

1664

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 M Ω 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 Calibrator Box V2.1	SE UWS 053 AA 1001 SE UMS 006 AA 1002	07-Jan-21 (in house check) 07-Jan-21 (in house check)	In house check: Jan-22 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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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 = $6.1\mu V$, 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 (μ V)	Difference (μ V)	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 (μ V)	Difference (μ V)	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 (μ V)	Low Range Average Reading (μ V)
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 (μ V)	Channel Y (μ V)	Channel Z (μ V)
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 $10M\Omega$

	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 ± 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: 101778	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. 217-03105)	Apr-21
DAE4	SN: 680	27-Dec-19 (No. DAE4-060_Dec19)	Dec-20
Reference Probe ES3DV2	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: 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-19)	In house check: Oct-20

Calibrated by:	Name: Leif Klyner	Function: Laboratory Technician	Signature:
Approved by:	Name: Kaija Pokovic	Function: Technical Manager	Signature:

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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:

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

Methods Applied and Interpretation of Parameters:

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

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

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.56	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 ^C (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	85.05	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	8.08	0.00	150.0	$\pm 2.6\%$	$\pm 9.6\%$
		Y	0.51	80.00	6.74		150.0		
		Z	0.62	61.07	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		150.0		
		Z	4.72	65.75	15.64		150.0		

Note: For details on UID parameters see Appendix

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

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

^B Numerical linearization parameter: uncertainly not required.

^C 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 ⁻¹	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

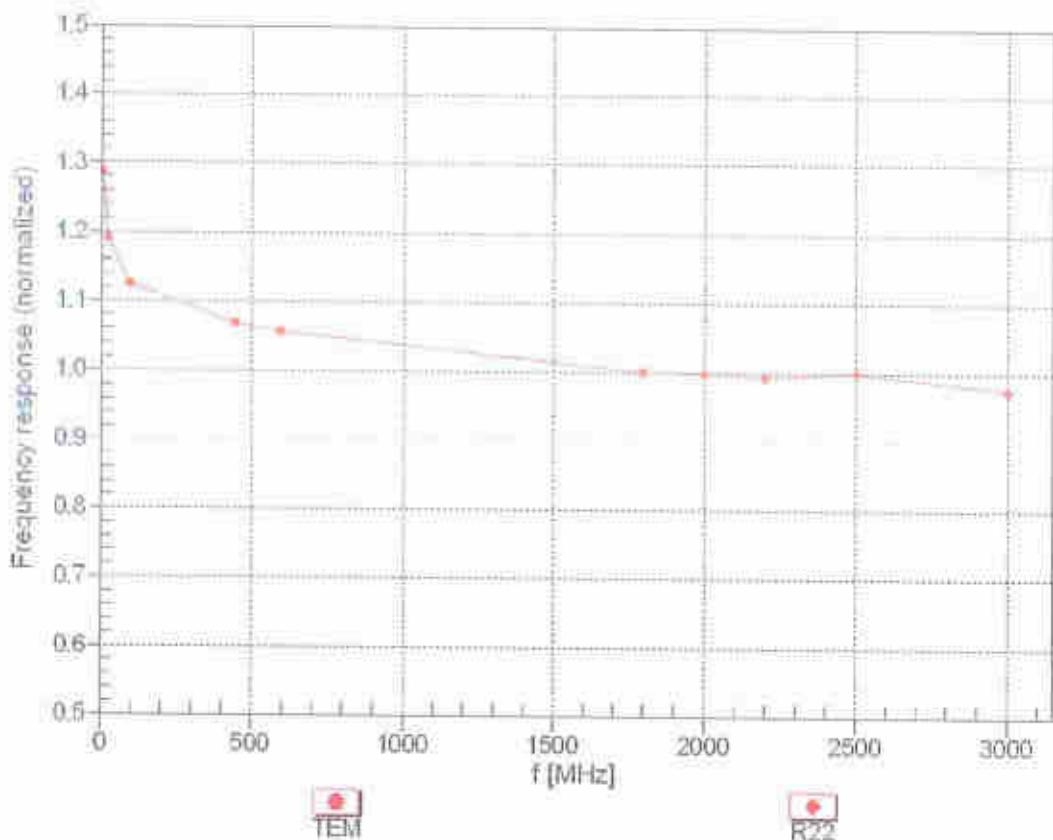
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^d	Depth ^a (mm)	Unc (k=2)
750	41.9	0.89	9.85	9.85	9.85	0.67	0.80	± 12.0 %
835	41.5	0.90	9.54	9.54	9.54	0.59	0.83	± 12.0 %
900	41.5	0.97	9.21	9.21	9.21	0.56	0.80	± 12.0 %
1750	40.1	1.37	8.62	8.62	8.62	0.40	0.86	± 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 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, 54, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

^e Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-8 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)

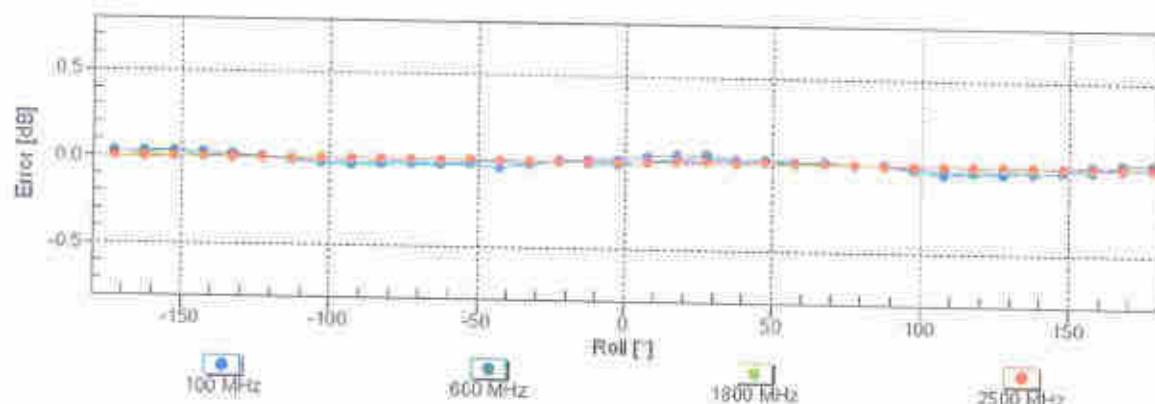


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

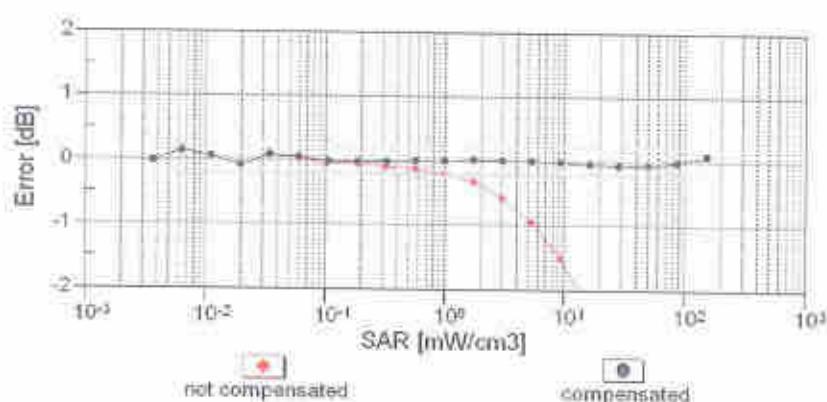
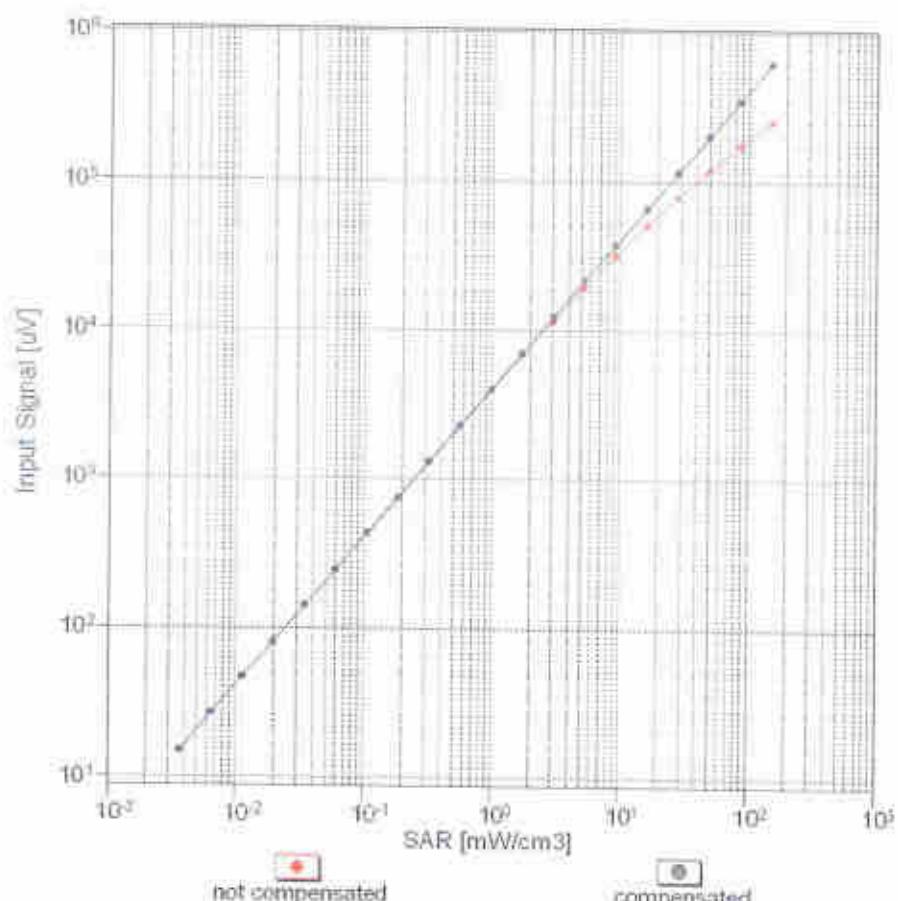
f=600 MHz, TEM

f=1800 MHz, R22



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

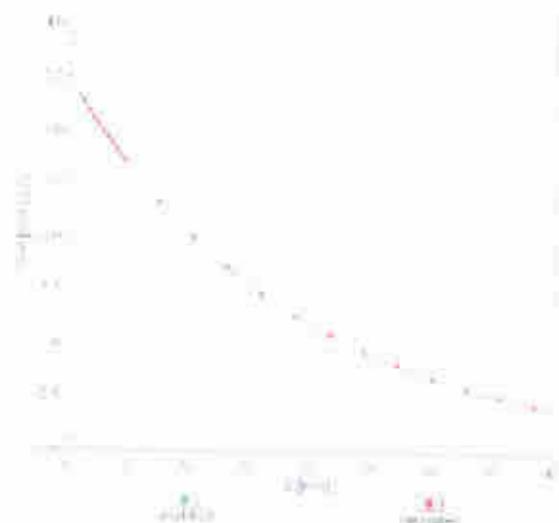
Dynamic Range f(SAR_{head})
 (TEM cell , f_{eval}= 1900 MHz)



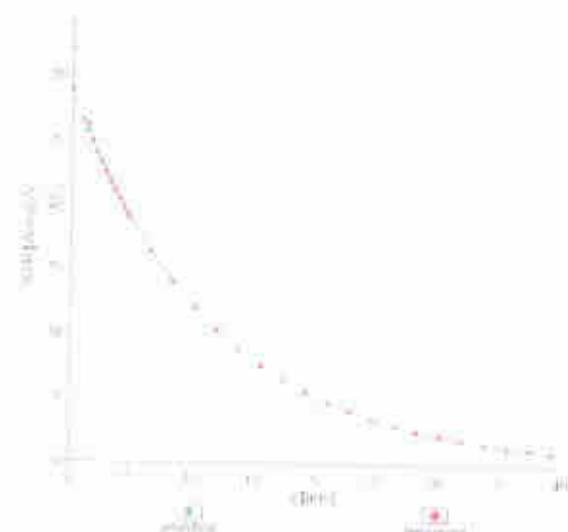
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment

