.88	14.82	14.78				
10	16QAM	1	49	14.83	14.83	14.88				
10	16QAM	1	74	14.83	14.83	14.88				
10	16QAM	25	12	15.01	14.62	14.67				
10	16QAM	25	25	14.95	14.88	14.78		16.5	0	
10	16QAM	25	39	14.83	14.70	14.58				
10	16QAM	100	0	14.92	14.91	14.80				
10	64QAM	1	0	14.83	14.80	14.84				
10	64QAM	1	49	14.88	14.77	14.81				
10	64QAM	1	74	14.88	14.83	14.80				
10	64QAM	25	12	14.82	14.78	14.95				
10	64QAM	25	25	14.72	14.89	14.72				
10	64QAM	25	39	14.85	14.72	14.78				
10	256QAM	1	25	15.04	14.82	14.74		16.5	0	
10	256QAM	1	49	14.84	14.82	14.74				
10	256QAM	1	74	14.99	14.75	14.78				
10	256QAM	25	12	14.85	14.78	15.08				
10	256QAM	25	25	15.04	14.72	14.74		16.5	0	
10	256QAM	25	39	14.79	14.84	14.97				
Channel				1892	1890	1917.5	Turn-up Time (min)	MPR (dB)		
3	QPSK	1	0	14.92	14.87	14.86				
3	QPSK	1	12	15.02	14.87	14.86				
3	QPSK	1	24	14.91	14.71	14.58		16.5	0	
3	QPSK	1	48	14.83	14.85	14.84				
3	QPSK	12	7	14.84	14.70	14.96				
3	QPSK	12	13	14.96	14.99	14.69				
3	16QAM	1	0	14.87	14.77	14.94				
3	16QAM	1	7	15.11	15.12	14.83				
3	16QAM	1	12	14.75	14.89	14.77				
3	16QAM	1	18	14.83	14.80	14.83				
3	16QAM	12	0	14.84	14.84	14.80				
3	16QAM	12	7	14.90	14.69	14.97				
3	16QAM	12	14	14.74	14.83	14.71		16.5	0	
3	16QAM	25	0	14.74	14.78	14.82				
3	16QAM	1	0	14.76	14.72	15.04				
3	16QAM	1	7	14.89	14.80	14.78		16.5	0	
3	16QAM	1	24	14.93	14.68	15.05				
3	16QAM	12	0	14.99	14.96	14.98				
3	16QAM	12	7	14.99	14.84	14.78				
3	16QAM	12	14	14.72	14.93	14.94				
3	16QAM	25	0	15.01	14.72	14.86				
3	256QAM	1	0	14.81	14.81	14.89				
3	256QAM	1	12	14.80	14.78	14.80		16.5	0	
3	256QAM	1	24	14.89	14.85	14.94				
3	256QAM	12	7	15.02	14.81	14.72				
3	256QAM	12	13	15.02	14.94	14.72		16.5	0	
3	256QAM	12	14	14.99	14.87	14.81				
Channel				1891	1890	1916.5	Turn-up Time (min)	MPR (dB)		
1.4	QPSK	1	0	14.77	14.95	15.03				
1.4	QPSK	1	3	14.72	14.81	14.99				
1.4	QPSK	1	5	14.82	14.94	14.81		16.5	0	
1.4	QPSK	1	7	14.85	14.96	15.00				
1.4	QPSK	3	1	14.77	14.85	14.75				
1.4	QPSK	3	3	14.72	14.85	14.75				
1.4	QPSK	3	5	14.88	14.88	14.75		16.5	0	
1.4	16QAM	1	0	14.87	14.85	14.81				
1.4	16QAM	1	3	14.54	14.87	14.58				
1.4	16QAM	1	5	14.97	14.87	14.87				
1.4	16QAM	1	7	14.65	14.80	14.80		16.5	0	
1.4	16QAM	3	1	14.67	14.78	14.81				
1.4	16QAM	3	3	14.89	14.56	14.73		16.5	0	
1.4	64QAM	1	0	14.87	14.72	14.80				
1.4	64QAM	1	3	14.87	14.63	15.09				
1.4	64QAM	1	5	14.77	14.73	15.03		16.5	0	
1.4	64QAM	3	1	14.86	14.67	14.86				
1.4	64QAM	3	3	14.87	14.63	15.09				
1.4	256QAM	1	0	14.88	14.80	14.86		16.5	0	
1.4	256QAM	1	3	14.82	14.85	15.07				
1.4	256QAM	3	1	14.76	14.73	14.96				
1.4	256QAM	3	3	14.84	14.68	14.94				
1.4	256QAM	6	0	14.80	14.70	14.79		16.5	0	

Band 5_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)		
Channel				829	836.5	844				
10	QPSK	1	0	21.22	21.20	21.17				
10	QPSK	1	25	21.10	21.09	21.12		22.5	0	
10	QPSK	1	49	21.07	21.06	21.04				
10	QPSK	25	0	21.19	21.17	21.14				
10	QPSK	25	12	21.14	21.09	21.07				
10	QPSK	25	25	21.10	21.11	21.08				
10	QPSK	50	0	21.13	21.10	21.10				
10	16QAM	1	25	21.12	21.01	21.05		22.5	0	
10	16QAM	1	49	21.13	21.02	21.06				
10	16QAM	1	74	20.70	20.70	20.68				
10	16QAM	25	0	20.78	20.72	20.58		22	0.5	
10	16QAM	25								



Band 38_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	20.03	19.95	19.90			
20	QPSK	1	49	20.06	19.89	19.95			
20	QPSK	1	99	20.01	19.94	19.91	21	0	
20	QPSK	50	0	20.05	19.92	19.95			
20	QPSK	24	0	19.94	19.89	19.90			
20	QPSK	50	50	19.94	19.89	19.94			
20	QPSK	100	0	20.01	19.90	19.91			
20	16QAM	1	0	20.03	20.04	19.89			
20	16QAM	1	49	19.95	19.95	20.02	21	0	
20	16QAM	1	99	20.01	20.01	20.02			
20	16QAM	50	0	19.84	19.92	19.92			
20	16QAM	50	24	20.03	20.03	19.97			
20	16QAM	100	0	20.00	20.05	19.98			
20	64QAM	1	0	19.84	19.94	20.03			
20	64QAM	1	49	19.94	19.99	20.06	21	0	
20	64QAM	1	99	20.01	20.05	20.02			
20	64QAM	50	0	19.85	19.92	19.79			
20	64QAM	50	24	19.97	19.91	19.96	21	0	
20	64QAM	50	50	19.95	20.05	19.99			
20	256QAM	1	0	17.79	17.94	17.73			
20	256QAM	1	49	17.80	17.82	17.84	19	2	
20	256QAM	1	99	17.87	17.80	17.80			
20	256QAM	50	0	18.00	17.96	17.90			
20	256QAM	50	24	18.17	17.96	17.91	19	2	
20	256QAM	50	50	18.09	17.95	17.92			
20	256QAM	100	0	18.06	17.88	17.75			
Channel				37850	38000	38150			
Frequency (MHz)									
15	QPSK	1	0	19.98	19.77	19.99			
15	QPSK	1	37	19.89	19.61	19.94	21	0	
15	QPSK	1	74	19.74	19.98	19.73			
15	QPSK	36	0	19.83	19.77	19.85			
15	QPSK	36	20	19.79	19.81	19.59			
15	QPSK	36	39	19.97	19.83	19.90	21	0	
15	QPSK	75	0	19.70	19.94	19.93			
15	16QAM	1	0	19.79	19.95	19.95			
15	16QAM	1	37	19.80	19.91	19.73	21	0	
15	16QAM	1	74	19.95	19.71	19.89			
15	16QAM	36	0	19.77	19.73	19.81			
15	16QAM	36	20	19.79	19.93	19.84	21	0	
15	16QAM	36	39	19.72	19.71	20.01			
15	16QAM	75	0	19.85	19.67	19.84			
15	64QAM	1	0	19.68	19.77	19.84			
15	64QAM	1	37	19.87	19.89	20.09	21	0	
15	64QAM	1	74	19.95	19.74	19.86			
15	64QAM	36	0	19.87	19.81	19.60			
15	64QAM	36	20	19.90	19.78	19.88	21	0	
15	64QAM	36	39	19.87	19.83	19.81			
15	64QAM	75	0	19.88	19.73	19.96			
15	256QAM	1	0	17.74	17.74	17.77			
15	256QAM	1	37	17.33	17.64	17.56	19	2	
15	256QAM	1	74	17.82	17.74	17.58			
15	256QAM	36	0	17.87	17.89	17.76			
15	256QAM	36	20	17.87	17.70	17.74	19	2	
15	256QAM	36	39	17.86	17.87	17.77			
15	256QAM	75	0	17.80	17.67	17.64			
Channel				37850	38000	38225			
Frequency (MHz)									
10	QPSK	1	0	19.78	19.82	20.04			
10	QPSK	1	25	20.01	19.98	20.00	21	0	
10	QPSK	1	50	20.00	19.99	19.79			
10	QPSK	25	0	19.99	19.75	19.91			
10	QPSK	25	12	19.98	19.76	19.73	21	0	
10	QPSK	25	25	19.84	19.80	19.67			
10	QPSK	50	0	20.00	19.82	19.77			
10	16QAM	1	0	20.03	19.84	19.91			
10	16QAM	1	25	20.01	19.99	19.82	21	0	
10	16QAM	1	49	20.01	19.73	20.01			
10	16QAM	25	0	19.87	19.88	19.84			
10	16QAM	25	12	19.74	20.01	19.83	21	0	
10	16QAM	25	25	19.88	19.70	20.04			
10	16QAM	50	0	19.98	19.80	19.87			
10	16QAM	50	12	19.79	19.86	19.76	21	0	
10	64QAM	1	0	19.75	19.93	19.95			
10	64QAM	1	49	19.71	19.91	20.04			
10	64QAM	25	0	19.64	19.67	19.88			
10	64QAM	25	12	19.87	19.64	19.85	21	0	
10	64QAM	25	25	19.68	19.90	19.85			
10	64QAM	50	0	19.93	19.95	19.79			
10	256QAM	1	0	17.64	17.67	17.68			
10	256QAM	1	25	17.42	17.63	17.70	19	2	
10	256QAM	1	49	17.73	17.70	17.59			
10	256QAM	25	0	17.82	17.84	17.77			
10	256QAM	25	12	18.17	17.75	17.71	19	2	
10	256QAM	25	25	17.80	17.76	17.87			
10	256QAM	50	0	18.11	17.72	17.70			
Channel				37775	38000	38225			
Frequency (MHz)									
5	QPSK	1	0	19.99	19.84	19.93			
5	QPSK	1	12	19.77	19.78	19.85	21	0	
5	QPSK	1	24	19.95	19.68	19.95			
5	QPSK	12	0	19.75	19.67	20.00			
5	QPSK	12	7	19.82	19.92	19.70	21	0	
5	QPSK	12	13	19.82	19.76	19.84			
5	QPSK	25	0	19.81	19.73	19.71			
5	16QAM	1	0	20.00	19.81	19.85			
5	16QAM	1	12	19.81	19.75	19.91	21	0	
5	16QAM	25	0	19.85	19.92	19.97			
5	16QAM	12	0	19.95	19.82	19.78			
5	16QAM	12	7	20.04	20.08	19.71	21	0	
5	16QAM	12	13	20.04	20.02	19.83			
5	64QAM	1	0	19.89	19.73	19.75			
5	64QAM	1	12	19.91	19.88	19.87	21	0	
5	64QAM	1	24	20.05	20.04	19.91			
5	64QAM	12	0	19.86	19.63	19.83			
5	64QAM	12	7	19.75	19.82	19.81	21	0	
5	64QAM	12	13	19.79	19.86	19.93			
5	64QAM	25	0	19.76	19.98	19.69			
5	256QAM	1	0	17.59	17.95	17.45			
5	256QAM	1	12	17.63	17.62	17.83	19	2	
5	256QAM	1	24	17.91	17.53	17.54			
5	256QAM	12	0	17.97	17.88	17.80			
5	256QAM	12	7	17.86	17.92	17.74	19	2	
5	256QAM	12	13	18.10	17.86	17.91			
5	256QAM	25	0	18.05	17.70	17.66			

Band 41_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)									
20	QPSK	1	0	19.77	20.00	20.03			
20	QPSK	1	49	19.83	19.95	20.03			
20	QPSK	1	99	19.98	20.11	20.04	21	0	
20	QPSK	50	0	19.90	19.91	20.00			
20	QPSK	50	20	19.95	20.00	20.01			
20	QPSK	50	50	19.85	20.04	19.97			
20	QPSK	100	0	19.92	20.08	20.02			
20	16QAM	1	0	19.90	19.90	19.96			
20	16QAM	1	49	19.95	19.95	19.99	21	0	
20	16QAM	1	99	19.89	19.99	19.95			
20	16QAM	50	0	19.74	19.89	19.88			
20	16QAM	50	24	19.82	19.94	19.99	21	0	
20	16QAM	100	0	19.78	19.87	19.82			
20	64QAM	1	0	19.81	19.81	19.86			
20	64QAM	1	49	19.96	19.82	19.89	21	0	
20	64QAM	1	99	19.98	19.91	19.88			
20	64QAM	50	0	19.87	19.84	19.87			
20	64QAM	50	24	19.87	19.88	19.88	21	0	
20	64QAM	50	50	19.81	19.92	19.95			
20	256QAM	1	0	17.68	17.96	17.73			
20	256QAM	1	49	17.53	17.				