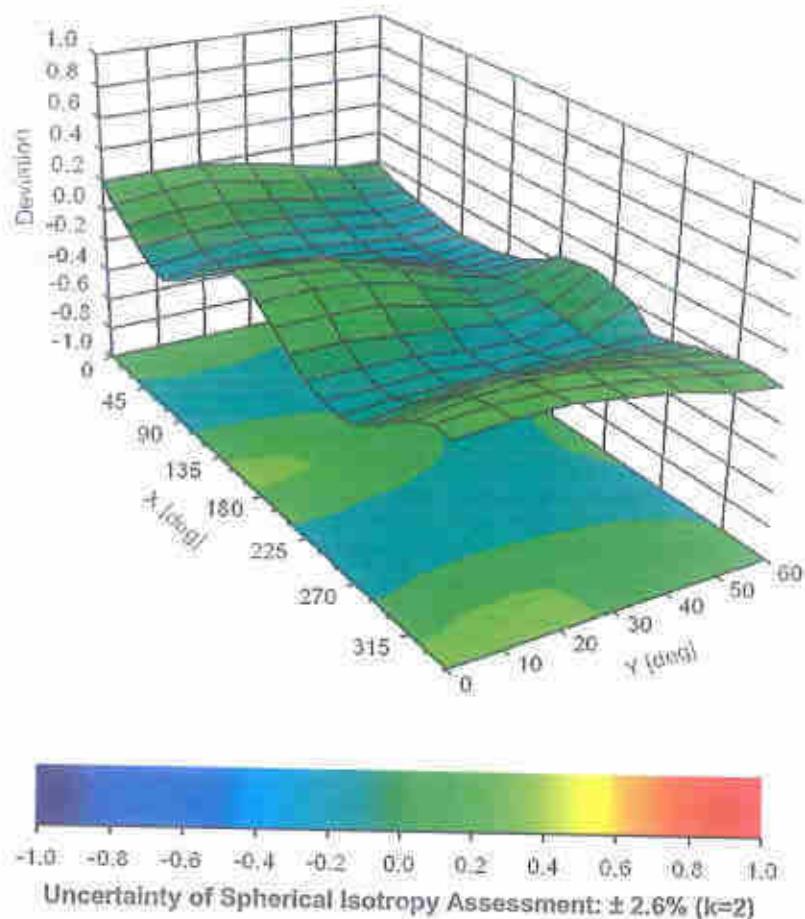
$f = 835 \text{ MHz, WGLS R9 (H_convF)}$



$f = 1900 \text{ MHz, WGLS R22 (H_convF)}$



Deviation from Isotropy in Liquid Error (ϕ, θ), $f = 900 \text{ MHz}$



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	± 9.6 %
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, 5 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	12.82	± 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 Mbps)	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	$\pm 9.6\%$
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	$\pm 9.6\%$
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	$\pm 9.6\%$
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	$\pm 9.6\%$
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	$\pm 9.6\%$
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	$\pm 9.6\%$
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	$\pm 9.6\%$
10108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	$\pm 9.6\%$
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6\%$
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	$\pm 9.6\%$
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	$\pm 9.6\%$
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	$\pm 9.6\%$
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	$\pm 9.6\%$
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	$\pm 9.6\%$
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	$\pm 9.6\%$
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	$\pm 9.6\%$
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	$\pm 9.6\%$
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	$\pm 9.6\%$
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	$\pm 9.6\%$
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	$\pm 9.6\%$
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	$\pm 9.6\%$
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	$\pm 9.6\%$
10144	DAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	$\pm 9.6\%$
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	$\pm 9.6\%$
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	$\pm 9.6\%$
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	$\pm 9.6\%$
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	$\pm 9.6\%$
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	$\pm 9.6\%$
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	$\pm 9.6\%$
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	$\pm 9.6\%$
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	$\pm 9.6\%$
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	$\pm 9.6\%$
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6\%$
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	$\pm 9.6\%$
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	$\pm 9.6\%$
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	$\pm 9.6\%$
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	$\pm 9.6\%$
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	$\pm 9.6\%$
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6\%$
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	$\pm 9.6\%$
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	$\pm 9.6\%$
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	$\pm 9.6\%$
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	$\pm 9.6\%$
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6\%$
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	$\pm 9.6\%$
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6\%$
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	$\pm 9.6\%$
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	$\pm 9.6\%$
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6\%$
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6\%$
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$

10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.72	$\pm 9.6\%$
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6\%$
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	$\pm 9.6\%$
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6\%$
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	$\pm 9.6\%$
10194	AAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	$\pm 9.6\%$
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	$\pm 9.6\%$
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	$\pm 9.6\%$
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	$\pm 9.6\%$
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	$\pm 9.6\%$
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	$\pm 9.6\%$
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	$\pm 9.6\%$
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	$\pm 9.6\%$
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	$\pm 9.6\%$
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	$\pm 9.6\%$
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	$\pm 9.6\%$
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	$\pm 9.6\%$
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	$\pm 9.6\%$
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	$\pm 9.6\%$
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	$\pm 9.6\%$
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	$\pm 9.6\%$
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	$\pm 9.6\%$
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	$\pm 9.6\%$
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6\%$
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	$\pm 9.6\%$
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6\%$
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	8.48	$\pm 9.6\%$
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6\%$
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	$\pm 9.6\%$
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	$\pm 9.6\%$
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	$\pm 9.6\%$
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	$\pm 9.6\%$
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	$\pm 9.6\%$
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	$\pm 9.6\%$
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	$\pm 9.6\%$
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	$\pm 9.6\%$
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	$\pm 9.6\%$
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	$\pm 9.6\%$
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	$\pm 9.6\%$
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	$\pm 9.6\%$
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	$\pm 9.6\%$
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	$\pm 9.6\%$
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	$\pm 9.6\%$
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	$\pm 9.6\%$
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	$\pm 9.6\%$
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	$\pm 9.6\%$
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	$\pm 9.6\%$

10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	$\pm 9.6\%$
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	$\pm 9.6\%$
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	$\pm 9.6\%$
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	$\pm 9.6\%$
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	$\pm 9.6\%$
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	$\pm 9.6\%$
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	$\pm 9.6\%$
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	$\pm 9.6\%$
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	$\pm 9.6\%$
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	$\pm 9.6\%$
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	$\pm 9.6\%$
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP RelB.10)	WCDMA	4.87	$\pm 9.6\%$
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP RelB.4)	WCDMA	3.96	$\pm 9.6\%$
10277	CAD	PHS (QPSK)	PHS	11.81	$\pm 9.6\%$
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	$\pm 9.6\%$
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	$\pm 9.6\%$
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	$\pm 9.6\%$
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	$\pm 9.6\%$
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	$\pm 9.6\%$
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	$\pm 9.6\%$
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 ft.	CDMA2000	12.49	$\pm 9.6\%$
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	$\pm 9.6\%$
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	$\pm 9.6\%$
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	$\pm 9.6\%$
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	$\pm 9.6\%$
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	$\pm 9.6\%$
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WIMAX	12.57	$\pm 9.6\%$
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	$\pm 9.6\%$
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	$\pm 9.6\%$
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	$\pm 9.6\%$
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.87	$\pm 9.6\%$
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	$\pm 9.6\%$
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	$\pm 9.6\%$
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WIMAX	14.58	$\pm 9.6\%$
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WIMAX	14.57	$\pm 9.6\%$
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	$\pm 9.6\%$
10313	AAD	IDEN 1:3	IDEN	10.51	$\pm 9.6\%$
10314	AAD	IDEN 1:6	IDEN	13.48	$\pm 9.6\%$
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	$\pm 9.6\%$
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	$\pm 9.6\%$
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	$\pm 9.6\%$
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	$\pm 9.6\%$
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	$\pm 9.6\%$
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	$\pm 9.6\%$
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	$\pm 9.6\%$
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	$\pm 9.6\%$
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	$\pm 9.6\%$
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	$\pm 9.6\%$
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	$\pm 9.6\%$
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	$\pm 9.6\%$
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	$\pm 9.6\%$
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	$\pm 9.6\%$
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	$\pm 9.6\%$
10403	AAB	CDMA2000(1xEV-DO, Rev. 0)	CDMA2000	3.76	$\pm 9.6\%$
10404	AAB	CDMA2000(1xEV-DO, Rev. A)	CDMA2000	3.77	$\pm 9.6\%$
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	$\pm 9.6\%$

10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	$\pm 9.6\%$
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	$\pm 9.6\%$
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	$\pm 9.6\%$
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	$\pm 9.6\%$
10417	AAA	IEEE 802.11a/b WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	$\pm 9.6\%$
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	$\pm 9.6\%$
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	$\pm 9.6\%$
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps; BPSK)	WLAN	8.32	$\pm 9.6\%$
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	$\pm 9.6\%$
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	$\pm 9.6\%$
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	$\pm 9.6\%$
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	$\pm 9.6\%$
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	$\pm 9.6\%$
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	$\pm 9.6\%$
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	$\pm 9.6\%$
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	$\pm 9.6\%$
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	$\pm 9.6\%$
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	$\pm 9.6\%$
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	$\pm 9.6\%$
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	$\pm 9.6\%$
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	$\pm 9.6\%$
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	$\pm 9.6\%$
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	$\pm 9.6\%$
10453	AAC	Validation (Square, 10ms, 1rms)	Test	10.00	$\pm 9.6\%$
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	$\pm 9.6\%$
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	$\pm 9.6\%$
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	$\pm 9.6\%$
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	$\pm 9.6\%$
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	$\pm 9.6\%$
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	$\pm 9.6\%$
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	$\pm 9.6\%$
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	$\pm 9.6\%$
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	$\pm 9.6\%$
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	$\pm 9.6\%$
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.58	$\pm 9.6\%$
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	$\pm 9.6\%$
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	$\pm 9.6\%$
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	$\pm 9.6\%$
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	$\pm 9.6\%$
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	$\pm 9.6\%$
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	$\pm 9.6\%$
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	$\pm 9.6\%$
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	$\pm 9.6\%$
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	$\pm 9.6\%$
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	$\pm 9.6\%$
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	$\pm 9.6\%$
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	$\pm 9.6\%$
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	$\pm 9.6\%$
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	$\pm 9.6\%$
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	$\pm 9.6\%$

10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	$\pm 9.6\%$
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	$\pm 9.6\%$
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	$\pm 9.6\%$
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	$\pm 9.6\%$
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	$\pm 9.6\%$
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	$\pm 9.6\%$
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	$\pm 9.6\%$
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	$\pm 9.6\%$
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	$\pm 9.6\%$
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	$\pm 9.6\%$
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	$\pm 9.6\%$
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	$\pm 9.6\%$
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	$\pm 9.6\%$
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	$\pm 9.6\%$
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	$\pm 9.6\%$
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	$\pm 9.6\%$
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	$\pm 9.6\%$
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	$\pm 9.6\%$
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	$\pm 9.6\%$
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	$\pm 9.6\%$
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	$\pm 9.6\%$
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	$\pm 9.6\%$
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	$\pm 9.6\%$
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	$\pm 9.6\%$
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	$\pm 9.6\%$
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	$\pm 9.6\%$
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	$\pm 9.6\%$
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	$\pm 9.6\%$
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	$\pm 9.6\%$
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	$\pm 9.6\%$
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	$\pm 9.6\%$
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	$\pm 9.6\%$
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	$\pm 9.6\%$
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	$\pm 9.6\%$
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	$\pm 9.6\%$
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	$\pm 9.6\%$
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	$\pm 9.6\%$
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	$\pm 9.6\%$
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	$\pm 9.6\%$
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	$\pm 9.6\%$
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	$\pm 9.6\%$
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	$\pm 9.6\%$
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	$\pm 9.6\%$
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	$\pm 9.6\%$
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	$\pm 9.6\%$
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	$\pm 9.6\%$
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	$\pm 9.6\%$
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	$\pm 9.6\%$
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	$\pm 9.6\%$
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	$\pm 9.6\%$