Reduced Power Mode for Sensor on

GSM850_Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)								
GSM 1 Tx slot	29.91	30.20	30.03	31.50	20.91	21.20	21.03	22.50
GPRS 1 Tx slot	29.89	30.18	30.01	31.50	20.89	21.18	21.01	22.50
GPRS 2 Tx slots	27.68	27.85	27.72	29.00	21.68	21.85	21.72	23.00
GPRS 3 Tx slots	25.43	25.22	25.68	26.50	21.17	20.96	21.42	22.24
GPRS 4 Tx slots	22.92	23.34	23.22	24.50	19.92	20.34	20.22	21.50
EDGE 1 Tx slot	23.23	22.98	23.02	24.50	14.23	13.98	14.02	15.50
EDGE 2 Tx slots	21.22	21.05	20.98	22.50	15.22	15.05	14.98	16.50
EDGE 3 Tx slots	19.06	18.97	19.00	20.50	14.80	14.71	14.74	16.24
EDGE 4 Tx slots	16.43	16.45	16.43	18.00	13.43	13.45	13.43	15.00

GSM1900_Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1527.2	1530	1507.8		1527.2	1530	1507.8	
Frequency (MHz)								
GSM 1 Tx slot	25.67	25.70	25.73	27.00	16.67	16.70	16.73	18.00
GPRS 1 Tx slot	25.65	25.69	25.76	27.00	16.65	16.69	16.76	18.00
GPRS 2 Tx slots	23.48	23.40	23.42	24.50	17.48	17.40	17.42	18.50
GPRS 3 Tx slots	21.13	21.22	21.28	22.00	16.87	16.96	17.02	17.74
GPRS 4 Tx slots	18.92	18.91	18.81	20.00	15.92	15.91	15.81	17.00
EDGE 1 Tx slot	21.81	21.72	21.80	22.50	12.81	12.72	12.80	13.50
EDGE 2 Tx slots	19.66	19.58	19.69	20.50	13.66	13.58	13.69	14.50
EDGE 3 Tx slots	17.53	17.45	17.49	18.50	13.27	13.19	13.22	14.24
EDGE 4 Tx slots	15.44	15.33	15.43	16.00	12.44	12.33	12.43	13.00

Band	WCDMA II_Ant0			Tune-up Limit (dBm)	WCDMA V_Ant0			Tune-up Limit (dBm)
	9262	9400	9538		4132	4182	4233	
TX Channel	9662	9800	9938		4357	4407	4458	
Rx Channel	1527.2	1530	1507.8		229.4	239.4	249.6	
Frequency (MHz)								
3GPP Rel 99	AMR 12.2Kbps	16.70	16.68	16.65	18.00	20.39	20.45	20.43
3GPP Rel 99	RMTC 12.2Kbps	16.71	16.70	16.67	18.00	20.41	20.47	20.46
3GPP Rel 6	HSDPA Subtest-1	15.65	15.67	15.66	17.00	19.37	19.45	19.41
3GPP Rel 6	HSDPA Subtest-2	15.66	15.59	15.64	17.00	19.39	19.38	19.46
3GPP Rel 6	HSDPA Subtest-3	15.16	15.17	15.13	16.50	18.92	18.91	18.93
3GPP Rel 6	HSDPA Subtest-4	14.85	15.19	15.18	16.50	18.87	18.91	18.94
3GPP Rel 8	DC-HSDPA Subtest-1	15.54	15.59	15.57	17.00	19.30	19.40	19.37
3GPP Rel 8	DC-HSDPA Subtest-2	15.49	15.57	15.59	17.00	19.24	19.33	19.35
3GPP Rel 8	DC-HSDPA Subtest-3	15.14	15.13	15.09	16.50	18.74	18.89	18.80
3GPP Rel 8	DC-HSDPA Subtest-4	14.96	15.03	15.03	16.50	18.75	18.85	18.83
3GPP Rel 6	HSUPA Subtest-1	15.68	15.55	15.62	17.00	19.37	19.43	19.40
3GPP Rel 6	HSUPA Subtest-2	13.67	13.67	13.70	15.00	17.36	17.39	17.43
3GPP Rel 6	HSUPA Subtest-3	14.71	14.65	14.69	16.00	18.36	18.39	18.44
3GPP Rel 6	HSUPA Subtest-4	13.72	13.73	13.72	15.00	17.37	17.44	17.38
3GPP Rel 6	HSUPA Subtest-5	15.70	15.70	15.70	17.00	19.40	19.40	19.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.30	13.20	13.26	14.50	17.10	17.20	17.00



Band 2_Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)		
Channel										
Frequency (MHz)	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)			
20	QPSK	1	0	17.35	17.35	17.29				
20	QPSK	1	49	17.22	17.24	17.24				
20	QPSK	1	99	17.28	17.28	17.20		18.5	0	
20	QPSK	50	0	17.32	17.34	17.27				
20	QPSK	50	24	17.25	17.25	17.23				
20	QPSK	50	50	17.26	17.30	17.22				
20	QPSK	100	0	17.30	17.32	17.27				
20	QPSK	100	24	17.31	17.30	17.20				
20	16QAM	1	49	17.31	17.29	17.11		18.5	0	
20	16QAM	1	99	17.34	17.28	17.08				
20	16QAM	50	0	17.15	17.15	17.09				
20	16QAM	50	24	17.21	17.11	17.09		18.5	0	
20	16QAM	50	50	17.19	17.30	17.16				
20	16QAM	100	0	17.18	17.02	17.20				
20	16QAM	100	24	17.08	17.26	17.29				
20	16QAM	100	50	17.10	17.30	17.30		18.5	0	
20	16QAM	200	0	17.29	17.10	17.20				
20	16QAM	200	24	17.25	17.18	17.09				
20	16QAM	200	50	17.21	17.14	17.12				
20	16QAM	400	0	17.21	17.14	17.12				
20	25QAM	1	49	16.91	17.25	17.32				
20	25QAM	1	99	17.20	17.67	17.20		18.5	0	
20	25QAM	50	0	16.83	17.07	17.15				
20	25QAM	50	24	17.02	17.24	17.24				
20	25QAM	50	50	16.89	17.29	17.10		18.5	0	
20	25QAM	100	0	16.95	17.69	16.79				
20	25QAM	100	24	16.91	17.60	17.10				
Channel										
Frequency (MHz)	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)			
15	QPSK	1	0	17.17	17.09	17.08				
15	QPSK	1	24	17.20	17.20	17.08		18.5	0	
15	QPSK	1	74	17.22	17.21	16.92				
15	QPSK	36	0	17.07	17.07	17.02				
15	QPSK	36	24	17.21	17.19	17.12				
15	QPSK	36	39	17.12	17.08	17.07		18.5	0	
15	QPSK	75	0	17.13	17.09	17.08				
15	16QAM	1	49	17.18	17.11	17.11		18.5	0	
15	16QAM	1	99	17.13	17.09	17.04				
15	16QAM	1	74	17.14	17.14	17.06				
15	16QAM	36	0	16.93	17.02	17.06		18.5	0	
15	16QAM	36	24	17.19	17.01	16.99				
15	16QAM	36	39	17.09	17.09	17.06				
15	16QAM	75	0	16.89	16.74	17.16				
15	16QAM	1	0	16.87	17.33	17.09				
15	16QAM	1	24	16.86	16.86	16.86		18.5	0	
15	16QAM	1	74	16.96	17.21	17.09				
15	16QAM	36	0	16.86	16.87	17.11				
15	16QAM	36	24	16.94	16.94	16.94		18.5	0	
15	16QAM	36	39	17.06	16.98	17.12				
15	16QAM	75	0	17.21	17.13	16.81				
15	25QAM	1	37	16.83	16.97	17.07		18.5	0	
15	25QAM	1	74	17.11	16.87	17.09				
15	25QAM	50	0	17.04	16.84	16.87				
15	25QAM	50	24	16.85	16.92	17.12		18.5	0	
15	25QAM	50	39	16.82	16.80	16.89				
15	25QAM	100	0	17.08	16.80	16.87				
Channel										
Frequency (MHz)	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)			
10	QPSK	1	0	17.12	17.12	17.12				
10	QPSK	1	24	17.04	17.04	17.04		18.5	0	
10	QPSK	1	49	17.13	17.09	17.11				
10	QPSK	1	74	17.15	17.15	17.14				
10	QPSK	25	0	17.01	17.01	17.10				
10	QPSK	25	24	16.95	17.17	17.15		18.5	0	
10	QPSK	25	49	17.06	17.06	17.08				
10	16QAM	1	0	17.06	16.99	16.99				
10	16QAM	1	24	17.15	17.25	16.83		18.5	0	
10	16QAM	1	49	17.08	17.08	16.96				
10	16QAM	1	74	17.12	17.19	17.07				
10	16QAM	25	0	17.11	17.12	17.03		18.5	0	
10	16QAM	25	24	16.92	16.90	16.93				
10	16QAM	25	49	17.22	17.09	17.08				
10	16QAM	50	0	16.78	17.07	17.20		18.5	0	
10	16QAM	50	24	16.81	16.82	16.98				
10	16QAM	50	49	17.04	17.01	17.00				
10	16QAM	25	0	17.09	17.19	17.16				
10	16QAM	25	24	16.97	16.97	16.97		18.5	0	
10	16QAM	25	49	16.98	17.09	17.15				
10	16QAM	50	0	16.95	16.99	17.08				
10	16QAM	50	24	16.94	16.94	16.94		18.5	0	
10	16QAM	50	49	16.94	16.94	16.94				
10	25QAM	1	26	16.71	16.97	17.04		18.5	0	
10	25QAM	1	49	17.02	17.07	17.14				
10	25QAM	50	0	16.91	16.98	17.17				
10	25QAM	50	24	16.84	17.02	16.83		18.5	0	
10	25QAM	50	49	17.13	16.94	16.92				
Channel										
Frequency (MHz)	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Turn-up Time (min)	MPR (dB)			
5	QPSK	1	0	16.92	16.90	16.95				
5	QPSK	1	24	16.93	16.90	16.95		18.5	0	
5	QPSK	1	49	17.04	17.04	17.04				
5	QPSK	1	74	17.04	17.04	17.04				
5	QPSK	12	0	17.04	17.04	17.04		18.5	0	
5	QPSK	12	24	17.04	17.04	17.04				
5	QPSK	12	49	17.04	17.04	17.04				
5	QPSK	12	74	17.04	17.04	17.04				
5	QPSK	25	0	17.04	17.04	17.04		18.5	0	
5	QPSK	25	24	17.04	17.04	17.04				
5	QPSK	25	49	17.04	17.04	17.04				
5	QPSK	25	74	17.04	17.04	17.04				
5	QPSK	50	0	17.04	17.04	17.04		18.5	0	
5	QPSK	50	24	17.04	17.04	17.04				
5	QPSK	50	49	17.04	17.04	17.04				
5	QPSK	50	74	17.04	17.04	17.04				
5	QPSK	100	0	17.04	17.04	17.04		18.5	0	
5	QPSK	100	24	17.04	17.04	17.04				
5	QPSK	100	49	17.04	17.04	17.04				
5	QPSK	100	74	17.04	17.04	17.04				
5	QPSK	200	0	17.04	17.04	17.04		18.5	0	
5	QPSK	200	24	17.04	17.04	17.04				
5	QPSK	200	49	17.04	17.04	17.04				
5	QPSK	200	74	17.04	17.04	17.04				
5	QPSK	400	0	17.04	17.04	17.04		18.5	0	
5	QPSK	400	24	17.04	17.04	17.04				
5	QPSK	400	49	17.04	17.04	17.04				
5	QPSK	400	74	17.04	17.04	17.04				
5	QPSK	800	0	17.04	17.04	17.04		18.5	0	
5	QPSK	800	24	17.04	17.04	17.04				
5	QPSK	800	49	17.04	17.04	17.04				
5	QPSK	800	74	17.04	17.04	17.04				
5	QPSK	1600	0	17.04	17.04	17.04		18.5	0	
5	QPSK	1600	24	17.04	17.04	17.04				
5	QPSK	1600	49	17.04	17.04	17.04				
5	QPSK	1600	74	17.04	17.04	17.04				
5	QPSK	3200	0	17.04	17.04	17.04		18.5	0	
5	QPSK	3200	24	17.04	17.04	17.04				
5	QPSK	3200	49	17.04	17.04	17.04				
5	QPSK	3200	74	17.04	17.04	17.04				
5	QPSK	6400	0	17.04	17.04	17.04		18.5	0	
5	QPSK	6400	24	17.04	17.04	17.04				
5	QPSK	6400	49	17.04	17.04	17.04				
5	QPSK	6400	74	17.04	17.04	17.04				
5	QPSK	12800	0	17.04	17.04	17.04		18.5	0	
5	QPSK	12800	24	17.04	17.04	17.04				
5	QPSK	12800	49	17.04	17.04	17.04				
5	QPSK	12800	74	17.04	17.04	17.04				
5	QPSK	25600	0	17.04	17.04	17.04		18.5	0	
5	QPSK	25600	24	17.04	17.04	17.04				
5	QPSK	25600	49	17.04	17.04	17.04				
5	QPSK	25600	74	17.04	17.04	17.04				
5	QPSK	51200	0	17.04	17.04	17.04		18.5	0	
5	QPSK	51200	24	17.04	17.04	17.04				
5	QPSK	51200	49	17.04	17.04	17.04				
5	QPSK	51200	74	17.04	17.04	17.04				
5	QPSK	102400	0	17.04	17.04	17.04		18.5	0	
5	QPSK	102400	24	17.04	17.04	17.04				
5	QPSK	102400	49	17.04	17.04	17.04				
5	QPSK	102400	74	17.04	17.04	17.04				



Band 38_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	20.03	19.95	19.90			
20	QPSK	1	49	20.06	19.89	19.95			
20	QPSK	1	99	20.01	19.94	19.91			
20	QPSK	50	0	20.05	19.92	19.95			
20	QPSK	24	0	19.94	19.99	19.90			
20	QPSK	50	50	19.94	19.89	19.94			
20	QPSK	100	0	20.01	19.90	19.91			
20	16QAM	1	0	20.03	20.04	19.89			
20	16QAM	1	49	19.95	19.95	20.02			
20	16QAM	1	99	20.01	20.01	20.02			
20	16QAM	50	0	19.84	19.92	19.92			
20	16QAM	50	24	20.03	20.03	19.97			
20	16QAM	100	0	20.00	20.05	19.98			
20	64QAM	1	0	19.84	19.94	20.03			
20	64QAM	1	49	19.94	19.99	20.06			
20	64QAM	1	99	20.01	20.05	20.06			
20	64QAM	50	0	19.85	19.92	19.79			
20	64QAM	50	24	19.97	19.91	19.96			
20	64QAM	50	50	19.95	20.05	19.99			
20	256QAM	1	0	17.79	17.94	17.73			
20	256QAM	1	49	17.80	17.82	17.84			
20	256QAM	1	99	17.87	17.80	17.80			
20	256QAM	50	0	18.00	17.96	17.90			
20	256QAM	50	24	18.17	17.96	17.91			
20	256QAM	50	50	18.09	17.95	17.92			
20	256QAM	100	0	18.06	17.88	17.75			
Channel				37850	38000	38150			
Frequency (MHz)									
15	QPSK	1	0	19.98	19.77	19.99			
15	QPSK	1	37	19.89	19.61	19.94			
15	QPSK	1	74	19.74	19.99	19.73			
15	QPSK	36	0	19.83	19.77	19.65			
15	QPSK	36	20	19.79	19.81	19.59			
15	QPSK	36	39	19.97	19.83	19.90			
15	QPSK	75	0	19.70	19.94	19.93			
15	16QAM	1	0	19.79	19.95	19.95			
15	16QAM	1	37	19.80	19.91	19.73			
15	16QAM	1	74	19.95	19.71	19.89			
15	16QAM	36	0	19.77	19.73	19.81			
15	16QAM	36	20	19.79	19.93	19.84			
15	16QAM	36	39	19.72	19.71	20.01			
15	16QAM	75	0	19.85	19.67	19.84			
15	64QAM	1	0	19.68	19.77	19.84			
15	64QAM	1	37	19.87	19.89	20.09			
15	64QAM	1	74	19.95	19.74	19.86			
15	64QAM	36	0	19.87	19.81	19.60			
15	64QAM	36	20	19.90	19.78	19.88			
15	64QAM	36	39	19.87	19.83	19.81			
15	64QAM	75	0	19.88	19.73	19.96			
15	256QAM	1	0	17.74	17.74	17.77			
15	256QAM	1	37	17.33	17.64	17.56			
15	256QAM	1	74	17.82	17.74	17.58			
15	256QAM	36	0	17.87	17.89	17.76			
15	256QAM	36	20	17.87	17.70	17.74			
15	256QAM	36	39	17.86	17.87	17.77			
15	256QAM	75	0	17.80	17.67	17.64			
Channel				37850	38000	38225			
Frequency (MHz)									
10	QPSK	1	0	19.78	19.82	20.04			
10	QPSK	1	25	20.01	19.98	20.00			
10	QPSK	1	50	20.00	19.99	19.79			
10	QPSK	25	0	19.99	19.75	19.91			
10	QPSK	25	12	19.98	19.76	19.73			
10	QPSK	25	25	19.84	19.80	19.67			
10	QPSK	50	0	20.00	19.82	19.77			
10	16QAM	1	0	20.03	19.84	19.91			
10	16QAM	1	25	20.01	19.99	19.82			
10	16QAM	1	49	20.01	19.73	20.01			
10	16QAM	25	0	19.87	19.88	19.84			
10	16QAM	25	12	19.74	20.01	19.83			
10	16QAM	25	25	19.88	19.70	20.04			
10	16QAM	50	0	19.98	19.80	19.87			
10	16QAM	50	12	19.79	19.86	19.76			
10	64QAM	1	0	19.75	19.93	19.95			
10	64QAM	1	49	19.71	19.91	20.04			
10	64QAM	25	0	19.64	19.67	19.88			
10	64QAM	25	12	19.87	19.64	19.85			
10	64QAM	25	25	19.68	19.90	19.85			
10	64QAM	50	0	19.93	19.95	19.79			
10	256QAM	1	0	17.64	17.67	17.68			
10	256QAM	1	25	17.42	17.63	17.70			
10	256QAM	1	49	17.73	17.70	17.59			
10	256QAM	25	0	17.82	17.84	17.77			
10	256QAM	25	12	18.17	17.75	17.71			
10	256QAM	25	25	17.80	17.76	17.87			
10	256QAM	50	0	18.11	17.72	17.70			
Channel				37775	38000	38225			
Frequency (MHz)									
5	QPSK	1	0	19.99	19.84	19.93			
5	QPSK	1	12	19.77	19.78	19.85			
5	QPSK	1	24	19.95	19.68	19.95			
5	QPSK	12	0	19.75	19.67	20.00			
5	QPSK	12	7	19.82	19.92	19.70			
5	QPSK	12	13	19.82	19.76	19.84			
5	QPSK	25	0	19.81	19.73	19.71			
5	16QAM	1	0	20.00	19.81	19.85			
5	16QAM	1	12	19.81	19.75	19.91			
5	16QAM	25	0	19.85	19.92	19.97			
5	16QAM	12	0	19.95	19.82	19.78			
5	16QAM	12	7	20.04	20.08	19.71			
5	16QAM	12	13	20.04	20.02	19.83			
5	64QAM	1	0	19.89	19.73	19.75			
5	64QAM	1	12	19.91	19.88	19.87			
5	64QAM	1	24	20.05	20.04	19.91			
5	64QAM	12	0	19.86	19.63	19.83			
5	64QAM	12	7	19.75	19.82	19.81			
5	64QAM	12	13	19.79	19.86	19.93			
5	64QAM	25	0	19.76	19.98	19.89			
5	256QAM	1	0	17.59	17.95	17.45			
5	256QAM	1	12	17.63	17.82	17.83			
5	256QAM	1	24	17.91	17.53	17.54			
5	256QAM	12	0	17.97	17.88	17.80			
5	256QAM	12	7	17.85	17.92	17.74			
5	256QAM	12	13	18.10	17.86	17.91			
5	256QAM	25	0	18.05	17.70	17.66			

Band 41_Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)									
20	QPSK	1	0	19.77	20.00	20.03			
20	QPSK	1	49	19.83	19.95	20.03			
20	QPSK	1	99	19.98	20.11	20.04			
20	QPSK	50	0	19.90	19.91	20.00			
20	QPSK	50	24	19.95	20.00	20.01			
20	QPSK	50	50	19.85	20.04	19.97			
20	QPSK	100	0	19.92	20.08	20.02			
20	16QAM	1	0	19.90	19.90	19.96			
20	16QAM	1	49	19.95	19.95	19.99			
20	16QAM	1	99	19.89	19.99	19.95			
20	16QAM	50	0	19.74	19.89	19.88			
20	16QAM	50	24	19.82	19.94	19.99			
20	16QAM	100	0	19.78	19.87	19.82			
20	64QAM	1	0	19.81	19.81	19.86			
20	64QAM	1	49	19.96	19.82	19.89			
20	64QAM	1	99	19.98	19.91	19.88			
20	64QAM	50	0	19.87	19.84	19.87			
20	64QAM	50	24	19.87	19.88	19.88			
20	64QAM	50	50	19.81	19.92	19.95			
20	256QAM	1	0	17.68	17.96	17.73			
20	256QAM	1	49	17.53	17.66	17.52			
20	256QAM	1	99	17.35	17.70	17.55			
20	256QAM	50	0	17.89					



Reduced Power Mode for Handheld on

Band		WCDMA II_Ant0			Tune-Up Limit (dBm)
TX Channel		9202	9400	9538	
Rx Channel		9652	9800	9938	Tune-Up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.23	20.19	20.12	21.50
3GPP Rel 99	RMC 12.2Kbps	20.26	20.21	20.14	21.50
3GPP Rel 6	HSDPA Subtest-1	19.20	19.16	19.13	20.50
3GPP Rel 6	HSDPA Subtest-2	19.22	19.28	19.12	20.50
3GPP Rel 6	HSDPA Subtest-3	18.70	18.69	18.68	20.00
3GPP Rel 6	HSDPA Subtest-4	18.72	18.66	18.66	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.07	19.02	19.03	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.08	19.15	19.01	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.63	18.57	18.54	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.63	18.59	18.50	20.00
3GPP Rel 6	HSUPA Subtest-1	19.26	19.21	19.16	20.50
3GPP Rel 6	HSUPA Subtest-2	17.14	17.13	17.21	18.50
3GPP Rel 6	HSUPA Subtest-3	18.27	18.21	18.24	19.50
3GPP Rel 6	HSUPA Subtest-4	17.26	17.16	17.17	18.50
3GPP Rel 6	HSUPA Subtest-5	19.20	19.20	19.10	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest1	17.30	17.20	17.20	18.00