10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	$\pm 9.6\%$
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	$\pm 9.6\%$
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	$\pm 9.6\%$
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	$\pm 9.6\%$
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	$\pm 9.6\%$
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	$\pm 9.6\%$
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	$\pm 9.6\%$
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	$\pm 9.6\%$
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	$\pm 9.6\%$
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	$\pm 9.6\%$
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	$\pm 9.6\%$
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	$\pm 9.6\%$
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.55	$\pm 9.6\%$
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	$\pm 9.6\%$
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	$\pm 9.6\%$
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc do)	WLAN	8.25	$\pm 9.6\%$
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	$\pm 9.6\%$
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	$\pm 9.6\%$
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	$\pm 9.6\%$
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	$\pm 9.6\%$
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	$\pm 9.6\%$
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	$\pm 9.6\%$
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	$\pm 9.6\%$
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	$\pm 9.6\%$
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	$\pm 9.6\%$
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc dc)	WLAN	8.59	$\pm 9.6\%$
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	$\pm 9.6\%$
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	$\pm 9.6\%$
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	$\pm 9.6\%$
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	$\pm 9.6\%$
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	$\pm 9.6\%$
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	$\pm 9.6\%$
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	$\pm 9.6\%$
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	$\pm 9.6\%$
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	$\pm 9.6\%$
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	$\pm 9.6\%$
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	$\pm 9.6\%$
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	$\pm 9.6\%$
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	$\pm 9.6\%$
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	$\pm 9.6\%$
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	$\pm 9.6\%$
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	$\pm 9.6\%$
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	$\pm 9.6\%$
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	$\pm 9.6\%$
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	$\pm 9.6\%$
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	$\pm 9.6\%$
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	$\pm 9.6\%$
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	$\pm 9.6\%$
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	$\pm 9.6\%$
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	$\pm 9.6\%$
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	$\pm 9.6\%$
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	$\pm 9.6\%$
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	$\pm 9.6\%$
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	$\pm 9.6\%$

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

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

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

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	$\pm 9.6\%$
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	$\pm 9.6\%$
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	$\pm 9.6\%$
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	$\pm 9.6\%$
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	$\pm 9.6\%$
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	$\pm 9.6\%$
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	$\pm 9.6\%$
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	$\pm 9.6\%$
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	$\pm 9.6\%$
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	$\pm 9.6\%$
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	$\pm 9.6\%$
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	$\pm 9.6\%$
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	$\pm 9.6\%$
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	$\pm 9.6\%$
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	$\pm 9.6\%$
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	$\pm 9.6\%$
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	$\pm 9.6\%$
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	$\pm 9.6\%$
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	$\pm 9.6\%$
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	$\pm 9.6\%$
10808	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	$\pm 9.6\%$
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	$\pm 9.6\%$
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	$\pm 9.6\%$
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	$\pm 9.6\%$
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	$\pm 9.6\%$
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	$\pm 9.6\%$
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	$\pm 9.6\%$
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	$\pm 9.6\%$
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	$\pm 9.6\%$
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	$\pm 9.6\%$
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	$\pm 9.6\%$
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	$\pm 9.6\%$
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	$\pm 9.6\%$
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	$\pm 9.6\%$
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	$\pm 9.6\%$
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	$\pm 9.6\%$
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.88	$\pm 9.6\%$
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	$\pm 9.6\%$
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	$\pm 9.6\%$
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	$\pm 9.6\%$
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	$\pm 9.6\%$
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	$\pm 9.6\%$
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	$\pm 9.6\%$
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	$\pm 9.6\%$
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	$\pm 9.6\%$
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	$\pm 9.6\%$

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	$\pm 9.6\%$
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	$\pm 9.6\%$
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	$\pm 9.6\%$
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	$\pm 9.6\%$
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	$\pm 9.6\%$
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	$\pm 9.6\%$
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	$\pm 9.6\%$
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.52	$\pm 9.6\%$
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	$\pm 9.6\%$
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	$\pm 9.6\%$
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	$\pm 9.6\%$
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	$\pm 9.6\%$
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	$\pm 9.6\%$
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	$\pm 9.6\%$
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	$\pm 9.6\%$
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	$\pm 9.6\%$
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	$\pm 9.6\%$
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.98	$\pm 9.6\%$
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	$\pm 9.6\%$
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	$\pm 9.6\%$
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	$\pm 9.6\%$
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	$\pm 9.6\%$
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	$\pm 9.6\%$
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	$\pm 9.6\%$
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	$\pm 9.6\%$
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	$\pm 9.6\%$
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	$\pm 9.6\%$
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	$\pm 9.6\%$
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	$\pm 9.6\%$
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	$\pm 9.6\%$
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	$\pm 9.6\%$
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	$\pm 9.6\%$
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	$\pm 9.6\%$
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	$\pm 9.6\%$
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	$\pm 9.6\%$
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	$\pm 9.6\%$
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	$\pm 9.6\%$
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	$\pm 9.6\%$
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	$\pm 9.6\%$
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	$\pm 9.6\%$
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	$\pm 9.6\%$
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	$\pm 9.6\%$
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	$\pm 9.6\%$
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	$\pm 9.6\%$
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	$\pm 9.6\%$
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	$\pm 9.6\%$

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

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

Calibration Laboratory of
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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

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

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

Issued: March 15, 2021



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

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

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:

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

Methods Applied and Interpretation of Parameters:

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

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

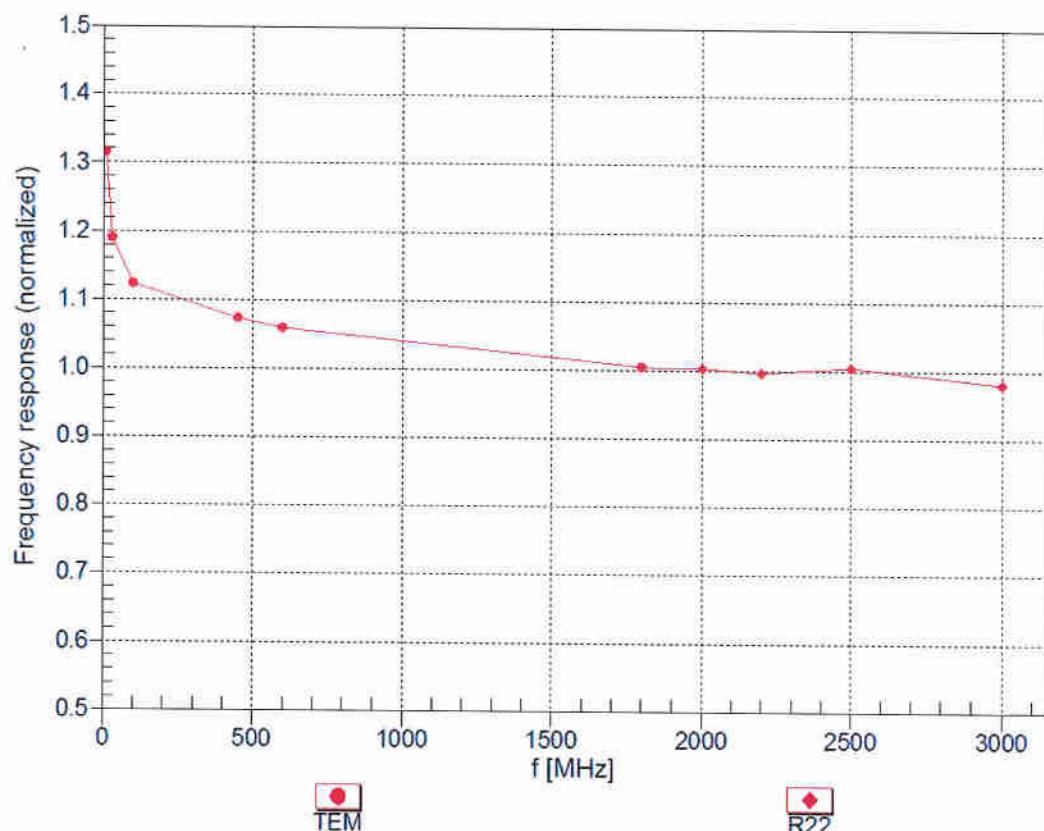
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	11.05	11.05	11.05	0.50	0.96	± 12.0 %
835	41.5	0.90	10.90	10.90	10.90	0.38	1.04	± 12.0 %
1750	40.1	1.37	9.41	9.41	9.41	0.31	0.86	± 12.0 %
1900	40.0	1.40	9.05	9.05	9.05	0.32	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.

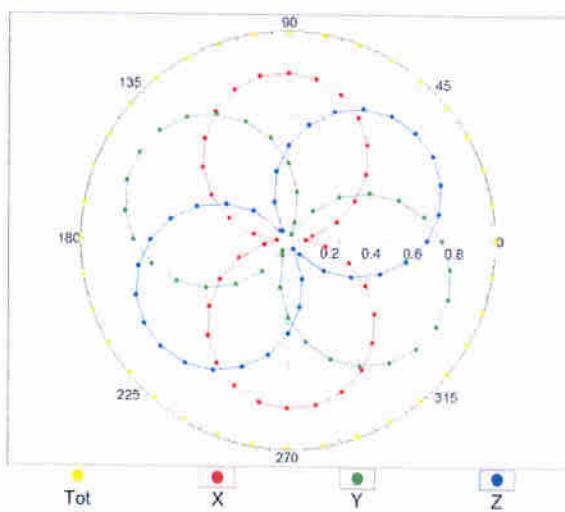
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



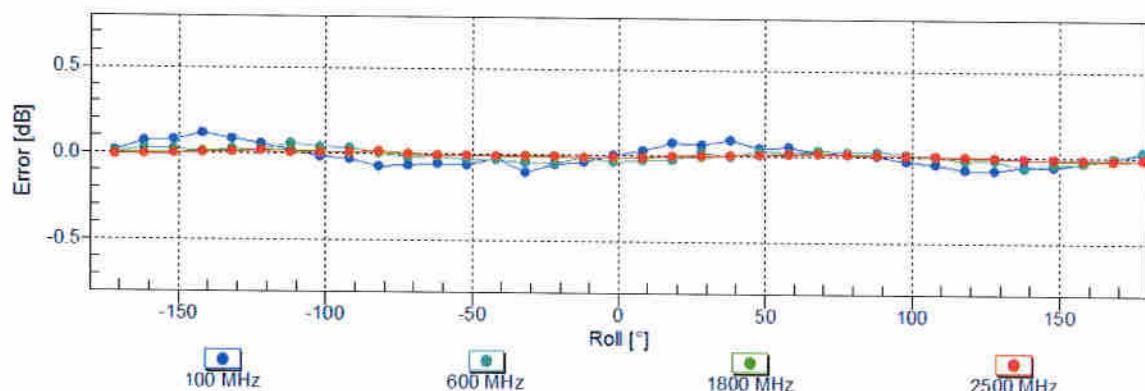
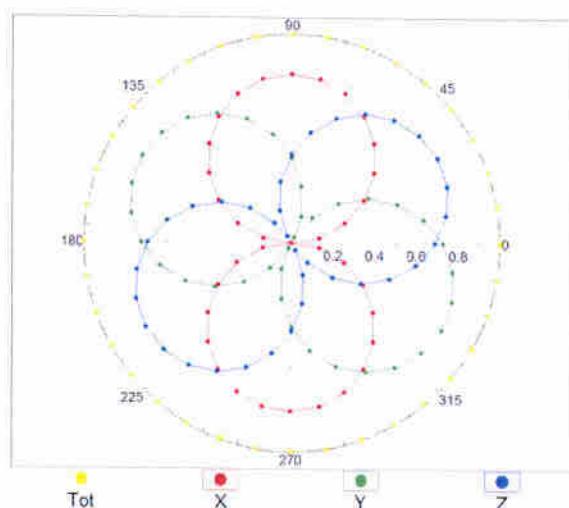
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz, TEM