Reduced Power Mode for Receiver on_ENDC

Band 7_Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	19.16	19.29	19.22				
20	QPSK	1	49	19.12	19.19	19.12	20.5	0		
20	QPSK	1	99	19.08	19.13	19.21				
20	QPSK	50	0	19.21	19.26	19.20				
20	QPSK	50	24	19.18	19.25	19.13				
20	QPSK	50	50	19.20	19.20	19.15	20.5	0		
20	QPSK	100	0	19.20	19.23	19.17				
20	16QAM	1	0	19.15	19.22	19.18				
20	16QAM	1	49	19.20	19.24	19.24	20.5	0		
20	16QAM	1	99	19.15	19.21	19.25				
20	16QAM	50	0	19.14	19.09	19.11				
20	16QAM	50	24	19.22	19.15	19.26				
20	16QAM	50	50	19.22	19.20	19.26	20.5	0		
20	16QAM	100	0	19.21	19.21	19.24				
20	16QAM	1	0	19.01	19.15	18.96				
20	16QAM	1	49	19.27	19.24	19.20	20.5	0		
20	16QAM	1	99	19.17	19.21	19.21				
20	16QAM	50	0	19.17	19.14	19.14				
20	16QAM	50	24	19.27	19.22	19.20				
20	16QAM	50	50	19.21	19.23	19.19	20.5	0		
20	16QAM	100	0	19.23	19.24	19.26				
20	256QAM	1	0	17.51	17.87	17.98				
20	256QAM	1	49	17.52	17.66	17.82	19	1.5		
20	256QAM	1	99	17.66	17.79	17.86				
20	256QAM	50	0	17.41	17.64	17.79				
20	256QAM	50	24	17.44	17.63	17.76	19	1.5		
20	256QAM	50	50	17.43	17.82	17.79				
20	256QAM	100	0	17.37	17.73	17.73				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	19.02	18.98	19.14	20.5	0		
15	QPSK	1	37	18.90	19.18	19.09				
15	QPSK	1	74	18.93	19.06	19.22				
15	QPSK	36	0	18.92	19.12	18.97				
15	QPSK	36	20	19.06	19.07	19.13	20.5	0		
15	QPSK	36	39	19.13	18.96	18.91				
15	QPSK	75	0	18.89	19.11	19.00				
15	16QAM	1	0	18.85	18.96	19.04				
15	16QAM	1	37	19.10	18.96	18.94	20.5	0		
15	16QAM	1	74	19.10	19.09	19.02				
15	16QAM	36	0	18.83	19.09	18.93				
15	16QAM	36	20	18.95	19.16	18.99	20.5	0		
15	16QAM	36	39	19.10	19.11	19.28				
15	16QAM	75	0	19.06	18.94	19.14				
15	16QAM	1	0	18.78	19.13	18.79				
15	16QAM	1	37	19.01	19.00	19.19	20.5	0		
15	16QAM	1	74	18.98	19.26	18.91				
15	16QAM	36	0	18.89	19.01	18.93				
15	16QAM	36	20	19.02	19.15	19.02	20.5	0		
15	16QAM	36	39	18.95	19.24	19.20				
15	16QAM	75	0	19.01	19.12	19.05				
15	256QAM	1	0	17.48	17.80	17.80				
15	256QAM	1	37	17.41	17.71	17.69	19	1.5		
15	256QAM	1	74	17.40	17.68	17.65				
15	256QAM	36	0	17.35	17.35	17.51				
15	256QAM	36	20	17.47	17.34	17.76	19	1.5		
15	256QAM	36	39	17.34	17.74	17.70				
15	256QAM	75	0	17.36	17.74	17.54				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.20	19.23	18.94	20.5	0		
10	QPSK	1	25	19.12	19.24	18.82				
10	QPSK	1	49	18.80	19.18	19.08				
10	QPSK	25	0	19.24	19.10	18.90				
10	QPSK	25	12	18.88	19.28	18.86	20.5	0		
10	QPSK	25	25	19.15	18.97	18.92				
10	QPSK	50	0	19.23	19.25	18.87				
10	16QAM	1	0	19.04	19.14	19.14				
10	16QAM	1	25	19.11	19.01	19.12	20.5	0		
10	16QAM	1	49	19.01	19.11	19.27				
10	16QAM	25	0	19.16	19.00	18.83				
10	16QAM	25	12	19.16	19.13	19.11	20.5	0		
10	16QAM	25	25	18.98	19.12	18.98				
10	16QAM	50	0	18.95	18.99	19.15				
10	16QAM	1	0	19.04	19.01	18.77	20.5	0		
10	16QAM	1	25	18.97	19.12	18.94				
10	16QAM	1	49	19.15	19.17	19.03				
10	16QAM	25	0	18.95	19.06	18.85				
10	16QAM	25	12	19.04	19.19	19.24	20.5	0		
10	16QAM	25	25	19.13	19.19	19.24				
10	16QAM	50	0	19.25	19.04	19.03				
10	256QAM	1	0	17.39	17.74	17.77				
10	256QAM	1	25	17.29	17.47	17.58	19	1.5		
10	256QAM	1	49	17.67	17.78	17.61				
10	256QAM	25	0	17.35	17.42	17.48				
10	256QAM	25	12	17.30	17.55	17.78	19	1.5		
10	256QAM	25	25	17.31	17.75	17.58				
10	256QAM	50	0	17.30	17.77	17.76				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	18.92	19.23	19.22	20.5	0		
5	QPSK	1	12	18.86	19.24	18.84				
5	QPSK	1	24	19.01	19.12	19.00				
5	QPSK	12	0	19.13	19.21	18.99				
5	QPSK	12	7	19.14	19.11	19.00	20.5	0		
5	QPSK	12	13	18.93	19.01	18.94				
5	QPSK	25	0	19.00	19.08	18.97				
5	16QAM	1	0	18.87	19.19	18.94				
5	16QAM	1	12	19.14	19.12	19.18	20.5	0		
5	16QAM	1	24	19.01	19.16	19.09				
5	16QAM	12	0	18.94	18.97	18.93				
5	16QAM	12	7	19.21	19.01	19.20	20.5	0		
5	16QAM	12	13	18.92	19.14	19.02				
5	16QAM	25	0	19.16	18.98	18.94				
5	16QAM	1	0	18.91	18.88	18.80	20.5	0		
5	16QAM	1	12	19.21	19.26	19.04				
5	16QAM	1	24	18.90	19.24	19.04				
5	16QAM	12	0	18.99	19.10	19.09				
5	16QAM	12	7	19.28	19.12	19.17	20.5	0		
5	16QAM	12	13	18.94	19.12	18.92				
5	16QAM	25	0	18.95	19.00	19.21				
5	256QAM	1	0	17.50	17.71	17.81				
5	256QAM	1	12	17.36	17.57	17.72	19	1.5		
5	256QAM	1	24	17.49	17.65	17.69				
5	256QAM	12	0	17.40	17.60	17.55				
5	256QAM	12	7	17.42	17.52	17.80	19	1.5		
5	256QAM	12	13	17.33	17.60	17.67				
5	256QAM	25	0	17.32	17.57	17.71				

Band 7_Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	14.71	14.78	14.86				
20	QPSK	1	49	14.63	14.68	14.74	16	0		
20	QPSK	1	99	14.70	14.70	14.78				
20	QPSK	50	0	14.74	14.82	14.83				
20	QPSK	50	24	14.71	14.75	14.81				
20	QPSK	50	50	14.70	14.74	14.82	16	0		
20	QPSK	100	0	14.73	14.76	14.80				
20	16QAM	1	0	14.52	14.56	14.62				
20	16QAM	1	49	14.51	14.58	14.58	16	0		
20	16QAM	1	99	14.68	14.71	14.69				
20	16QAM	50	0	14.76	14.78	14.79				
20	16QAM	50	24	14.73	14.74	14.78				
20	16QAM	50	50	14.76	14.79	14.81	16	0		
20	16QAM	100	0	14.65	14.67	14.77				
20	16QAM	1	0	14.67	14.80	14.81				
20	16QAM	1	49	14.65	14.76	14.75	16	0		
20	16QAM	1	99	14.83	14.78	14.76				
20	16QAM	50	0	14.72	14.71	14.71				
20	16QAM	50	24	14.68	14.65	14.78				
20	16QAM	50	50	14.74	14.69	14.81	16	0		
20	16QAM	100	0	14.75	14.73	14.80				
20	256QAM	1	0	14.35	14.39	14.47				
20	256QAM	1	49	14.32	14.37	14.43	16	0		
20	256QAM	1	99	14.41	14.44	14.47				
20	256QAM	50	0	14.76	14.85	14.78				
20	256QAM	5								



Reduced Power Mode for Handheld on_ENDC

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Band 5_Ant0 and Channel.

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Band 7_Ant1 and Channel.

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Band 7_Ant4 and Channel.



Uplink CA Power

CA_7C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.61	24.00
21100	20902	QPSK	1	0	0	0	1	0	Full Power	22.83	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.74	24.00
20850	21048	QPSK	50	0	0	0	1	0	Hotspot on	17.31	18.50
21100	20902	QPSK	50	0	0	0	1	0	Hotspot on	17.24	18.50
21350	21152	QPSK	50	0	0	0	1	0	Hotspot on	17.27	18.50
20850	21048	QPSK	50	0	0	0	1	0	Sensor on	17.31	18.50
21100	20902	QPSK	50	0	0	0	1	0	Sensor on	17.24	18.50
21350	21152	QPSK	50	0	0	0	1	0	Sensor on	17.27	18.50
20850	21048	QPSK	50	0	0	0	1	0	Handheld	21.33	22.50
21100	20902	QPSK	50	0	0	0	1	0	Handheld	21.28	22.50
21350	21152	QPSK	50	0	0	0	1	0	Handheld	21.30	22.50



Downlink CA Power

Full Power		2CC													
Configure	CA Configuration (BCS)	PCC						SCC				Power			
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)		
Inter-Band	CA_2A-5A	2	20	1880	18900	1	0	5	10	881.5	2525	22.62	22.70		
	CA_5A-7A	5	10	829	20450	1	0	7	20	2635.2	2902	22.50	22.79		
	CA_5A-38A	5	10	829	20450	1	0	38	20	2595	38000	22.52	22.79		
	CA_5A-41A	5	10	829	20450	1	0	41	20	2593	40620	22.48	22.79		
	CA_7A-42A	7	20	2535	21100	1	0	42	20	3500	42590	22.57	22.90		
	CA_26A-41A	26	15	831.5	28865	1	0	41	20	2593	40620	22.62	22.80		
Intra-Band	Non-Contiguous	CA_41A-42A	41	20	2571	40400	1	99	42	20	3500	42590	22.79	23.07	
		CA_41A-41A	41	20	2571	40400	1	99	41	5	2652.5	41215	22.82	23.07	
	Contiguous	CA_7B	7	15	2535	21100	1	0	7	5	2664.30	3193	22.28	22.90	
		CA_7C	7	20	2535	21100	1	0	7	20	2515.20	20902	22.67	22.90	
		CA_38C	38	20	2580	37850	1	0	38	20	2599.80	38048	22.72	23.06	

3CC		3CC																
Configure	CA Configuration (BCS)	PCC						SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band	CA_2A-7C	2	20	1880	18900	1	0	7	20	2655	3100	7	20	2674.8	3298	22.65	22.70	
	CA_2A-7A-7A	2	20	1880	18900	1	0	7	20	2655	3100	7	5	2622.5	2775	22.48	22.70	
	CA_5A-7C	5	10	829	20450	1	0	7	20	2655	3100	7	20	2674.8	3298	22.48	22.79	
	CA_41C-42A	41	20	2571	40400	1	99	41	20	2551.2	40202	42	20	3500	42590	22.71	23.07	
	CA_41A-42C	41	20	2571	40400	1	99	42	20	3500	42590	42	20	3519.8	42788	22.87	23.07	
Intra-Band	Non-Contiguous	CA_41A-41C	41	20	2571	40400	1	99	41	20	2593	40620	41	20	2612.8	40818	22.81	23.07
		CA_41A-41A-41A	41	20	2571	40400	1	99	41	5	2593	40620	41	20	2604.7	40817	22.86	23.07
	Contiguous	CA_41D	41	20	2571	40400	1	99	41	20	2590.8	40598	41	20	2610.6	40796	22.83	23.07
CA_42D		42	20	3500	42590	1	0	42	20	3519.8	42788	42	20	3539.6	42986	22.87	23.07	