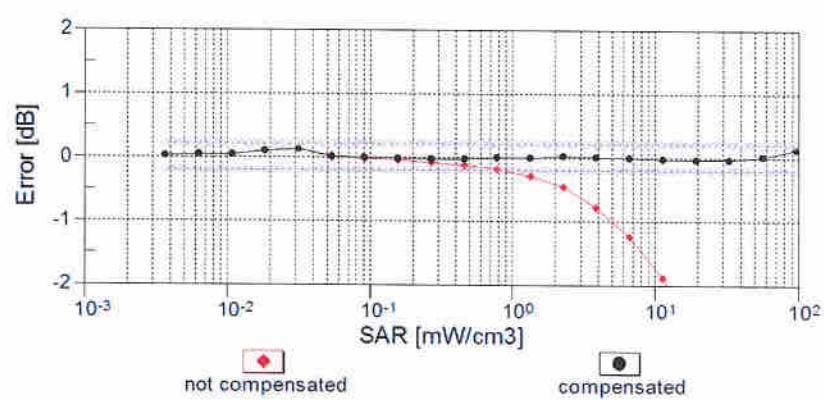
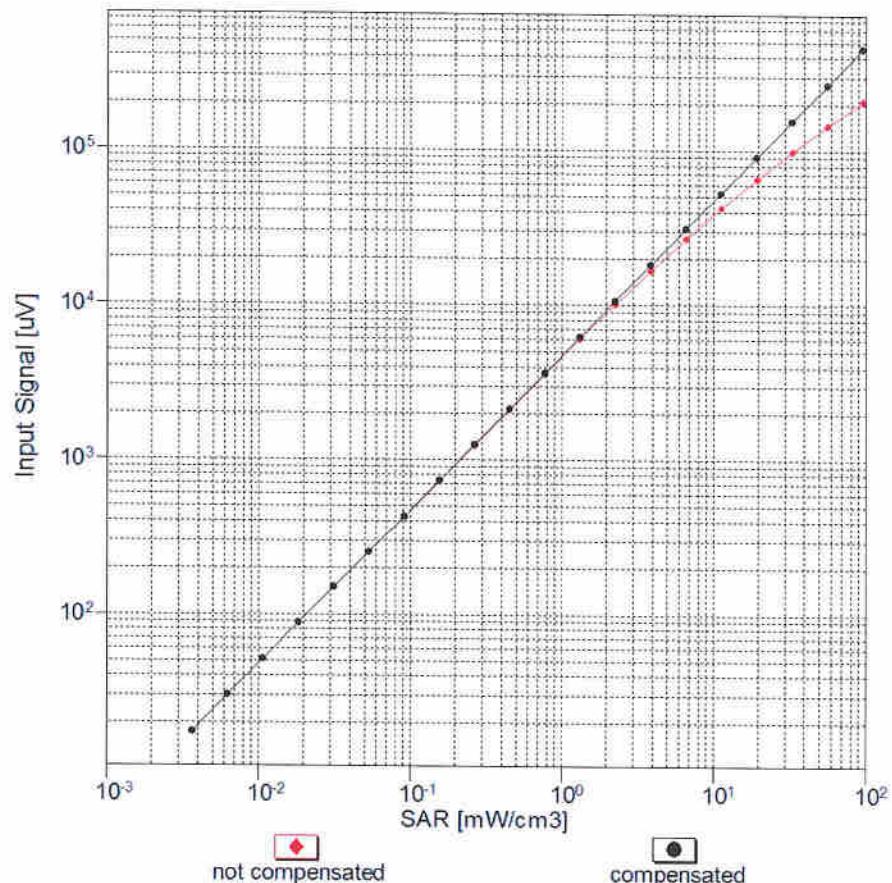


f=1800 MHz, R22



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

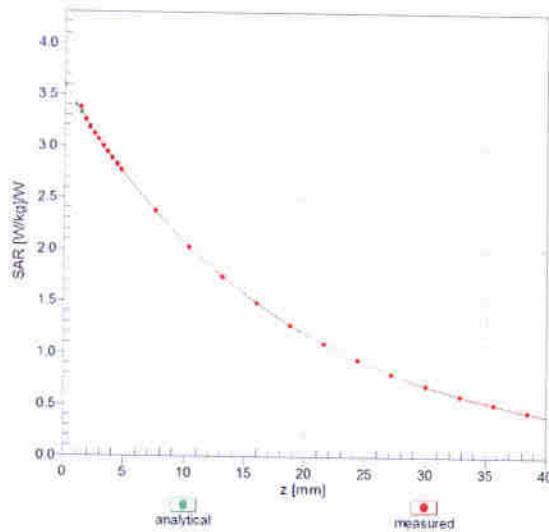
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



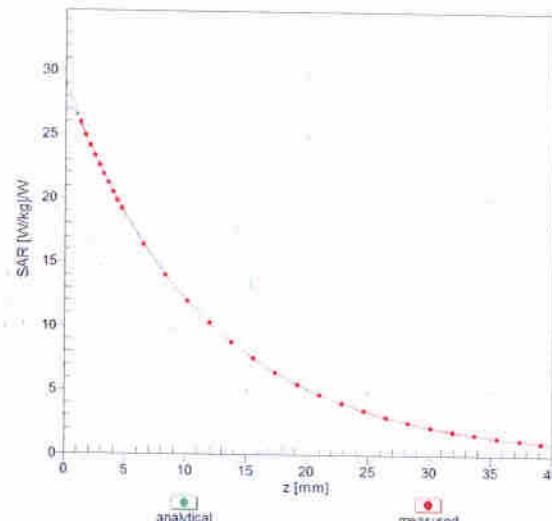
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment

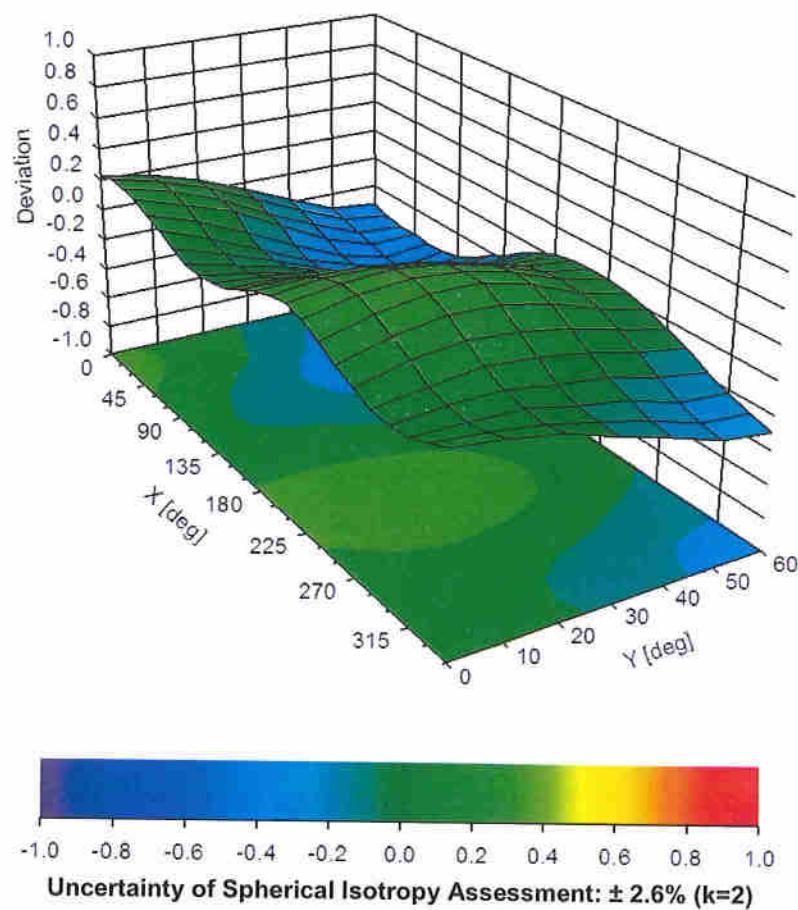
$f = 835 \text{ MHz}, \text{WGLS R9 (H_convF)}$



$f = 1900 \text{ MHz}, \text{WGLS R22 (H_convF)}$



Deviation from Isotropy in Liquid Error (ϕ, θ), $f = 900 \text{ MHz}$



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	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	$\pm 9.6 \%$
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	$\pm 9.6 \%$
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	$\pm 9.6 \%$
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	$\pm 9.6 \%$
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	$\pm 9.6 \%$
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	$\pm 9.6 \%$
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	$\pm 9.6 \%$
10108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	$\pm 9.6 \%$
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6 \%$
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	$\pm 9.6 \%$
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	$\pm 9.6 \%$
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	$\pm 9.6 \%$
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	$\pm 9.6 \%$
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	$\pm 9.6 \%$
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	$\pm 9.6 \%$
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	$\pm 9.6 \%$
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	$\pm 9.6 \%$
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	$\pm 9.6 \%$
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	$\pm 9.6 \%$
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	$\pm 9.6 \%$
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	$\pm 9.6 \%$
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6 \%$
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	$\pm 9.6 \%$
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	$\pm 9.6 \%$
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	$\pm 9.6 \%$
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	$\pm 9.6 \%$
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	$\pm 9.6 \%$
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	$\pm 9.6 \%$
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	$\pm 9.6 \%$
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	$\pm 9.6 \%$
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	$\pm 9.6 \%$
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	$\pm 9.6 \%$
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	$\pm 9.6 \%$
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6 \%$
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	$\pm 9.6 \%$
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	$\pm 9.6 \%$
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	$\pm 9.6 \%$
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	$\pm 9.6 \%$
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	$\pm 9.6 \%$
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	$\pm 9.6 \%$
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	$\pm 9.6 \%$
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	$\pm 9.6 \%$
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	$\pm 9.6 \%$
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	$\pm 9.6 \%$
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6 \%$
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6 \%$
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	$\pm 9.6 \%$
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6 \%$
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	$\pm 9.6 \%$
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6 \%$
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	$\pm 9.6 \%$
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6 \%$
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6 \%$
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	$\pm 9.6 \%$
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6 \%$
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6 \%$