Full Power Mode for 5G NR

n5_Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	23.25	23.28	23.18		
20	Pi/2 BPSK	1	53	23.06	23.11	23.06	24.0	0.0
20	Pi/2 BPSK	1	104	22.90	22.95	22.89		
20	Pi/2 BPSK	50	0	22.61	22.66	22.54	23.5	0.5
20	Pi/2 BPSK	50	28	22.94	23.01	22.94	24.0	0.0
20	Pi/2 BPSK	50	56	22.39	22.42	22.32		
20	Pi/2 BPSK	100	0	22.51	22.54	22.48	23.5	0.5
20	QPSK	1	1	23.21	23.24	23.14		
20	QPSK	1	53	23.02	23.08	23.02	24.0	0.0
20	QPSK	1	104	22.91	22.94	22.84		
20	QPSK	50	0	22.07	22.18	22.03	23.0	1.0
20	QPSK	50	28	23.01	23.05	22.94	24.0	0.0
20	QPSK	50	56	21.89	22.01	21.83		
20	QPSK	100	0	22.02	22.05	21.93	23.0	1.0
20	16QAM	1	1	21.76	21.83	21.71	23.0	1.0
20	64QAM	1	1	20.56	20.56	20.51	21.5	2.5
20	256QAM	1	1	18.63	18.71	18.61	19.5	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	Pi/2 BPSK	1	1	23.19	23.21	23.15	24.0	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	Pi/2 BPSK	1	1	23.23	23.13	23.08	24.0	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	Pi/2 BPSK	1	1	23.20	23.18	23.09	24.0	0.0



n77_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.78	22.82	22.82			
100	PI2 BPSK	1	137	22.72	22.59	22.80	24.0	0.0	
100	PI2 BPSK	1	271	22.59	22.52	22.57			
100	PI2 BPSK	136	0	22.24	21.97	22.00	23.5	0.5	
100	PI2 BPSK	136	69	22.05	22.54	22.92	24.0	0.0	
100	PI2 BPSK	136	138	22.13	22.00	22.02	23.5	0.5	
100	PI2 BPSK	270	0	22.13	22.07	21.97			
100	QPSK	1	1	22.72	22.57	22.54			
100	QPSK	1	137	22.68	22.56	22.92	24.0	0.0	
100	QPSK	1	271	22.41	22.47	22.46			
100	QPSK	136	0	21.86	21.54	21.52			
100	QPSK	136	69	22.69	22.58	22.54	24.0	0.0	
100	QPSK	136	138	21.51	21.91	21.90			
100	QPSK	270	0	21.69	21.58	21.48	23.0	1.0	
100	16QAM	1	1	21.72	21.49	21.47	23.0	1.0	
100	16QAM	1	1	20.20	20.02	20.00	21.5	2.5	
100	16QAM	1	1	18.12	17.93	17.92	19.5	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.01	3840	3849.98			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	22.08	22.50	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.67	22.47	22.47	24.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.68	22.49	22.49	24.0	0.0	

n77_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		349.98				
100	PI2 BPSK	1	137		22.78		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	136	0		22.10		23.5	0.5	
100	PI2 BPSK	136	69		22.75		24.0	0.0	
100	PI2 BPSK	136	138		22.25		23.5	0.5	
100	PI2 BPSK	270	0		22.22				
100	QPSK	1	1		22.30				
100	QPSK	1	137		22.62		24.0	0.0	
100	QPSK	1	271		22.70				
100	QPSK	136	0		21.53				
100	QPSK	136	69		22.53		24.0	0.0	
100	QPSK	136	138		21.70				
100	QPSK	270	0		21.68		23.0	1.0	
100	16QAM	1	1		21.50		23.0	1.0	
100	16QAM	1	1		20.03		21.5	2.5	
100	16QAM	1	1		17.90		19.5	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	349.98	3510			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	22.61	22.63	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.56	22.61	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.53	22.58	22.68	24.0	0.0	

n78_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3750				
100	PI2 BPSK	1	137		22.93		24.0	0.0	
100	PI2 BPSK	1	271		22.83				
100	PI2 BPSK	136	0		22.81		23.5	0.5	
100	PI2 BPSK	136	69		22.85		24.0	0.0	
100	PI2 BPSK	136	138		22.71		23.5	0.5	
100	PI2 BPSK	270	0		22.78				
100	QPSK	1	1		22.81				
100	QPSK	1	137		22.78		24.0	0.0	
100	QPSK	1	271		22.74				
100	QPSK	136	0		22.81				
100	QPSK	136	69		22.79		24.0	0.0	
100	QPSK	136	138		22.68				
100	QPSK	270	0		22.78		23.0	1.0	
100	16QAM	1	1		22.81		23.0	1.0	
100	16QAM	1	1		20.62		21.5	2.5	
100	16QAM	1	1		18.81		19.5	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3745.02	3750	3754.98			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	22.83	22.88	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	22.79	22.90	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	22.90	22.91	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.79	22.88	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.82	22.89	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.82	22.82	22.87	24.0	0.0	



n78_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	22.73	22.88	22.99				
100	PI2 BPSK	1	137	22.88	22.88	22.84	24.0	0.0		
100	PI2 BPSK	1	271	23.05						
100	PI2 BPSK	135	0	22.71			23.5	0.5		
100	PI2 BPSK	135	69	22.88			24.0	0.0		
100	PI2 BPSK	135	138	22.90			23.5	0.5		
100	PI2 BPSK	270	0	22.67						
100	QPSK	1	1	22.68						
100	QPSK	1	137	22.85			24.0	0.0		
100	QPSK	1	271	23.01						
100	QPSK	135	0	22.86						
100	QPSK	135	69	22.78			24.0	0.0		
100	QPSK	135	138	22.87						
100	QPSK	270	0	22.78			23.0	1.0		
100	16QAM	1	1	22.45			23.0	1.0		
100	64QAM	1	1	20.42			21.5	2.5		
100	256QAM	1	1	18.00			19.5	4.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	22.87	22.88	22.84	24.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	22.86	22.82	22.99	24.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	22.87	23.00	23.03	24.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	22.76	22.98	22.98	24.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	22.78	22.90	23.00	24.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	22.89	22.99	22.84	24.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	22.88	23.01	22.98	24.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	22.91	23.03	22.99	24.0	0.0		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	24.82						
100	PI2 BPSK	1	137	24.80			26.0	0.0		
100	PI2 BPSK	1	271	24.85						
100	PI2 BPSK	135	0	24.28			25.5	0.5		
100	PI2 BPSK	135	69	24.83			26.0	0.0		
100	PI2 BPSK	135	138	24.38			25.5	0.5		
100	PI2 BPSK	270	0	24.33						
100	QPSK	1	1	24.78						
100	QPSK	1	137	24.80			26.0	0.0		
100	QPSK	1	271	24.82						
100	QPSK	135	0	24.28						
100	QPSK	135	69	24.83			26.0	0.0		
100	QPSK	135	138	24.28						
100	QPSK	270	0	23.81			25.0	1.0		
100	16QAM	1	1	23.92			25.0	1.0		
100	64QAM	1	1	21.94			23.5	2.5		
100	256QAM	1	1	20.41			21.5	4.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	24.85	24.88	24.82	26.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	24.75	24.79	24.84	26.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	24.83	24.91	24.69	26.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	24.88	24.87	24.67	26.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	24.82	24.76	24.75	26.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	24.81	24.70	24.69	26.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	24.86	24.72	24.75	26.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	24.76	24.77	24.75	26.0	0.0		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	24.42						
100	PI2 BPSK	1	137	24.77			26.0	0.0		
100	PI2 BPSK	1	271	24.82						
100	PI2 BPSK	135	0	24.23			25.5	0.5		
100	PI2 BPSK	135	69	24.77			26.0	0.0		
100	PI2 BPSK	135	138	24.24			25.5	0.5		
100	PI2 BPSK	270	0	24.21						
100	QPSK	1	1	24.58						
100	QPSK	1	137	24.81			26.0	0.0		
100	QPSK	1	271	24.69						
100	QPSK	135	0	24.22						
100	QPSK	135	69	24.78			26.0	0.0		
100	QPSK	135	138	24.29						
100	QPSK	270	0	23.71			25.0	1.0		
100	16QAM	1	1	23.85			25.0	1.0		
100	64QAM	1	1	21.81			23.5	2.5		
100	256QAM	1	1	20.28			21.5	4.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	24.40	24.40	24.40	26.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	24.25	24.43	24.52	26.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	24.39	24.44	24.37	26.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	24.45	24.33	24.55	26.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	24.31	24.38	24.45	26.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	24.34	24.43	24.38	26.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	24.33	24.38	24.41	26.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	24.30	24.41	24.49	26.0	0.0		



Reduced Power Mode for Receiver on_5G NR

n77_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.57	14.56	14.38			
100	PI2 BPSK	1	137	14.52	14.33	14.22	16.0	0.0	
100	PI2 BPSK	1	271	14.34	14.18	14.21			
100	PI2 BPSK	135	0	14.51	14.29	14.20	16.0	0.0	
100	PI2 BPSK	135	69	14.54	14.53	14.36	16.0	0.0	
100	PI2 BPSK	135	138	14.37	14.17	14.22	16.0	0.0	
100	PI2 BPSK	270	0	14.80	14.52	14.32			
100	QPSK	1	1	14.44	14.36	14.25			
100	QPSK	1	137	14.55	14.41	14.22	16.0	0.0	
100	QPSK	1	271	14.31	14.26	14.25			
100	QPSK	135	0	14.50	14.38	14.18			
100	QPSK	135	69	14.45	14.31	14.17	16.0	0.0	
100	QPSK	135	138	14.44	14.22	14.21			
100	QPSK	270	0	14.46	14.28	14.19	16.0	0.0	
100	16QAM	1	1	14.52	14.40	14.23	16.0	0.0	
100	64QAM	1	1	14.49	14.41	14.31	16.0	0.0	
100	256QAM	1	1	14.42	14.37	14.24	16.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.01	3840	3939.99	15.0	0.0	
80	PI2 BPSK	1	1	14.37	14.55	14.33	15.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3840	3939.98	15.0	0.0	
80	PI2 BPSK	1	1	14.38	14.59	14.34	15.0	0.0	
Channel				649000	650000	649666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3840	3960	16.0	0.0	
40	PI2 BPSK	1	1	14.49	14.54	14.43	16.0	0.0	
Channel				647668	650000	648332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	16.0	0.0	
30	PI2 BPSK	1	1	14.45	14.45	14.41	16.0	0.0	

n77_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	633332			
Frequency (MHz)				3499.99	3499.99	3499.99			
100	PI2 BPSK	1	1	14.53	14.53	14.53			
100	PI2 BPSK	1	137	14.48	14.48	14.48	16.0	0.0	
100	PI2 BPSK	1	271	14.50	14.50	14.50			
100	PI2 BPSK	135	0	14.50	14.50	14.50	16.0	0.0	
100	PI2 BPSK	135	69	14.52	14.52	14.52	16.0	0.0	
100	PI2 BPSK	135	138	14.47	14.47	14.47	16.0	0.0	
100	PI2 BPSK	270	0	14.51	14.51	14.51			
100	QPSK	1	1	14.49	14.49	14.49			
100	QPSK	1	137	14.51	14.51	14.51	16.0	0.0	
100	QPSK	1	271	14.48	14.48	14.48			
100	QPSK	135	0	14.42	14.42	14.42	16.0	0.0	
100	QPSK	135	69	14.41	14.41	14.41			
100	QPSK	135	138	14.36	14.36	14.36	16.0	0.0	
100	QPSK	270	0	14.42	14.42	14.42	16.0	0.0	
100	16QAM	1	1	14.20	14.20	14.20	16.0	0.0	
100	64QAM	1	1	14.41	14.41	14.41	16.0	0.0	
100	256QAM	1	1	14.49	14.49	14.49	16.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3493.02	3499.98	3510	15.0	0.0	
80	PI2 BPSK	1	1	14.29	14.38	14.39	15.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.98	15.0	0.0	
60	PI2 BPSK	1	1	14.32	14.44	14.50	15.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	16.0	0.0	
40	PI2 BPSK	1	1	14.39	14.48	14.45	16.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3499.98	3534.98	16.0	0.0	
30	PI2 BPSK	1	1	14.45	14.32	14.48	16.0	0.0	

n78_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	14.57	14.57	14.57			
100	PI2 BPSK	1	137	14.79	14.79	14.79	16.0	0.0	
100	PI2 BPSK	1	271	14.80	14.80	14.80			
100	PI2 BPSK	135	0	14.63	14.63	14.63	16.0	0.0	
100	PI2 BPSK	135	69	14.80	14.80	14.80	16.0	0.0	
100	PI2 BPSK	135	138	14.71	14.71	14.71	16.0	0.0	
100	PI2 BPSK	270	0	14.80	14.80	14.80			
100	QPSK	1	1	14.56	14.56	14.56			
100	QPSK	1	137	14.71	14.71	14.71	16.0	0.0	
100	QPSK	1	271	14.76	14.76	14.76			
100	QPSK	135	0	14.85	14.85	14.85			
100	QPSK	135	69	14.69	14.69	14.69	16.0	0.0	
100	QPSK	135	138	14.65	14.65	14.65			
100	QPSK	270	0	14.57	14.57	14.57	16.0	0.0	
100	16QAM	1	1	14.48	14.48	14.48	16.0	0.0	
100	64QAM	1	1	14.72	14.72	14.72	16.0	0.0	
100	256QAM	1	1	14.82	14.82	14.82	16.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3750	3756.98	15.0	0.0	
90	PI2 BPSK	1	1	14.45	14.44	14.49	15.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3758.98	15.0	0.0	
80	PI2 BPSK	1	1	14.48	14.49	14.49	16.0	0.0	
Channel				649000	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765	16.0	0.0	
70	PI2 BPSK	1	1	14.52	14.51	14.57	16.0	0.0	
Channel				648668	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.02	3750	3764.98	16.0	0.0	
60	PI2 BPSK	1	1	14.49	14.48	14.54	16.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3763.98	16.0	0.0	
50	PI2 BPSK	1	1	14.58	14.83	14.55	16.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	16.0	0.0	
40	PI2 BPSK	1	1	14.71	14.75	14.81	16.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3764.98	16.0	0.0	
30	PI2 BPSK	1	1	14.01	14.72	14.77	16.0	0.0	
Channel				645334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3769.98	16.0	0.0	
20	PI2 BPSK	1	1	14.58	14.89	14.71	16.0	0.0	