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

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

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

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

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

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

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

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

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

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

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

^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)		Tune-up Limit (dBm)	
TX Channel	128	189	251	848.8	848.8	128	189	251	848.8
Frequency (MHz)	824.2	836.4	848.8			824.2	836.4	848.8	
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	23.60	23.20	23.40	24.50	17.60	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)		Tune-up Limit (dBm)	
TX Channel	512	661	810	1909.8	1909.8	512	661	810	1909.8
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM 1 Tx slot	29.39	29.12	29.37	30.50	20.39	20.12	20.37	21.50	
GPRS 1 Tx slot	29.41	29.16	29.42	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		WCDMA V_Ant0		WCDMA V_Ant0		WCDMA V_Ant0	
TX Channel	9262	9400	9538	1907.6	1907.6	4132	4162	4233	4233
Rx Channel	9662	9800	9938			4357	4407	4458	4458
Frequency (MHz)	1852.4	1880	1907.6			526.4	536.4	546.6	546.6
3GPP Rel 99 AMR 12.2Kbps	22.62	22.58	22.56	24.00	22.80	22.83	22.73	24.00	
3GPP Rel 99 RMC 12.2Kbps	22.68	22.62	22.60	24.00	22.81	22.85	22.77	24.00	
3GPP Rel 8 HSOPA Subset-1	21.51	21.53	21.49	23.00	21.93	21.98	21.88	23.00	
3GPP Rel 8 HSOPA Subset-2	21.54	21.51	21.54	23.00	21.93	21.88	21.89	23.00	
3GPP Rel 8 HSOPA Subset-3	21.10	21.07	20.66	22.50	21.45	21.37	21.37	22.50	
3GPP Rel 8 HSOPA Subset-4	20.98	21.07	20.98	22.50	21.39	21.38	21.41	22.50	
3GPP Rel 8 DC-HSOPA Subset-1	21.33	21.50	21.32	23.00	21.83	21.83	21.68	23.00	
3GPP Rel 8 DC-HSOPA Subset-2	21.62	21.49	21.39	23.00	21.74	21.79	21.84	23.00	
3GPP Rel 8 DC-HSOPA Subset-3	21.09	21.03	20.52	22.50	21.33	21.31	21.21	22.50	
3GPP Rel 8 DC-HSOPA Subset-4	20.90	20.87	20.87	22.50	21.25	21.31	21.21	22.50	
3GPP Rel 8 HSUPA Subset-1	21.56	21.52	21.53	23.00	21.93	21.84	21.86	23.00	
3GPP Rel 8 HSUPA Subset-2	19.49	19.50	19.56	21.00	19.92	19.86	19.82	21.00	
3GPP Rel 8 HSUPA Subset-3	20.56	20.56	20.54	22.00	20.88	20.86	20.83	22.00	
3GPP Rel 8 HSUPA Subset-4	19.50	19.54	19.50	21.00	19.92	19.88	19.89	21.00	
3GPP Rel 8 HSUPA Subset-5	21.50	21.40	21.50	23.00	21.90	21.90	21.90	23.00	
3GPP Rel 7 HSPA+ (16QAM) Subset-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 (dBm)	Power Middle Ch (dBm)	Power High Ch (dBm)	Tune-up limit (dBm)	MPR (dB)	RB Offset	Power Low Ch (dBm)	Power Middle Ch (dBm)
Channel				18700	18800	19000	22.60				
Frequency (MHz)				18700	18800	19000	22.60				
10	QPSK	1		22.26	22.30	22.34	24	0			
10	QPSK	1	49	22.24	22.27	22.31	24	0			
20	QPSK	1	99	22.20	22.21	22.22	24	0			
20	QPSK	50	0	21.52	21.54	21.43	24	0			
20	QPSK	50	24	21.49	21.46	21.46	23	1			
20	QPSK	50	36	21.49	21.46	21.46	23	1			
20	QPSK	50	50	21.44	21.40	21.47	23	1			
20	QPSK	50	75	21.44	21.40	21.47	23	1			
20	QPSK	100	0	21.44	21.40	21.47	23	1			
20	QPSK	100	24	21.45	21.42	21.57	23	1			
20	QPSK	100	36	21.45	21.42	21.57	23	1			
20	QPSK	100	50	20.95	20.97	20.40	23	1			
20	QPSK	100	75	20.95	20.97	20.40	23	1			
20	QPSK	100	50	20.53	20.51	20.57	22	2			
20	QPSK	100	36	20.48	20.45	20.49	22	2			
20	QPSK	100	24	20.48	20.45	20.49	22	2			
20	QPSK	100	0	20.43	20.31	20.33	22	2			
20	QPSK	1	49	18.75	17.67	17.84	19	5			
20	QPSK	1	99	17.62	17.67	17.61	19	5			
20	QPSK	50	0	17.67	17.68	17.61	19	5			
20	QPSK	50	24	19.55	19.50	19.49	19	5			
20	QPSK	50	50	19.40	19.44	19.42	19	5			
20	QPSK	50	75	19.40	19.44	19.42	19	5			
20	QPSK	100	0	19.48	19.53	19.54	19	5			
20	QPSK	100	24	19.48	19.53	19.54	19	5			
20	QPSK	100	36	19.48	19.53	19.54	19	5			
20	QPSK	100	50	19.48	19.53	19.54	19	5			
20	QPSK	100	75	17.63	17.66	17.66	19	5			
20	QPSK	100	50	17.63	17.66	17.66	19	5			
20	QPSK	100	24	17.63	17.66	17.66	19	5			
20	QPSK	100	0	17.63	17.66	17.66	19	5			
20	QPSK	100	12	22.35	22.32	22.22	24	0			
20	QPSK	100	24	22.25	22.32	22.45	24	0			
20	QPSK	100	36	21.42	21.38	21.40	23	1			
20	QPSK	100	50	21.38	21.35	21.40	23	1			
20	QPSK	100	75	21.38	21.35	21.40	23	1			
20	QPSK	100	50	21.38	21.35	21.40	23	1			
20	QPSK	100	24	21.38	21.35	21.40	23	1			
20	QPSK	100	0	21.38	21.35	21.40	23	1			
20	QPSK	1	74	22.35	22.32	22.29	23	1			
20	QPSK	1	12	22.25	22.32	22.45	23	1			
20	QPSK	1	24	21.66	21.63	21.66	23	1			
20	QPSK	1	36	21.39	21.43	21.54	23	1			
20	QPSK	1	50	21.39	21.43	21.54	23	1			
20	QPSK	1	75	21.38	21.40	21.32	23	1			
20	QPSK	1	1	21.70	21.40	21.96	23	1			
20	QPSK	1	3	21.70	21.40	21.96	23	1			
20	QPSK	1	7	21.70	21.41	21.59	23	1			
20	QPSK	1	12	20.41	20.42	20.44	22	2			
20	QPSK	1	24	20.46	20.42	20.49	22	2			
20	QPSK	1	36	20.46	20.42	20.49	22	2			
20	QPSK	1	50	20.46	20.42	20.49	22	2			
20	QPSK	1	75	20.46	20.42	20.49	22	2			
20	QPSK	1	100	20.43	20.34	20.51	22	2			
20	QPSK	1	1	20.62	20.65	20.65	22	2			
20	QPSK	1	3	20.62	20.65	20.65	22	2			
20	QPSK	1	7	20.62	20.65	20.65	22	2			
20	QPSK	1	12	20.62	20.65	20.65	22	2			
20	QPSK	1	24	20.62	20.65	20.65	22	2			
20	QPSK	1	36	20.62	20.65	20.65	22	2			
20	QPSK	1	50	20.62	20.65	20.65	22	2			
20	QPSK	1	75	20.62	20.65	20.65	22	2			
20	QPSK	1	100	20.62	20.65	20.65	22	2			
20	QPSK	1	1	20.74	20.75	20.74	22	2			
20	QPSK	1	3	20.74	20.75	20.74	22	2			
20	QPSK	1	7	20.74	20.75	20.74	22	2			
20	QPSK	1	12	20.74	20.75	20.74	22	2			
20	QPSK	1	24	20.74	20.75	20.74	22	2			
20	QPSK	1	36	20.74	20.75	20.74	22	2			
20	QPSK	1	50	20.74	20.75	20.74	22	2			
20	QPSK	1	75	20.74	20.75	20.74	22	2			
20	QPSK	1	100	20.74	20.75	20.74	22	2			
20	QPSK	1	1	20.84	20.85	20.84	22	2			
20	QPSK	1	3	20.84	20.85	20.84	22	2			
20	QPSK	1	7	20.84	20.85	20.84	22	2			
20	QPSK	1	12	20.84	20.85	20.84	22	2			
20	QPSK	1	24	20.84	20.85	20.84	22	2			
20	QPSK	1	36	20.84	20.85	20.84	22	2			
20	QPSK	1	50	20.84	20.85	20.84	22	2			
20	QPSK	1	75	20.84	20.85	20.84	22	2			
20	QPSK	1	100	20.84	20.85	20.84	22	2			
20	QPSK	1	1	20.94	20.95	20.94	22	2			
20	QPSK	1	3	20.94	20.95	20.94	22	2			
20	QPSK	1	7	20.94	20.95	20.94	22	2			
20	QPSK	1	12	20.94	20.95	20.94	22	2			
20	QPSK	1	24	20.94	20.95	20.94	22	2			
20	QPSK	1	36	20.94	20.95	20.94	22	2			
20	QPSK	1	50	20.94	20.95	20.94	22	2			
20	QPSK	1	75	20.94	20.95	20.94	22	2			
20	QPSK	1	100	20.94	20.95	20.94	22	2			
20	QPSK	1	1	21.04	21.05	21.04	23	1			
20	QPSK	1	3	21.04	21.05	21.04	23	1			
20	QPSK	1	7	21.04	21.05	21.04	23	1			
20	QPSK	1	12	21.04	21.05	21.04	23	1			
20	QPSK	1	24	21.04	21.05	21.04	23	1			
20	QPSK	1	36	21.04	21.05	21.04	23	1			
20	QPSK	1	50	21.04	21.05	21.04	23	1			
20	QPSK	1	75	21.04	21.05	21.04	23	1			
20	QPSK	1	100	21.04	21.05	21.04	23	1			
20	QPSK	1	1	21.14	21.15	21.14	23	1			
20	QPSK	1	3	21.14	21.15	21.14	23	1			
20	QPSK	1	7	21.14	21.15	21.14	23	1			
20	QPSK	1	12	21.14	21.15	21.14	23	1			
20	QPSK	1	24	21.14	21.15	21.14	23	1			
20	QPSK	1	36	21.14	21.15	21.14	23	1			
20	QPSK	1	50	21.14	21.15	21.14	23	1			
20	QPSK	1	75	21.14	21.15	21.14	23	1			
20	QPSK	1	100	21.14	21.15	21.14	23	1			
20	QPSK	1	1	21.24	21.25	21.24	23	1			
20	QPSK	1	3	21.24	21.25	21.24	23	1			
20	QPSK	1	7	21.24	21.25	21.24	23	1			
20	QPSK	1	12	21.24	21.25	21.24	23	1			
20	QPSK	1	24	21.24	21.25	21.24	23	1			
20	QPSK	1	36	21.24	21.25	21.24	23	1			
20	QPSK	1	50	21.24	21.25	21.24	23	1			
20	QPSK	1	75	21.24	21.25	21.24	23	1			
20	QPSK	1	100	21.24	21.25	21.24	23	1			
20	QPSK	1	1	21.34	21.35	21.34	23	1			
20	QPSK	1	3	21.34	21.35	21.34	23	1			
20	QPSK										



Band 7_Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Middle Ch (dBm)	Power High Ch (dBm)	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	0	22.77	22.82	22.87	22.77	24	0
20	QPSK	1	57	22.69	22.74	22.84	22.69	24	0
20	QPSK	1	99	22.78	22.77	22.81	22.78	23	1
20	QPSK	50	0	21.52	21.41	21.46	21.52	23	1
20	QPSK	50	24	21.54	21.37	21.44	21.54	23	1
20	QPSK	50	36	21.54	21.37	21.44	21.54	23	1
20	QPSK	50	57	21.54	21.37	21.44	21.54	23	1
20	QPSK	50	99	21.57	21.39	21.44	21.57	23	1
20	IQAM	1	0	21.52	21.36	21.39	21.52	23	1
20	IQAM	1	49	21.52	21.37	21.41	21.52	23	1
20	IQAM	1	75	21.52	21.37	21.41	21.52	23	1
20	IQAM	50	0	20.39	20.43	20.47	20.39	22	2
20	IQAM	50	24	20.37	20.39	20.50	20.37	22	2
20	IQAM	50	36	20.37	20.39	20.42	20.37	22	2
20	IQAM	50	57	20.37	20.39	20.48	20.37	22	2
20	IQAM	50	99	20.34	20.43	20.47	20.34	22	2
20	IQAM	1	49	20.35	20.37	20.36	20.35	22	2
20	IQAM	1	75	20.35	20.37	20.36	20.35	22	2
20	IQAM	50	0	19.39	19.43	19.48	19.39	21	3
20	IQAM	50	57	19.39	19.37	19.38	19.39	21	3
20	IQAM	50	99	19.38	19.37	19.38	19.38	21	3
20	IQAM	100	0	19.34	19.37	19.47	19.34	21	3
20	IQAM	100	57	19.34	19.37	19.47	19.34	21	3
20	IQAM	100	99	19.34	19.37	19.47	19.34	21	3
20	25QAM	1	0	17.33	17.47	17.59	17.33	19	5
20	25QAM	1	49	17.41	17.52	17.64	17.41	19	5
20	25QAM	1	75	17.41	17.52	17.64	17.41	19	5
20	25QAM	50	0	17.35	17.45	17.56	17.35	19	5
20	25QAM	50	24	17.35	17.45	17.56	17.35	19	5
20	25QAM	50	36	17.36	17.47	17.51	17.36	19	5
20	25QAM	50	57	17.36	17.47	17.51	17.36	19	5
20	25QAM	50	99	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	0	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	57	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	99	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	24	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	36	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	57	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	99	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	75	17.33	17.39	17.47	17.33	19	5
20	25QAM	100	49	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	24	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	36	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	57	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	99	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	75	17.34	17.39	17.48	17.34	19	5
20	25QAM	100	49	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	24	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	36	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	57	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	99	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	75	17.35	17.40	17.49	17.35	19	5
20	25QAM	100	49	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	24	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	36	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	57	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	99	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	75	17.36	17.41	17.50	17.36	19	5
20	25QAM	100	49	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	24	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	36	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	57	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	99	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	75	17.37	17.42	17.51	17.37	19	5
20	25QAM	100	49	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	24	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	36	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	57	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	99	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	75	17.38	17.43	17.52	17.38	19	5
20	25QAM	100	49	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	24	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	36	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	57	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	99	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	75	17.39	17.44	17.53	17.39	19	5
20	25QAM	100	49	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	24	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	36	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	57	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	99	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	75	17.40	17.45	17.54	17.40	19	5
20	25QAM	100	49	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	24	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	36	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	57	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	99	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	75	17.41	17.46	17.55	17.41	19	5
20	25QAM	100	49	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	24	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	36	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	57	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	99	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	75	17.42	17.47	17.56	17.42	19	5
20	25QAM	100	49	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	24	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	36	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	57	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	99	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	75	17.43	17.48	17.57	17.43	19	5
20	25QAM	100	49	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	24	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	36	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	57	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	99	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	75	17.44	17.49	17.58	17.44	19	5
20	25QAM	100	49	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	24	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	36	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	57	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	99	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	75	17.45	17.50	17.59	17.45	19	5
20	25QAM	100	49	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	24	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	36	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	57	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	99	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	75	17.46	17.51	17.60	17.46	19	5
20	25QAM	100	49	17.47	17.52	17.61	17.47	19	5
20	25QAM	100	24	17.47	17.52	17.61	17.47	19	5
20	25QAM	100	36	17.47	17.52	17.61	17.47	19	5
20	25QAM	100	57	17.47	17.52	17.61	1		



Band 38_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								
				37850	38000	38150		
20	QPSK	1	0	-23.78	-23.00	-21.01		
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	23	1
20	QPSK	50	24	-22.02	-22.03	-22.04		
20	QPSK	50	50	-21.95	-22.04	-21.84		
20	QPSK	100	0	-21.99	-21.96	-21.93		
20	QPSK	100	1	-21.99	-21.96	-21.93		
20	QPSK	100	49	-22.21	-22.17	-21.16	23	1
20	QPSK	100	99	-22.15	-22.37	-22.18		
20	QPSK	100	50	-20.93	-21.08	-20.93		
20	QPSK	100	24	-21.02	-21.17	-21.04	22	2
20	QPSK	100	50	-20.95	-21.16	-20.83		
20	QPSK	100	0	-20.95	-21.12	-21.05		
20	6QAM	1	0	-20.83	-20.94	-20.88		
20	6QAM	1	49	-20.81	-20.87	-20.93	22	2
20	6QAM	1	99	-20.94	-21.09	-21.02		
20	6QAM	50	0	-19.96	-19.97	-20.07		
20	6QAM	50	24	-20.01	-20.17	-19.97	21	3
20	6QAM	50	50	-19.98	-20.04	-19.98		
20	6QAM	100	0	-19.96	-20.11	-19.97		
20	256QAM	1	0	-17.75	-17.93	-17.64		
20	256QAM	1	49	-17.71	-17.81	-17.62	19	5
20	256QAM	1	99	-17.64	-17.73	-17.62		
20	256QAM	50	0	-18.04	-18.06	-17.85		
20	256QAM	50	24	-17.91	-18.07	-17.89	19	5
20	256QAM	50	50	-17.88	-17.94	-17.76		
20	256QAM	100	0	-17.82	-17.89	-17.78		
Channel								
				37825	38000	38175		
15	QPSK	1	0	-22.54	-22.50	-21.62		
15	QPSK	1	37	-22.79	-22.84	-22.71	24	0
15	QPSK	1	74	-22.99	-22.87	-22.78		
15	QPSK	36	0	-22.00	-21.99	-22.00		
15	QPSK	36	20	-22.04	-22.12	-21.97	23	1
15	QPSK	36	39	-22.08	-21.94	-21.94		
15	QPSK	75	0	-21.98	-21.95	-21.96		
15	QPSK	75	1	-22.00	-21.97	-21.96		
15	QPSK	75	49	-22.18	-22.53	-21.19	23	1
15	QPSK	75	99	-22.36	-22.31	-22.15		
15	QPSK	38	0	-21.03	-20.93	-20.84		
15	QPSK	38	20	-21.07	-20.93	-20.99	22	2
15	QPSK	38	39	-21.13	-20.97	-20.99		
15	QPSK	75	0	-21.08	-21.04	-20.95		
15	6QAM	1	0	-20.87	-20.85	-20.87		
15	6QAM	1	49	-20.88	-20.86	-20.84	22	2
15	6QAM	1	99	-20.91	-20.87	-20.84		
15	6QAM	36	0	-20.11	-19.94	-19.95		
15	6QAM	36	20	-20.19	-19.97	-19.99	21	3
15	6QAM	36	39	-20.13	-20.01	-19.93		
15	6QAM	75	0	-20.04	-19.95	-20.00		
15	256QAM	1	0	-17.91	-17.69	-17.46		
15	256QAM	1	37	-17.70	-17.69	-17.52	19	5
15	256QAM	1	74	-17.70	-17.69	-17.51		
15	256QAM	36	0	-17.95	-17.86	-17.77		
15	256QAM	36	20	-18.03	-17.77	-17.83	19	5
15	256QAM	36	39	-17.89	-17.74	-17.71		
15	256QAM	75	0	-17.88	-17.68	-17.72		
Channel								
				37800	38000	38150		
10	QPSK	1	0	-23.58	-23.59	-23.51		
10	QPSK	1	25	-22.91	-22.97	-22.79	24	0
10	QPSK	1	49	-22.97	-22.91	-22.83		
10	QPSK	25	0	-22.17	-22.18	-22.08		
10	QPSK	25	12	-22.25	-22.21	-22.01	23	1
10	QPSK	25	25	-22.24	-22.20	-22.01		
10	QPSK	50	0	-22.20	-22.19	-22.05		
10	QPSK	50	12	-22.23	-22.20	-22.01		
10	QPSK	50	25	-22.29	-22.25	-22.11	23	1
10	QPSK	75	0	-22.23	-22.20	-22.11		
10	QPSK	75	12	-22.23	-22.20	-22.11		
10	QPSK	75	25	-22.29	-22.25	-22.11	23	1
10	QPSK	75	39	-22.29	-22.25	-22.13		
10	QPSK	100	0	-22.23	-22.20	-22.11		
10	QPSK	100	12	-22.23	-22.20	-22.11		
10	QPSK	100	25	-22.29	-22.25	-22.11	23	1
10	QPSK	100	39	-22.29	-22.25	-22.13		
10	QPSK	100	50	-22.23	-22.20	-22.11		
10	6QAM	1	0	-21.88	-17.66	-17.53		
10	6QAM	1	25	-21.85	-21.85	-21.50	19	5
10	6QAM	1	49	-21.84	-21.81	-21.40		
10	6QAM	1	99	-21.84	-21.80	-21.47		
10	6QAM	25	0	-20.22	-20.41	-20.19		
10	6QAM	25	12	-20.36	-20.25	-20.24	21	3
10	6QAM	25	25	-20.25	-20.20	-20.20		
10	6QAM	50	0	-20.26	-20.23	-20.07		
10	256QAM	1	0	-17.88	-17.66	-17.53		
10	256QAM	1	25	-17.85	-17.85	-17.50	19	5
10	256QAM	1	49	-17.84	-17.81	-17.40		
10	256QAM	1	99	-17.84	-17.81	-17.40		
10	256QAM	25	0	-17.91	-17.92	-17.76		
10	256QAM	25	12	-17.98	-17.98	-17.85	19	5
10	256QAM	25	25	-17.92	-17.88	-17.59		
10	256QAM	50	0	-17.73	-17.71	-17.62		
Channel								
				37775	38000	38125		
5	QPSK	1	0	-22.54	-22.50	-21.65		
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	13	-22.17	-22.04	-21.92	23	1
5	QPSK	25	0	-22.21	-22.09	-22.02		
5	QPSK	25	7	-22.12	-22.29	-22.04		
5	QPSK	25	13	-22.17	-22.04	-21.92	23	1
5	QPSK	25	25	-22.21	-22.09	-22.02		
5	QPSK	50	0	-22.23	-22.20	-22.11		
5	QPSK	50	12	-22.23	-22.20	-22.11		
5	QPSK	50	24	-22.23	-22.20	-22.11	23	1
5	QPSK	50	39	-22.23	-22.20	-22.11		
5	QPSK	75	0	-22.23	-22.20	-22.11		
5	QPSK	75	12	-22.23	-22.20	-22.11		
5	QPSK	75	24	-22.23	-22.20	-22.11	23	1
5	QPSK	75	39	-22.23	-22.20	-22.11		
5	QPSK	100	0	-22.23	-22.20	-22.11		
5	QPSK	100	12	-22.23	-22.20	-22.11		
5	QPSK	100	24	-22.23	-22.20	-22.11	23	1
5	QPSK	100	39	-22.23	-22.20	-22.11		
5	QPSK	100	50	-22.23	-22.20	-22.11		
5	6QAM	1	0	-21.23	-21.13	-20.94		
5	6QAM	1	7	-21.55	-21.28	-20.83	22	2
5	6QAM	12	13	-21.49	-21.26	-21.04		
5	6QAM	25	0	-21.23	-21.13	-20.86		
5	6QAM	25	7	-21.23	-21.13	-20.86		
5	6QAM	25	13	-21.23	-21.13	-20.86	22	2
5	6QAM	25	24	-21.23	-21.13	-20.86		
5	6QAM	25	39	-21.23	-21.13	-20.86		
5	6QAM	50	0	-21.23	-21.13	-20.86		
5	6QAM	50	12	-21.23	-21.13	-20.86		
5	6QAM	50	24	-21.23	-21.13	-20.86	22	2
5	6QAM	50	39	-21.23	-21.13	-20.86		
5	6QAM	50	50	-21.23	-21.13	-20.86		
5	256QAM	1	0	-17.82	-17.56	-17.45		
5	256QAM	1	12	-17.82	-17.56	-17.45	19	5
5	256QAM	1	24	-17.72	-17.63	-17.32		
5	256QAM	1	39	-17.72	-17.63	-17.32		
5	256QAM	12	0	-17.91	-18.03	-17.65		
5	256QAM	12	7	-18.01	-17.89	-17.76		
5	256QAM	12	13	-17.88	-17.83	-17.66	19	5
5	256QAM	25	0	-17.88	-17.83	-17.66		
5	256QAM	25	7	-17.88	-17.83	-17.66		
5	256QAM	25	13	-17.88	-17.83	-17.66	19	5
5	256QAM	25	24	-17.88	-17.83	-17.66		
5	256QAM	25	39	-17.88	-17.83	-17.66		
5	256QAM	25	50	-17.88	-17.83	-17.66		
5	256QAM	50	0	-17.88	-17.77	-17.58		
5	256QAM	50	12	-17.88	-17.77	-17.58		
5	256QAM	50	24	-17.88	-17.77	-17.58		



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			42180	42590	42980			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	0	20.29	20.39	20.35			
20	QPSK	1	49	20.24	20.38	20.33	21.5	0	
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			
20	16QAM	1	0	20.15	20.25	20.34			
20	16QAM	1	49	20.12	20.23	20.32	21.5	0	
20	16QAM	1	99	20.10	20.15	20.29			
20	16QAM	50	0	20.11	20.19	20.29			
20	16QAM	50	24	20.09	20.17	20.29	21.5	0	
20	16QAM	50	50	20.03	20.04	20.24			
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			
20	256QAM	50	24	17.67	18.02	18.02	19	2.5	
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	20.29	20.35			
15	QPSK	75	0	20.23	20.30	20.38			
15	16QAM	1	0	20.23	20.30	20.38			
15	16QAM	1	37	20.16	20.21	20.35	21.5	0	
15	16QAM	1	74	20.16	20.29	20.35			
15	16QAM	36	0	20.19	20.30	20.29			
15	16QAM	36	20	20.18	20.25	20.34	21.5	0	
15	16QAM	36	39	20.16	20.25	20.31			
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			
15	256QAM	36	20	17.52	17.89	17.87	19	2.5	
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			
10	16QAM	1	0	20.25	20.29	20.20			
10	16QAM	1	25	20.01	19.99	20.29	21.5	0	
10	16QAM	1	49	20.13	20.32	20.15			
10	16QAM	25	0	20.19	20.09	20.33			
10	16QAM	25	12	19.92	20.27	20.21	21.5	0	
10	16QAM	25	25	20.13	20.20	20.37			
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			
10	256QAM	25	12	17.58	17.67	17.88	19	2.5	
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			
5	16QAM	1	0	20.07	19.99	20.20			
5	16QAM	1	12	20.00	20.25	20.35	21.5	0	
5	16QAM	1	24	20.12	20.21	20.12			
5	16QAM	12	0	19.93	20.09	20.14			
5	16QAM	12	7	19.86	19.89	20.25	21.5	0	
5	16QAM	12	13	19.78	19.81	19.96			
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			
5	256QAM	1	12	17.33	17.59	17.49	19	2.5	
5	256QAM	1	24	17.53	17.55	17.67			
5	256QAM	12	0	17.62	17.80	17.83			
5	256QAM	12	7	17.50	17.80	17.81			
5	256QAM	12	13	17.44	17.90	17.75	19	2.5	
5	256QAM	25	0	17.52	17.67	17.82			