n78_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Loc Ch. / Freq.	Power Modu Ch. / Freq.	Power Hgt Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	14.52	3499.98					
100	PI2 BPSK	1	137	14.78			16.0	0.0		
100	PI2 BPSK	1	271	14.80						
100	PI2 BPSK	135	0	14.80			16.0	0.0		
100	PI2 BPSK	135	69	14.78			16.0	0.0		
100	PI2 BPSK	135	138	14.68						
100	PI2 BPSK	270	0	14.74			16.0	0.0		
100	QPSK	1	1	14.86						
100	QPSK	1	137	14.87			16.0	0.0		
100	QPSK	1	271	14.72						
100	QPSK	135	0	14.66			16.0	0.0		
100	QPSK	135	69	14.85						
100	QPSK	135	138	14.68						
100	QPSK	270	0	14.64			16.0	0.0		
100	16QAM	1	1	14.40			16.0	0.0		
100	64QAM	1	1	14.73			16.0	0.0		
100	256QAM	1	1	14.59			16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.25	3499.98	3500.00	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.25	3499.98	3500.00	16.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	14.52	3499.98	3510	Tune-up limit (dB)	MPR (dB)		
80	PI2 BPSK	1	1	14.52	3499.98	3510	16.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	14.39	3499.98	3514.98	Tune-up limit (dB)	MPR (dB)		
70	PI2 BPSK	1	1	14.39	3499.98	3514.98	16.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	14.52	3499.98	3519.99	Tune-up limit (dB)	MPR (dB)		
60	PI2 BPSK	1	1	14.52	3499.98	3519.99	16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.48	3499.98	3529.98	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.48	3499.98	3529.98	16.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	14.55	3499.98	3534.99	Tune-up limit (dB)	MPR (dB)		
40	PI2 BPSK	1	1	14.55	3499.98	3534.99	16.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	14.55	3499.98	3539.00	Tune-up limit (dB)	MPR (dB)		
30	PI2 BPSK	1	1	14.55	3499.98	3539.00	16.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	14.53	3499.98	3540.00	Tune-up limit (dB)	MPR (dB)		
20	PI2 BPSK	1	1	14.53	3499.98	3540.00	16.0	0.0		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Loc Ch. / Freq.	Power Modu Ch. / Freq.	Power Hgt Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	14.57	3750					
100	PI2 BPSK	1	137	14.79			16.0	0.0		
100	PI2 BPSK	1	271	14.80						
100	PI2 BPSK	135	0	14.63			16.0	0.0		
100	PI2 BPSK	135	69	14.80			16.0	0.0		
100	PI2 BPSK	135	138	14.71						
100	PI2 BPSK	270	0	14.80			16.0	0.0		
100	QPSK	1	1	14.86						
100	QPSK	1	137	14.71			16.0	0.0		
100	QPSK	1	271	14.72						
100	QPSK	135	0	14.66			16.0	0.0		
100	QPSK	135	69	14.69						
100	QPSK	135	138	14.65						
100	QPSK	270	0	14.57			16.0	0.0		
100	16QAM	1	1	14.40			16.0	0.0		
100	64QAM	1	1	14.72			16.0	0.0		
100	256QAM	1	1	14.62			16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.43	3750	3750.00	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.43	3750	3750.00	16.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	14.43	3750	3759.99	Tune-up limit (dB)	MPR (dB)		
80	PI2 BPSK	1	1	14.43	3750	3759.99	16.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	14.52	3750	3765	Tune-up limit (dB)	MPR (dB)		
70	PI2 BPSK	1	1	14.52	3750	3765	16.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	14.49	3750	3769.98	Tune-up limit (dB)	MPR (dB)		
60	PI2 BPSK	1	1	14.49	3750	3769.98	16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.58	3750	3780	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.58	3750	3780	16.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	14.71	3750	3784.98	Tune-up limit (dB)	MPR (dB)		
40	PI2 BPSK	1	1	14.71	3750	3784.98	16.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	14.61	3750	3789.99	Tune-up limit (dB)	MPR (dB)		
30	PI2 BPSK	1	1	14.61	3750	3789.99	16.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	14.58	3750	3799.99	Tune-up limit (dB)	MPR (dB)		
20	PI2 BPSK	1	1	14.58	3750	3799.99	16.0	0.0		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Loc Ch. / Freq.	Power Modu Ch. / Freq.	Power Hgt Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	14.58	3699.98					
100	PI2 BPSK	1	137	14.78			16.0	0.0		
100	PI2 BPSK	1	271	14.80						
100	PI2 BPSK	135	0	14.60			16.0	0.0		
100	PI2 BPSK	135	69	14.78			16.0	0.0		
100	PI2 BPSK	135	138	14.68						
100	PI2 BPSK	270	0	14.74			16.0	0.0		
100	QPSK	1	1	14.86						
100	QPSK	1	137	14.67			16.0	0.0		
100	QPSK	1	271	14.72						
100	QPSK	135	0	14.66			16.0	0.0		
100	QPSK	135	69	14.85						
100	QPSK	135	138	14.66						
100	QPSK	270	0	14.64			16.0	0.0		
100	16QAM	1	1	14.40			16.0	0.0		
100	64QAM	1	1	14.73			16.0	0.0		
100	256QAM	1	1	14.59			16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.25	3699.98	3700.00	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.25	3699.98	3700.00	16.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	14.52	3699.98	3710	Tune-up limit (dB)	MPR (dB)		
80	PI2 BPSK	1	1	14.52	3699.98	3710	16.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	14.39	3699.98	3714.98	Tune-up limit (dB)	MPR (dB)		
70	PI2 BPSK	1	1	14.39	3699.98	3714.98	16.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	14.52	3699.98	3719.99	Tune-up limit (dB)	MPR (dB)		
60	PI2 BPSK	1	1	14.52	3699.98	3719.99	16.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	14.48	3699.98	3729.98	Tune-up limit (dB)	MPR (dB)		
50	PI2 BPSK	1	1	14.48	3699.98	3729.98	16.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	14.55	3699.98	3734.99	Tune-up limit (dB)	MPR (dB)		
40	PI2 BPSK	1	1	14.55	3699.98	3734.99	16.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	14.55	3699.98	3739.00	Tune-up limit (dB)	MPR (dB)		
30	PI2 BPSK	1	1	14.55	3699.98	3739.00	16.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	14.53	3699.98	3740.00	Tune-up limit (dB)	MPR (dB)		
20	PI2 BPSK	1	1	14.53	3699.98	3740.00	16.0	0.0		



Reduced Power Mode for Hotspot on/Sensor on_5G NR

n5_Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	19.71	19.73	19.65		
20	Pi/2 BPSK	1	53	19.54	19.59	19.49	20.5	0.0
20	Pi/2 BPSK	1	104	19.38	19.39	19.31		
20	Pi/2 BPSK	50	0	19.57	19.64	19.51	20.5	0.0
20	Pi/2 BPSK	50	28	19.67	19.70	19.53	20.5	0.0
20	Pi/2 BPSK	50	56	19.36	19.42	19.35		
20	Pi/2 BPSK	100	0	19.62	19.63	19.49	20.5	0.0
20	QPSK	1	1	19.64	19.70	19.67		
20	QPSK	1	53	19.56	19.61	19.51	20.5	0.0
20	QPSK	1	104	19.39	19.44	19.34		
20	QPSK	50	0	19.59	19.61	19.52	20.5	0.0
20	QPSK	50	28	19.51	19.55	19.43	20.5	0.0
20	QPSK	50	56	19.39	19.46	19.36		
20	QPSK	100	0	19.53	19.56	19.49	20.5	0.0
20	16QAM	1	1	19.61	19.65	19.56	20.5	0.0
20	64QAM	1	1	19.66	19.67	19.72	20.5	0.0
20	256QAM	1	1	18.69	18.74	18.67	19.5	1.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	Pi/2 BPSK	1	1	19.15	19.16	19.08	24.0	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	Pi/2 BPSK	1	1	19.19	19.07	19.02	24.0	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	Pi/2 BPSK	1	1	19.21	19.09	19.01	24.0	0.0



n77_Ant5 Par270									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	12.50	12.77	12.54			
100	PI2 BPSK	1	137	12.45	12.74	12.61	14.0	0.0	
100	PI2 BPSK	1	271	12.47	12.75	12.63			
100	PI2 BPSK	135	0	12.45	12.73	12.50	14.0	0.0	
100	PI2 BPSK	135	69	12.48	12.76	12.61	14.0	0.0	
100	PI2 BPSK	135	138	12.47	12.73	12.60			
100	PI2 BPSK	270	0	12.48	12.70	12.50	14.0	0.0	
100	QPSK	1	1	12.48	12.69	12.62			
100	QPSK	1	137	12.48	12.76	12.64	14.0	0.0	
100	QPSK	1	271	12.48	12.68	12.57			
100	QPSK	135	0	12.44	12.70	12.49			
100	QPSK	135	69	12.39	12.67	12.50	14.0	0.0	
100	QPSK	135	138	12.35	12.68	12.47			
100	QPSK	270	0	12.43	12.64	12.55	14.0	0.0	
100	16QAM	1	1	12.18	12.59	12.27	14.0	0.0	
100	16QAM	1	1	12.41	12.76	12.46	14.0	0.0	
100	256QAM	1	1	12.52	12.73	12.58	14.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.01	3840	3899.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.49	12.55	12.49	14.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	12.62	12.69	12.55	14.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.69	12.72	12.36	14.0	0.0	

n77_Ant5 Par270									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		12.71	12.98			
100	PI2 BPSK	1	137		12.66	12.86	14.0	0.0	
100	PI2 BPSK	1	271		12.64	12.84			
100	PI2 BPSK	135	0		12.64	12.84	14.0	0.0	
100	PI2 BPSK	135	69		12.68	12.88	14.0	0.0	
100	PI2 BPSK	135	138		12.61	12.81			
100	PI2 BPSK	270	0		12.68	12.88	14.0	0.0	
100	QPSK	1	1		12.65	12.85			
100	QPSK	1	137		12.64	12.84	14.0	0.0	
100	QPSK	1	271		12.60	12.80			
100	QPSK	135	0		12.57	12.77			
100	QPSK	135	69		12.56	12.76	14.0	0.0	
100	QPSK	135	138		12.50	12.70			
100	QPSK	270	0		12.56	12.76	14.0	0.0	
100	16QAM	1	1		12.35	12.55	14.0	0.0	
100	16QAM	1	1		12.56	12.76	14.0	0.0	
100	256QAM	1	1		12.65	12.85	14.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.25	12.38	12.35	14.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	12.43	12.46	12.52	14.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.68	12.68	12.66	14.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.66	12.65	12.67	14.0	0.0	

n78_Ant5 Par270									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		12.53	12.80			
100	PI2 BPSK	1	137		12.80	12.80	14.0	0.0	
100	PI2 BPSK	1	271		12.79	12.79			
100	PI2 BPSK	135	0		12.80	12.80	14.0	0.0	
100	PI2 BPSK	135	69		12.82	12.82	14.0	0.0	
100	PI2 BPSK	135	138		12.78	12.78			
100	PI2 BPSK	270	0		12.79	12.79	14.0	0.0	
100	QPSK	1	1		12.80	12.80			
100	QPSK	1	137		12.78	12.78	14.0	0.0	
100	QPSK	1	271		12.81	12.81			
100	QPSK	135	0		12.72	12.72			
100	QPSK	135	69		12.69	12.69	14.0	0.0	
100	QPSK	135	138		12.65	12.65			
100	QPSK	270	0		12.72	12.72	14.0	0.0	
100	16QAM	1	1		12.50	12.50	14.0	0.0	
100	16QAM	1	1		12.71	12.71	14.0	0.0	
100	256QAM	1	1		12.79	12.79	14.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.42	12.37	12.38	14.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	12.35	12.39	12.39	14.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	12.39	12.38	12.46	14.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.52	12.46	12.41	14.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	12.58	12.49	12.59	14.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	12.63	12.72	12.73	14.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.49	12.62	12.68	14.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	12.55	12.58	12.68	14.0	0.0	