Reduced Power Mode for Hotspot on

		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
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	
		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
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	
		WCDMA II_Ant0			WCDMA V_Ant0			Tune-up Limit (dBm)	
Band		9262	9400	9538	4132	4162	4233	4132	4162
TX Channel		9662	9800	9938	4357	4407	4458	4357	4407
Rx Channel		1852.4	1880	1907.6	526.4	536.4	546.6	526.4	536.4
Frequency (MHz)									
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	14.64	14.62	14.56	16.00	20.41	20.47	20.46	21.50
3GPP Rel 8	HSDPA Subest-1	13.65	13.70	13.61	15.00	19.31	19.45	19.41	20.50
3GPP Rel 8	HSDPA Subest-2	13.68	13.74	13.61	15.00	19.39	19.38	19.46	20.50
3GPP Rel 8	HSDPA Subest-3	13.10	13.22	13.14	14.50	18.82	18.91	18.83	20.00
3GPP Rel 8	HSDPA Subest-4	13.12	13.27	13.19	14.50	18.87	18.91	18.94	20.00
3GPP Rel 8	DC-HSDPA Subest-1	13.57	13.64	13.55	15.00	19.30	19.40	19.37	20.50
3GPP Rel 8	DC-HSDPA Subest-2	13.51	13.61	13.58	15.00	19.24	19.33	19.36	20.50
3GPP Rel 8	DC-HSDPA Subest-3	13.01	13.19	13.04	14.50	18.74	18.89	18.80	20.00
3GPP Rel 8	DC-HSDPA Subest-4	13.00	13.17	13.06	14.50	18.75	18.85	18.83	20.00
3GPP Rel 8	HSUPA Subest-1	13.75	13.65	13.75	15.00	19.37	19.43	19.40	20.50
3GPP Rel 8	HSUPA Subest-2	11.57	11.70	11.90	13.00	17.36	17.39	17.43	18.50
3GPP Rel 8	HSUPA Subest-3	12.64	12.79	12.67	14.00	18.36	18.39	18.44	19.50
3GPP Rel 8	HSUPA Subest-4	11.67	11.56	11.49	13.00	17.37	17.44	17.38	18.50
3GPP Rel 8	HSUPA Subest-5	13.60	13.50	13.50	15.00	19.40	19.40	19.40	20.50
3GPP Rel 7	HSPa+(16QAM) Subest-1	11.70	11.60	11.60	12.50	17.10	17.20	17.00	18.00



Band 2_Ant0

Band 5_Ant0

Band 5_Anto											
BW [Hz]	Modulation	RB Size	RB Offset	Power Ch. [mW]	Tune-up [dBm]	MPR [dB]					
Channel	Frequency (MHz)			20450	20525	20600	20675	20750			
10	QPSK	1	0	21.16	21.20	21.24	21.28	21.32	22.5	0	
10	QPSK	1	25	21.10	21.12	21.14	21.16	21.18			
10	QPSK	1	49	21.07	21.06	21.04	21.03	21.02			
10	QPSK	25	0	21.19	21.21	21.23	21.25	21.27	22.5	0	
10	QPSK	25	25	21.10	21.11	21.16	21.18	21.20			
10	QPSK	25	49	21.13	21.16	21.20	21.23	21.26			
10	QAM	1	0	21.16	21.20	21.23	21.27	21.33	22.5	0	
10	QAM	1	25	21.10	21.12	21.14	21.16	21.18			
10	QAM	1	49	21.13	21.20	21.22	21.26	21.28			
10	QAM	25	0	20.70	20.70	20.70	20.70	20.68	22	0.5	
10	QAM	25	25	20.78	20.78	20.78	20.78	20.78			
10	QAM	25	49	20.78	20.78	20.78	20.78	20.78			
10	QAM	50	0	20.78	20.69	20.69	20.67	20.65			
10	QAM	50	25	20.83	20.86	20.86	20.82	20.82			
10	QAM	50	49	20.77	20.84	20.84	20.87	20.87	22	0.5	
10	QAM	125	0	20.83	20.84	20.84	20.87	20.87			
10	QAM	125	25	0	19.77	19.75	19.75	19.72	19.72		
10	QAM	125	49	0	19.68	19.73	19.73	19.72	19.72	21	1.5
10	QAM	125	25	0	19.77	19.74	19.74	19.72	19.72		
10	QAM	125	49	0	19.68	19.71	19.71	19.70	19.70		
10	25QAM	1	0	17.82	17.97	17.85	17.85	17.85			
10	25QAM	1	25	17.85	17.91	17.89	17.89	17.85	19	3.5	
10	25QAM	1	49	17.90	17.86	17.86	17.86	17.85			
10	25QAM	25	0	17.82	17.97	17.85	17.85	17.85			
10	25QAM	25	25	17.84	17.84	17.84	17.84	17.85	19	3.5	
10	25QAM	25	49	17.70	17.83	17.83	17.83	17.85			
10	25QAM	50	0	17.81	17.77	17.75	17.75	17.75			
10	25QAM	50	25	17.84	17.84	17.84	17.84	17.85			
10	25QAM	50	49	17.70	17.76	17.76	17.76	17.75			
5	QPSK	1	0	21.17	21.24	21.23	21.23	21.23	22.5	0	
5	QPSK	1	25	21.14	21.21	21.20	21.20	21.20			
5	QPSK	1	49	21.24	21.20	21.19	21.18	21.17			
5	QPSK	25	0	21.17	21.20	21.21	21.23	21.25	22.5	0	
5	QPSK	25	25	21.18	21.20	21.21	21.23	21.25			
5	QPSK	25	49	21.17	21.20	21.21	21.23	21.25			
5	QPSK	50	0	21.11	21.09	20.99	20.99	20.99	22	0.5	
5	QPSK	50	25	21.10	21.16	21.09	21.09	21.09			
5	QPSK	50	49	21.05	21.09	21.09	21.09	21.09			
5	QAM	1	0	21.22	21.18	21.09	21.04	21.04	22.5	0	
5	QAM	1	25	21.18	21.20	21.16	21.04	21.04			
5	QAM	1	49	21.24	21.16	21.01	20.94	20.94			
5	QAM	25	0	20.74	20.74	20.65	20.60	20.60	22	0.5	
5	QAM	25	25	20.74	20.74	20.65	20.60	20.60			
5	QAM	25	49	20.74	20.74	20.65	20.60	20.60			
5	QAM	50	0	20.71	20.71	20.68	20.63	20.63			
5	QAM	50	25	20.74	20.74	20.68	20.63	20.63			
5	QAM	50	49	20.74	20.74	20.68	20.63	20.63			
5	25QAM	1	0	17.86	17.86	17.86	17.86	17.86	19	3.5	
5	25QAM	1	25	17.86	17.86	17.86	17.86	17.86			
5	25QAM	1	49	17.86	17.86	17.86	17.86	17.86			
5	25QAM	25	0	17.87	17.87	17.87	17.87	17.87	19	3.5	
5	25QAM	25	25	17.87	17.77	17.77	17.75	17.75			
5	25QAM	25	49	17.87	17.77	17.77	17.75	17.75			
5	25QAM	50	0	17.86	17.86	17.86	17.86	17.86	19	3.5	
5	25QAM	50	25	17.87	17.87	17.87	17.87	17.87			
5	25QAM	50	49	17.87	17.87	17.87	17.87	17.87			
3	QPSK	1	0	21.18	21.22	21.21	21.21	21.21	22.5	0	
3	QPSK	1	25	21.15	21.20	21.20	21.20	21.20			
3	QPSK	1	49	21.20	21.15	21.14	21.04	21.04			
3	QPSK	25	0	21.21	21.21	21.21	21.21	21.21	22.5	0	
3	QPSK	25	25	21.21	21.21	21.21	21.21	21.21			
3	QPSK	25	49	21.21	21.21	21.21	21.21	21.21			
3	QPSK	50	0	20.98	20.98	20.98	20.98	20.98	22	0.5	
3	QPSK	50	25	20.98	20.98	20.98	20.98	20.98			
3	QPSK	50	49	20.98	20.98	20.98	20.98	20.98			
3	QAM	1	0	20.99	21.03	21.07	21.07	21.07	22.5	0	
3	QAM	1	8	21.10	21.03	21.03	21.17	21.20			
3	QAM	1	14	20.94	21.02	21.02	21.04	21.04			
3	QAM	8	0	21.21	21.21	21.21	21.21	21.21	22.5	0	
3	QAM	8	4	21.11	21.23	21.23	20.98	20.98			
3	QAM	15	0	20.98	20.98	20.98	20.98	20.98	22	0.5	
3	QAM	15	8	20.98	20.98	20.98	20.98	20.98			
3	QAM	15	14	20.99	21.03	21.07	21.07	21.07			
3	QAM	25	0	20.98	20.98	20.98	20.98	20.98	22	0.5	
3	QAM	25	8	20.98	20.98	20.98	20.98	20.98			
3	QAM	25	14	20.98	20.98	20.98	20.98	20.98			
3	QAM	49	0	20.98	20.98	20.98	20.98	20.98	22	0.5	
3	QAM	49	8	20.98	20.98	20.98	20.98	20.98			
3	QAM	49	14	20.98	20.98	20.98	20.98	20.98			
3	QAM	84	0	20.98	20.98	20.98	20.98	20.98	22	0.5	
3	QAM	84	8	20.98	20.98	20.98	20.98	20.98			
3	QAM	84	14	20.98	20.98	20.98	20.98	20.98			
3	QAM	84	25	20.98	20.98	20.98	20.98	20.98			
3	QAM	84	49	20.98	20.98	20.98	20.98	20.98			
3	QAM	84	125	20.98	20.98	20.98	20.98	20.98	22	1.5	
3	QPSK	1	0	21.03	20.97	20.97	20.91	20.25	22.5	0	
3	QPSK	1	5	20.99	20.86	20.74	20.74	20.74			
3	QPSK	3	0	21.03	20.90	20.80	20.85	20.75			
3	QPSK	3	4	20.99	20.86	20.74	20.74	20.74			
3	QPSK	9	0	21.03	20.90	20.80	20.85	20.75			
3	QPSK	9	4	20.99	20.86	20.74	20.74	20.74			
3	QPSK	3	0	21.04	20.96	20.96	20.85	20.85			
3	QPSK	3	6	0	21.04	20.96	20.96	20.85	20.85	22.5	0
3	QAM	1	0	21.12	21.09	21.09	20.95	20.95	22.5	0	
3	QAM	1	25	21.09	21.04	21.04	20.95	20.95			
3	QAM	1	49	21.09	21.04	21.04	20.95	20.95			
3	QAM	5	0	21.04	21.04	21.04	20.95	20.95			
3	QAM	5	3	0	21.03	21.03	21.03	20.95	20.95		
3	QAM	5	14	0	21.03	21.03	21.03	20.95	20.95		
3	QAM	5	25	0	21.03	21.03	21.03	20.95	20.95		
3	QAM	5	49	0	21.03	21.03	21.03	20.95	20.95		
3	QAM	5	125	0	21.03	21.03	21.03	20.95	20.95	21	1.5
3	25QAM	1	0	17.84	17.93	17.87	17.67	17.67			
3	25QAM	1	3	17.87	17.86	17.86	17.65	17.65			
3	25QAM	3	0	17.88	17.93	17.87	17.70	17.70			
3	25QAM	3	4	17.88	17.93	17.87	17.70	17.70			
3	25QAM	3	14	0	17.88	17.93	17.87	17.70	17.70		
3	25QAM	3	25	0	17.88	17.93	17.87	17.70	17.70		
3	25QAM	3	49	0	17.88	17.93	17.87	17.70	17.70		
3	25QAM	5	0	17.85	17.86	17.86	17.65	17.65			
3	25QAM	5	3	0	17.85	17.86	17.86	17.65	17.65		
3	25QAM	5	14	0	17.85	17.86	17.86	17.65	17.65		
3	25QAM	5	25	0	17.85	17.86	17.86	17.65	17.65		
3	25QAM	5	49	0	17.85	17.86	17.86	17.65	17.65		
3	25QAM	5	125	0	17.85	17.86	17.86	17.65	17.65	19	3.5