n78_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	12.70	3499.98					
100	PI2 BPSK	1	137	12.68			14.0	0.0		
100	PI2 BPSK	1	271	12.72						
100	PI2 BPSK	135	0	12.65			14.0	0.0		
100	PI2 BPSK	135	69	12.69			14.0	0.0		
100	PI2 BPSK	135	138	12.68			14.0	0.0		
100	PI2 BPSK	270	0	12.70						
100	QPSK	1	1	12.66						
100	QPSK	1	137	12.69			14.0	0.0		
100	QPSK	1	271	12.70						
100	QPSK	135	0	12.65						
100	QPSK	135	69	12.69			14.0	0.0		
100	QPSK	135	138	12.68			14.0	0.0		
100	QPSK	270	0	12.61			14.0	0.0		
100	16QAM	1	1	12.41			14.0	0.0		
100	64QAM	1	1	12.61			14.0	0.0		
100	256QAM	1	1	12.68			14.0	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	12.31	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	12.35	3499.98	3510	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	12.38	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	12.52	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	12.45	3499.98	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	12.66	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	12.61	3499.98	3534.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	12.59	3499.98	3534.99	Tune-up limit (dBm)	MPR (dB)		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	12.83	3760					
100	PI2 BPSK	1	137	12.80			14.0	0.0		
100	PI2 BPSK	1	271	12.79						
100	PI2 BPSK	135	0	12.80			14.0	0.0		
100	PI2 BPSK	135	69	12.82			14.0	0.0		
100	PI2 BPSK	135	138	12.78			14.0	0.0		
100	PI2 BPSK	270	0	12.79						
100	QPSK	1	1	12.80						
100	QPSK	1	137	12.79			14.0	0.0		
100	QPSK	1	271	12.81						
100	QPSK	135	0	12.72						
100	QPSK	135	69	12.80			14.0	0.0		
100	QPSK	135	138	12.80			14.0	0.0		
100	QPSK	270	0	12.72			14.0	0.0		
100	16QAM	1	1	12.50			14.0	0.0		
100	64QAM	1	1	12.71			14.0	0.0		
100	256QAM	1	1	12.75			14.0	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	12.42	3760	3764.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	12.35	3760	3769.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	12.39	3760	3765	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	12.52	3760	3765.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	12.53	3760	3769.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	12.63	3760	3764.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	12.49	3760	3769.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	12.55	3760	3764.98	Tune-up limit (dBm)	MPR (dB)		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	12.70	3499.98					
100	PI2 BPSK	1	137	12.68			14.0	0.0		
100	PI2 BPSK	1	271	12.72						
100	PI2 BPSK	135	0	12.65			14.0	0.0		
100	PI2 BPSK	135	69	12.69			14.0	0.0		
100	PI2 BPSK	135	138	12.68			14.0	0.0		
100	PI2 BPSK	270	0	12.70						
100	QPSK	1	1	12.66						
100	QPSK	1	137	12.69			14.0	0.0		
100	QPSK	1	271	12.70						
100	QPSK	135	0	12.65						
100	QPSK	135	69	12.69			14.0	0.0		
100	QPSK	135	138	12.68			14.0	0.0		
100	QPSK	270	0	12.61			14.0	0.0		
100	16QAM	1	1	12.41			14.0	0.0		
100	64QAM	1	1	12.61			14.0	0.0		
100	256QAM	1	1	12.68			14.0	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	12.31	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	12.35	3499.98	3510	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	12.38	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	12.52	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	12.45	3499.98	3525	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	12.66	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	12.61	3499.98	3534.99	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	12.59	3499.98	3534.99	Tune-up limit (dBm)	MPR (dB)		



Reduced Power Mode for Handheld on_5G NR

n5_Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. f.Freq.	Power Middle Ch. f.Freq.	Power High Ch. f.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.66	21.71	21.63		
20	PI/2 BPSK	1	53	21.50	21.51	21.44	22.5	0.0
20	PI/2 BPSK	1	104	21.32	21.38	21.28		
20	PI/2 BPSK	50	0	21.56	21.61	21.53	22.5	0.0
20	PI/2 BPSK	50	28	21.47	21.50	21.43	22.5	0.0
20	PI/2 BPSK	50	56	21.36	21.44	21.33		
20	PI/2 BPSK	100	0	21.43	21.50	21.44	22.5	0.0
20	QPSK	1	1	21.67	21.62	21.60		
20	QPSK	1	53	21.54	21.56	21.47	22.5	0.0
20	QPSK	1	104	21.28	21.40	21.32		
20	QPSK	50	0	21.57	21.58	21.52	22.5	0.0
20	QPSK	50	28	21.47	21.53	21.43	22.5	0.0
20	QPSK	50	56	21.37	21.44	21.31		
20	QPSK	100	0	21.48	21.53	21.44	22.5	0.0
20	16QAM	1	1	21.63	21.63	21.58	22.5	0.0
20	64QAM	1	1	20.57	20.46	20.53	21.5	1.0
20	256QAM	1	1	18.68	18.67	18.61	19.5	3.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.68	21.70	21.59	24.0	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.55	21.65	21.62	24.0	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	PI/2 BPSK	1	1	21.62	21.63	21.60	24.0	0.0



n77_Ant5 Par270									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.54	18.67	18.55			
100	PI2 BPSK	1	137	18.62	18.62	18.52	20.0	0.0	
100	PI2 BPSK	1	271	18.63	18.65	18.33			
100	PI2 BPSK	135	0	18.56	18.63	18.44	20.0	0.0	
100	PI2 BPSK	135	69	18.60	18.65	18.52	20.0	0.0	
100	PI2 BPSK	135	138	18.46	18.52	18.28			
100	PI2 BPSK	270	0	18.59	18.61	18.50	20.0	0.0	
100	QPSK	1	1	18.50	18.55	18.41			
100	QPSK	1	137	18.62	18.62	18.62	20.0	0.0	
100	QPSK	1	271	18.46	18.50	18.26			
100	QPSK	135	0	18.56	18.60	18.43			
100	QPSK	135	69	18.64	18.61	18.39	20.0	0.0	
100	QPSK	135	138	18.52	18.54	18.28			
100	QPSK	270	0	18.61	18.61	18.39	20.0	0.0	
100	16QAM	1	1	18.50	18.66	18.40	20.0	0.0	
100	16QAM	1	1	18.60	18.59	18.39	20.0	0.0	
100	256QAM	1	1	17.93	18.04	17.93	19.5	0.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.01	3840	3929.98			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	18.42	18.52	18.31	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.59	18.60	18.42	20.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.48	18.54	18.29	20.0	0.0	

n77_Ant5 Par27Q									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		349.98				
100	PI2 BPSK	1	137		18.54		20.0	0.0	
100	PI2 BPSK	1	271		18.4				
100	PI2 BPSK	135	0		18.46		20.0	0.0	
100	PI2 BPSK	135	69		18.61		20.0	0.0	
100	PI2 BPSK	135	138		18.50				
100	PI2 BPSK	270	0		18.60		20.0	0.0	
100	QPSK	1	1		18.41				
100	QPSK	1	137		18.48		20.0	0.0	
100	QPSK	1	271		18.01				
100	QPSK	135	0		18.48				
100	QPSK	135	69		18.51		20.0	0.0	
100	QPSK	135	138		18.49				
100	QPSK	270	0		18.52		20.0	0.0	
100	16QAM	1	1		18.59		20.0	0.0	
100	16QAM	1	1		18.50		20.0	0.0	
100	256QAM	1	1		17.91		19.5	0.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	65988	63332	63400	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	3499.98	3510			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	18.58	18.59	18.35	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.55	18.55	18.35	20.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.55	18.59	18.62	20.0	0.0	

n78_Ant5 Par270									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3750				
100	PI2 BPSK	1	137		18.51		20.0	0.0	
100	PI2 BPSK	1	271		18.84				
100	PI2 BPSK	135	0		18.85		20.0	0.0	
100	PI2 BPSK	135	69		18.88		20.0	0.0	
100	PI2 BPSK	135	138		18.83				
100	PI2 BPSK	270	0		18.89		20.0	0.0	
100	QPSK	1	1		18.82				
100	QPSK	1	137		18.95		20.0	0.0	
100	QPSK	1	271		18.91				
100	QPSK	135	0		18.78				
100	QPSK	135	69		18.78		20.0	0.0	
100	QPSK	135	138		18.73				
100	QPSK	270	0		18.75		20.0	0.0	
100	16QAM	1	1		18.57		20.0	0.0	
100	16QAM	1	1		18.73		20.0	0.0	
100	256QAM	1	1		17.76		19.5	0.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	64968	65000	65032	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.02	3750	3754.98			
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	18.39	18.39	18.38	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.35	18.41	18.39	20.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	18.39	18.43	18.45	20.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	18.45	18.53	18.45	20.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	18.55	18.55	18.55	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.42	18.66	18.90	20.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.76	18.79	18.89	20.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.76	18.78	18.85	20.0	0.0	



n78_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.07						
100	PI2 BPSK	1	137	18.75			20.0	0.0		
100	PI2 BPSK	1	271	18.83						
100	PI2 BPSK	135	0	18.71			20.0	0.0		
100	PI2 BPSK	135	69	18.80			20.0	0.0		
100	PI2 BPSK	135	138	18.74			20.0	0.0		
100	PI2 BPSK	270	0	18.76						
100	QPSK	1	1	18.74			20.0	0.0		
100	QPSK	1	137	18.81						
100	QPSK	1	271	18.79						
100	QPSK	135	0	18.78						
100	QPSK	135	69	18.74			20.0	0.0		
100	QPSK	135	138	18.75						
100	QPSK	270	0	18.81			20.0	0.0		
100	16QAM	1	1	18.57			20.0	0.0		
100	64QAM	1	1	18.81			20.0	0.0		
100	256QAM	1	1	18.05			19.5	0.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	18.31	18.41	18.32	20.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	18.36	18.37	18.38	20.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	18.38	18.43	18.48	20.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	18.51	18.57	18.59	20.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	18.51	18.52	18.59	20.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	18.72	18.75	18.78	20.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	18.68	18.75	18.75	20.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	18.67	18.72	18.69	20.0	0.0		

n78(HPUE)_Ant5 Par27O										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.81						
100	PI2 BPSK	1	137	18.84			20.0	0.0		
100	PI2 BPSK	1	271	18.85						
100	PI2 BPSK	135	0	18.85			20.0	0.0		
100	PI2 BPSK	135	69	18.88			20.0	0.0		
100	PI2 BPSK	135	138	18.83			20.0	0.0		
100	PI2 BPSK	270	0	18.89						
100	QPSK	1	1	18.82			20.0	0.0		
100	QPSK	1	137	18.89						
100	QPSK	1	271	18.81						
100	QPSK	135	0	18.78						
100	QPSK	135	69	18.78			20.0	0.0		
100	QPSK	135	138	18.73						
100	QPSK	270	0	18.75			20.0	0.0		
100	16QAM	1	1	18.57			20.0	0.0		
100	64QAM	1	1	18.73			20.0	0.0		
100	256QAM	1	1	18.65			20.0	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	18.36	18.39	18.38	20.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	18.35	18.41	18.39	20.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	18.39	18.43	18.45	20.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	18.45	18.53	18.45	20.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	18.52	18.58	18.55	20.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	18.82	18.89	18.89	20.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	18.76	18.79	18.89	20.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	18.76	18.78	18.85	20.0	0.0		

n78(HPUE)_Ant5 Par27Q										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	18.67						
100	PI2 BPSK	1	137	18.75			20.0	0.0		
100	PI2 BPSK	1	271	18.83						
100	PI2 BPSK	135	0	18.71			20.0	0.0		
100	PI2 BPSK	135	69	18.80			20.0	0.0		
100	PI2 BPSK	135	138	18.74			20.0	0.0		
100	PI2 BPSK	270	0	18.76						
100	QPSK	1	1	18.74			20.0	0.0		
100	QPSK	1	137	18.81						
100	QPSK	1	271	18.79						
100	QPSK	135	0	18.78						
100	QPSK	135	69	18.74			20.0	0.0		
100	QPSK	135	138	18.78						
100	QPSK	270	0	18.81			20.0	0.0		
100	16QAM	1	1	18.57			20.0	0.0		
100	64QAM	1	1	18.81			20.0	0.0		
100	256QAM	1	1	18.75			20.0	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	18.31	18.41	18.32	20.0	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	18.36	18.37	18.38	20.0	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	18.38	18.43	18.48	20.0	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	18.51	18.57	18.59	20.0	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	18.51	18.52	18.59	20.0	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	18.72	18.75	18.78	20.0	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	18.68	18.75	18.75	20.0	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	18.67	18.72	18.69	20.0	0.0		



Bluetooth/WLAN Power

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.60	10.70	10.80	8.40	8.50	8.60	8.50	8.40	8.60	12.50
	CH 39	2441	10.70	10.70	10.80	8.20	8.20	8.30	8.20	8.10	8.30	
	CH 78	2480	10.40	10.40	10.50	8.30	8.20	8.40	8.30	8.30	8.40	

BT LE V4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	4.50
	CH 19	2440	5.00
	CH 39	2480	5.90
Tune-up Limit			7.50

BT LE V5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	4.50	4.40
	CH 19	2440	5.00	4.90
	CH 39	2480	5.90	5.80
Tune-up Limit			7.50	7.50



2.4GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• AI-Head Power Table, Standalone WLAN		• AI-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worn Power Table, Standalone WLAN		• Body-Worn Power Table, Simultaneous WLAN+WWAN		• MHS (Mobile Hotspot) Power Table, Simultaneous WLAN+WWAN		• Handheld Reduced power table, Standalone WLAN		• Handheld Reduced power table, Simultaneous WLAN+WWAN		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	18.80	20.50	14.90	16.50	10.50	12.00	16.40	18.00	11.20	13.00	11.20	13.00	18.80	20.50	14.40	16.00	99.01
	6	2437	19.00	20.50	15.00	16.50	10.50	12.00	16.50	18.00	11.40	13.00	11.40	13.00	19.00	20.50	14.50	16.00	
	11	2462	18.70	20.50	14.80	16.50	10.40	12.00	16.40	18.00	11.30	13.00	11.30	13.00	18.70	20.50	14.30	16.00	
802.11g 6Mbps	1	2412	16.50	18.00	14.80	16.50	10.50	12.00	16.00	18.00	11.10	13.00	11.10	13.00	16.50	18.00	14.10	16.00	98.25
	6	2437	17.50	19.00	14.90	16.50	10.40	12.00	16.10	18.00	11.20	13.00	11.20	13.00	17.50	19.00	14.30	16.00	
	11	2462	13.90	15.50	13.90	15.50	10.50	12.00	13.90	15.50	11.10	13.00	11.10	13.00	13.90	15.50	13.90	15.50	
802.11n-HT20 MCS0	1	2412	16.20	18.50	Not Required	16.50	Not Required	12.00	Not Required	18.00	Not Required	13.00	Not Required	13.00	16.20	18.50	Not Required	16.00	98.12
	6	2437	16.90	18.50		16.50		12.00		18.00		13.00		13.00	16.90	18.50		16.00	
	11	2462	13.80	15.50		15.50		12.00		15.50		13.00		13.00	13.80	15.50		15.50	
802.11n-HT40 MCS0	3	2422	13.00	14.50	Not Required	14.50	Not Required	12.00	Not Required	14.50	Not Required	13.00	Not Required	13.00	13.00	14.50	Not Required	14.50	94.82
	6	2437	15.00	16.50		16.50		12.00		16.50		13.00		13.00	15.00	16.50		16.00	
	9	2452	13.00	14.50		14.50		12.00		14.50		13.00		13.00	14.50	14.50			



5.2GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• At-Head Power Table, Standalone WLAN		• At-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worn Power Table, Standalone WLAN		• Body-Worn Power Table, Simultaneous WLAN+WWAN		• MHS (Mobile Hotspot) Power Table, Simultaneous WLAN+WWAN		• Handheld Reduced power table, Standalone WLAN		• Handheld Reduced power table, Simultaneous WLAN+WWAN		Duty Cycle %							
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit								
802.11a 6Mbps	36	5180	17.25	19.00	17.25	19.00	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	17.25	19.00	17.50	17.50	97.97							
	40	5200	17.30	19.00	17.30	19.00														14.50	15.50	11.50	11.50	17.30	19.00	17.50
	44	5220	16.83	18.50	16.83	18.50														14.50	15.50	11.50	11.50	16.83	18.50	17.50
	48	5240	16.87	18.50	16.87	18.50														14.50	15.50	11.50	11.50	16.87	18.50	17.50
802.11n-HT20 MCSO	36	5180	17.16	19.00	17.16	19.00	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	17.16	19.00	17.50	17.50	97.78							
	40	5200	17.20	19.00	17.20	19.00														14.50	15.50	11.50	11.50	17.20	19.00	17.50
	44	5220	16.81	18.50	16.81	18.50														14.50	15.50	11.50	11.50	16.81	18.50	17.50
	48	5240	16.61	18.50	16.61	18.50														14.50	15.50	11.50	11.50	16.61	18.50	17.50
802.11n-HT40 MCSO	38	5190	16.51	18.00	16.51	18.00	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	16.51	18.00	15.98	17.50	96.40							
	46	5230	16.25	18.00	16.25	18.00														14.50	15.50	11.50	11.50	16.25	18.00	15.78
	36	5180	16.74	18.50	16.74	18.50														14.50	15.50	11.50	11.50	16.74	18.50	17.50
	40	5200	16.76	18.50	16.76	18.50														14.50	15.50	11.50	11.50	16.76	18.50	17.50
802.11ac-VHT20 MCSO	44	5220	16.56	18.50	16.56	18.50	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	16.56	18.50	17.50	17.50	93.50							
	48	5240	16.51	18.50	16.51	18.50														14.50	15.50	11.50	11.50	16.51	18.50	17.50
	38	5190	16.49	18.00	16.49	18.00														14.50	15.50	11.50	11.50	16.49	18.00	17.50
	46	5230	16.23	18.00	16.23	18.00														14.50	15.50	11.50	11.50	16.23	18.00	17.50
802.11ac-VHT80 MCSO	42	5210	15.33	17.00	15.33	17.00	12.78	14.50	13.96	15.50	10.22	11.50	10.22	11.50	15.33	17.00	15.00	95.78								

5.3GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• At-Head Power Table, Standalone WLAN		• At-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worn Power Table, Standalone WLAN		• Body-Worn Power Table, Simultaneous WLAN+WWAN		• Handheld Reduced power table, Standalone WLAN		• Handheld Reduced power table, Simultaneous WLAN+WWAN		Duty Cycle %						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
802.11a 6Mbps	52	5260	17.13	19.00	17.13	19.00	Not Required	14.50	Not Required	15.50	Not Required	10.50	17.13	19.00	15.50	15.50	97.97						
	56	5280	16.86	18.50	16.86	18.50												14.50	15.50	10.50	16.86	18.50	15.50
	60	5300	16.84	18.50	16.84	18.50												14.50	15.50	10.50	16.84	18.50	15.50
	64	5320	16.90	18.50	16.90	18.50												14.50	15.50	10.50	16.90	18.50	15.50
802.11n-HT20 MCSO	52	5260	16.97	18.50	16.97	18.50	Not Required	14.50	Not Required	15.50	Not Required	10.50	16.97	18.50	15.50	15.50	97.78						
	56	5280	16.60	18.50	16.60	18.50												14.50	15.50	10.50	16.60	18.50	15.50
	60	5300	16.73	18.50	16.73	18.50												14.50	15.50	10.50	16.73	18.50	15.50
	64	5320	16.77	18.50	16.77	18.50												14.50	15.50	10.50	16.77	18.50	15.50
802.11n-HT40 MCSO	54	5270	16.50	18.00	16.50	18.00	Not Required	14.50	Not Required	15.50	Not Required	10.50	16.50	18.00	15.50	15.50	96.40						
	62	5310	16.21	18.00	16.21	18.00												14.50	15.50	10.50	16.21	18.00	15.50
	52	5260	16.65	18.50	16.65	18.50												14.50	15.50	10.50	16.65	18.50	15.50
	56	5280	16.54	18.50	16.54	18.50												14.50	15.50	10.50	16.54	18.50	15.50
802.11ac-VHT20 MCSO	60	5300	16.47	18.50	16.47	18.50	Not Required	14.50	Not Required	15.50	Not Required	10.50	16.47	18.50	15.50	15.50	93.50						
	64	5320	16.55	18.50	16.55	18.50												14.50	15.50	10.50	16.55	18.50	15.50
	54	5270	16.49	18.00	16.49	18.00												14.50	15.50	10.50	16.49	18.00	15.50
	62	5310	16.18	18.00	16.18	18.00												14.50	15.50	10.50	16.18	18.00	15.50
802.11ac-VHT80 MCSO	58	5290	13.67	15.50	13.67	15.50	12.86	14.50	13.67	15.50	8.97	10.50	13.67	15.50	13.67	15.50	95.78						

5.5GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• At-Head Power Table, Standalone WLAN		• At-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worn Power Table, Standalone WLAN		• Body-Worn Power Table, Simultaneous WLAN+WWAN		• Handheld Reduced power table, Standalone WLAN		• Handheld Reduced power table, Simultaneous WLAN+WWAN		Duty Cycle %											
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit												
802.11a 6Mbps	100	5500	16.55	18.00	16.55	18.00	Not Required	13.00	Not Required	13.50	Not Required	8.00	16.55	18.00	12.00	12.00	97.97											
	116	5580	16.36	18.00	16.36	18.00												13.00	13.50	8.00	16.36	18.00	12.00					
	132	5660	17.21	19.00	17.21	19.00												13.00	13.50	8.00	17.21	19.00	12.00					
	140	5700	17.44	19.00	17.44	19.00												13.00	13.50	8.00	17.44	19.00	12.00					
802.11n-HT20 MCSO	100	5500	16.45	18.00	16.45	18.00	Not Required	13.00	Not Required	13.50	Not Required	8.00	16.45	18.00	12.00	12.00	97.78											
	116	5580	16.25	18.00	16.25	18.00												13.00	13.50	8.00	16.25	18.00	12.00					
	132	5660	16.44	18.00	16.44	18.00												13.00	13.50	8.00	16.44	18.00	12.00					
	140	5700	17.25	19.00	17.25	19.00												13.00	13.50	8.00	17.25	19.00	12.00					
802.11n-HT40 MCSO	102	5510	16.10	17.50	16.10	17.50	Not Required	13.00	Not Required	13.50	Not Required	8.00	16.10	17.50	12.00	12.00	96.40											
	110	5550	15.77	17.50	15.77	17.50												13.00	13.50	8.00	15.77	17.50	12.00					
	134	5670	16.27	17.50	16.27	17.50												13.00	13.50	8.00	16.27	17.50	12.00					
	100	5500	16.20	17.50	16.20	17.50												13.00	13.50	8.00	16.20	17.50	12.00					
802.11ac-VHT20 MCSO	116	5580	15.76	17.50	15.76	17.50	Not Required	13.00	Not Required	13.50	Not Required	8.00	15.76	17.50	12.00	12.00	93.50											
	132	5660	16.30	18.00	16.30	18.00												13.00	13.50	8.00	16.30	18.00	12.00					
	140	5700	16.75	18.00	16.75	18.00												13.00	13.50	8.00	16.75	18.00	12.00					
	102	5510	16.07	17.50	16.07	17.50												13.00	13.50	8.00	16.07	17.50	12.00					
802.11ac-VHT40 MCSO	110	5550	15.73	17.50	15.73	17.50	Not Required	13.00	Not Required	13.50	Not Required	8.00	15.73	17.50	12.00	12.00	86.83											
	134	5670	16.22	17.50	16.22	17.50												13.00	13.50	8.00	16.22	17.50	12.00					
	106	5530	11.89	13.50	11.89	13.50												11.49	13.00	11.89	13.50	6.22	8.00	11.89	13.50	10.57	12.00	95.78

5.8GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• At-Head Power Table, Standalone WLAN		• At-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worn Power Table, Standalone WLAN		• Body-Worn Power Table, Simultaneous WLAN+WWAN		• MHS (Mobile Hotspot) Power Table, Simultaneous WLAN+WWAN		• Handheld Reduced power table, Standalone WLAN		• Handheld Reduced power table, Simultaneous WLAN+WWAN		Duty Cycle %						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
802.11a 6Mbps	149	5745	17.34	19.00	17.34	19.00	Not Required	16.00	Not Required	16.00	Not Required	10.00	Not Required	10.00	17.34	19.00	16.00	16.00	97.97						
	157	5785	17.02	19.00	17.02	19.00														16.00	16.00	10.00	17.02	19.00	16.00
	165	5825	16.84	18.50	16.84	18.50														16.00	16.00	10.00	16.84	18.50	16.00
802.11n-HT20 MCSO	149	5745	17.22	19.00	17.22	19.00	Not Required	16.00	Not Required	16.00	Not Required	10.00	Not Required	10.00	17.22	19.00	16.00	16.00	97.78						
	157	5785	16.92	18.50	16.92	18.50														16.00	16.00	10.00	16.92	18.50	16.00
	165	5825	16.73	18.50	16.73	18.50														16.00	16.00	10.00	16.73	18.50	16.00
802.11n-HT40 MCSO	151	5755	16.33	18.00	16.33	18.00	Not Required	16.00	Not Required	16.00	Not Required	10.00	Not Required	10.00	16.33	18.00	Not Required	16.00	96.40						
	159	5795	16.10	18.00	16.10	18.00														16.00	16.00	10.00	16.10	18.00	16.00
	149	5745	16.62	18.50	16.62	18.50														16.00	16.00	10.00	16.62	18.50	16.00
802.11ac-VHT20 MCSO	157	5785	16.12	18.00	16.12	18.00	Not Required	16.00	Not Required	16.00	Not Required	10.													