Band 7_Ant1

Band 7_Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up (dBm)	Tune-up (dBm)	MFR (dB)		
Channel		Frequency (MHz)		20850		21100		21350		21600	
Frequency (MHz)		0		-17.00		-17.00		-17.00		-17.00	
20		QPSK		1		49		-17.26		-17.33	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	
20		QPSK		1		49		-17.26		-17.31	

Band 26_Ant0

Band 26_Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	MRR [dB]					
Channel				C/I [Freq]	58868	58868	58865	58865	58865	
15	QPSK	1	0	21.00	21.00	21.00	21.00	21.00	21.00	0
15	QPSK	1	37	21.21	21.21	21.21	21.21	21.21	21.21	0
15	QPSK	1	74	21.17	21.17	21.17	21.17	21.17	21.17	0
15	QPSK	36	0	21.18	21.25	21.25	21.25	21.25	21.25	0
15	QPSK	36	1	20.98	21.05	21.05	21.05	21.05	21.05	0
15	QPSK	36	39	21.13	21.21	21.21	21.21	21.21	21.21	0
15	QPSK	75	0	21.17	21.23	21.23	21.23	21.23	21.23	0
15	16QAM	1	0	21.17	21.26	21.26	21.26	21.26	21.26	0
15	16QAM	1	74	21.17	21.23	21.23	21.23	21.23	21.23	0
15	16QAM	1	74	21.17	21.23	21.23	21.23	21.23	21.23	0
15	16QAM	36	0	20.48	20.49	20.49	20.49	20.49	20.49	0
15	16QAM	36	20	20.46	20.53	20.53	20.53	20.53	20.53	0
15	16QAM	36	39	20.46	20.53	20.53	20.53	20.53	20.53	0
15	16QAM	75	0	19.44	19.52	19.52	19.52	19.52	19.52	0
15	256QAM	1	0	20.42	20.50	20.50	20.50	20.50	20.50	0
15	256QAM	1	0	20.50	20.57	20.57	20.57	20.57	20.57	0
15	256QAM	1	37	20.66	20.57	20.57	20.57	20.57	20.57	0
15	256QAM	1	74	20.66	20.57	20.57	20.57	20.57	20.57	0
15	256QAM	36	0	17.80	17.80	17.80	17.80	17.80	17.80	0
15	256QAM	36	39	17.84	17.76	17.76	17.76	17.76	17.76	0
15	256QAM	75	0	17.63	17.69	17.69	17.69	17.69	17.69	0
Channel					26740	26885	26885	26885	26885	MRR [dB]
Frequency [MHz]										
15	QPSK	1	0	21.30	21.16	21.16	21.16	21.16	21.16	0
15	QPSK	1	25	21.17	21.16	21.16	21.16	21.16	21.16	0
15	QPSK	1	49	21.22	21.15	21.15	21.15	21.15	21.15	0
15	QPSK	25	0	21.23	21.14	21.14	21.14	21.14	21.14	0
15	QPSK	25	25	21.23	21.14	21.14	21.14	21.14	21.14	0
15	QPSK	25	50	21.23	21.14	21.14	21.14	21.14	21.14	0
15	QPSK	25	75	21.23	21.14	21.14	21.14	21.14	21.14	0
15	QPSK	25	25	21.19	21.16	21.16	21.16	21.16	21.16	0
15	QPSK	50	0	21.23	21.15	21.15	21.15	21.15	21.15	0
15	16QAM	1	0	21.04	21.03	21.03	21.03	21.03	21.03	0
15	16QAM	1	74	21.04	21.03	21.03	21.03	21.03	21.03	0
15	16QAM	1	74	21.04	21.03	21.03	21.03	21.03	21.03	0
15	16QAM	25	0	19.81	19.89	19.89	19.89	19.89	19.89	0
15	16QAM	25	12	19.76	19.70	19.70	19.70	19.70	19.70	0
15	16QAM	25	25	19.75	19.73	19.73	19.73	19.73	19.73	0
15	16QAM	25	39	19.75	19.73	19.73	19.73	19.73	19.73	0
15	16QAM	25	50	19.75	19.73	19.73	19.73	19.73	19.73	0
15	16QAM	25	75	19.75	19.73	19.73	19.73	19.73	19.73	0
15	256QAM	1	0	17.75	17.85	17.85	17.85	17.85	17.85	0
15	256QAM	1	49	17.49	17.86	17.86	17.86	17.86	17.86	0
15	256QAM	1	74	17.49	17.86	17.86	17.86	17.86	17.86	0
15	256QAM	25	0	17.42	17.65	17.65	17.65	17.65	17.65	0
15	256QAM	25	25	17.42	17.65	17.65	17.65	17.65	17.65	0
15	256QAM	25	39	17.42	17.65	17.65	17.65	17.65	17.65	0
15	256QAM	25	50	17.42	17.65	17.65	17.65	17.65	17.65	0
15	256QAM	25	75	17.42	17.65	17.65	17.65	17.65	17.65	0
Channel					26715	26898	267015	26898	26898	MRR [dB]
Frequency [MHz]										
5	QPSK	1	0	21.27	21.16	21.08	21.08	21.08	21.08	22.5
5	QPSK	1	12	21.24	21.20	21.20	21.20	21.20	21.20	22.5
5	QPSK	1	24	21.20	21.17	21.01	21.01	21.01	21.01	22.5
5	QPSK	1	37	21.20	21.17	21.01	21.01	21.01	21.01	22.5
5	QPSK	12	0	21.27	20.81	20.57	20.57	20.57	20.57	22.5
5	QPSK	12	12	20.81	20.60	20.58	20.58	20.58	20.58	22.5
5	QPSK	12	25	20.74	20.60	20.58	20.58	20.58	20.58	22.5
5	QPSK	12	39	20.74	20.60	20.58	20.58	20.58	20.58	22.5
5	QPSK	12	50	20.74	20.60	20.58	20.58	20.58	20.58	22.5
5	QPSK	12	75	20.74	20.60	20.58	20.58	20.58	20.58	22.5
5	16QAM	1	0	21.23	21.16	21.01	21.01	21.01	21.01	0
5	16QAM	1	12	21.20	21.00	20.97	20.97	20.97	20.97	0
5	16QAM	1	24	20.90	20.90	20.80	20.80	20.80	20.80	0
5	16QAM	1	37	20.90	20.90	20.80	20.80	20.80	20.80	0
5	16QAM	1	50	20.90	20.90	20.80	20.80	20.80	20.80	0
5	16QAM	1	75	20.90	20.90	20.80	20.80	20.80	20.80	0
5	16QAM	25	0	20.74	20.60	20.58	20.58	20.58	20.58	0
5	16QAM	25	12	20.74	20.60	20.58	20.58	20.58	20.58	0
5	16QAM	25	25	20.74	20.60	20.58	20.58	20.58	20.58	0
5	16QAM	25	39	20.74	20.60	20.58	20.58	20.58	20.58	0
5	16QAM	25	50	20.74	20.60	20.58	20.58	20.58	20.58	0
5	16QAM	25	75	20.74	20.60	20.58	20.58	20.58	20.58	0
5	256QAM	1	0	19.81	19.89	19.89	19.89	19.89	19.89	0
5	256QAM	1	49	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	1	74	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	1	74	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	0	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	12	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	25	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	39	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	50	19.75	19.86	19.86	19.86	19.86	19.86	0
5	256QAM	25	75	19.75	19.86	19.86	19.86	19.86	19.86	0
Channel					8115	8131	8131	8131	8131	MRR [dB]
Frequency [MHz]										
3	QPSK	1	0	21.23	21.08	21.01	21.01	21.01	21.01	0
3	QPSK	1	8	21.24	21.13	20.98	20.98	20.98	20.98	22.5
3	QPSK	1	16	21.24	21.20	21.07	21.07	21.07	21.07	0
3	QPSK	1	24	21.24	21.16	21.07	21.07	21.07	21.07	0
3	QPSK	1	32	21.24	21.16	21.07	21.07	21.07	21.07	0
3	QPSK	1	40	21.24	21.16	21.07	21.07	21.07	21.07	0
3	QPSK	1	49	21.23	21.16	21.07	21.07	21.07	21.07	0
3	QPSK	1	7	21.23	21.16	21.07	21.07	21.07	21.07	0
3	QPSK	1	14	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	22	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	30	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	38	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	46	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	54	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	62	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	70	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	74	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	75	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	76	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	77	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	78	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	79	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	80	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	81	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	82	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	83	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	84	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	85	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	86	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	87	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	88	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	89	21.24	21.06	21.01	21.01	21.01	21.01	0
3	QPSK	1	90	21.24	21.06	21.01	21.01	21.01	21.01	0
3										



Band 38 Ant1

Band 41_Amt1

Band A1_Ant1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power Middle High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)		MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.77	20.08	20.03	19.96	-10.00		21		
20	QPSK	1	49	19.63	19.95	20.03	19.93	-10.00		0		
20	QPSK	1	99	19.98	20.11	20.04	20.00	-10.00		0		
20	QPSK	50	0	19.90	19.91	20.00	19.90	-10.00		0		
20	QPSK	50	54	19.90	19.91	20.00	19.90	-10.00		0		
20	QPSK	50	99	19.89	20.04	19.97	19.92	-10.00		0		
20	QPSK	100	0	19.92	20.06	20.02	19.95	-10.00		0		
20	16QAM	1	0	19.90	19.90	19.96	19.94	-10.00		0		
20	16QAM	1	49	19.95	20.06	19.99	19.94	-10.00		0		
20	16QAM	1	99	19.89	19.99	19.95	19.99	-10.00		0		
20	16QAM	50	0	17.74	18.39	19.88	19.90	-10.00		0		
20	16QAM	50	54	17.74	18.39	19.88	19.90	-10.00		0		
20	16QAM	50	99	19.87	20.04	19.97	19.97	-10.00		0		
20	16QAM	100	0	17.78	18.37	19.82	19.92	-10.00		0		
20	64QAM	1	0	19.81	19.81	19.86	20.00	-10.00		0		
20	64QAM	1	49	19.89	19.91	19.88	19.93	-10.00		0		
20	64QAM	1	99	19.67	19.84	19.87	19.97	-10.00		0		
20	64QAM	50	0	19.87	19.88	19.98	19.89	-10.00		0		
20	64QAM	50	54	19.87	19.88	19.98	19.89	-10.00		0		
20	64QAM	50	99	19.85	19.90	19.95	19.86	-10.00		0		
20	64QAM	100	0	17.53	17.66	17.52	17.75	-10.00		0		
20	256QAM	1	0	17.35	17.70	17.55	17.40	-10.00		2		
20	256QAM	1	49	17.35	17.70	17.55	17.40	-10.00		2		
20	256QAM	1	99	17.69	17.72	17.52	17.55	-10.00		2		
20	256QAM	50	0	17.48	17.96	17.73	17.82	-10.00		2		
20	256QAM	50	24	17.78	17.96	17.70	17.80	-10.00		2		
20	256QAM	50	50	17.84	17.97	17.63	17.76	-10.00		2		
20	256QAM	50	99	17.84	17.97	17.63	17.76	-10.00		2		
20	256QAM	100	0	17.68	17.98	17.73	17.86	-10.00		2		
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.44	19.66	19.68	20.01	-10.00		19.75		
15	QPSK	1	37	19.64	19.86	19.98	19.98	-10.00		19.98		
15	QPSK	1	74	19.78	20.04	19.79	19.83	-10.00		19.83		
15	QPSK	36	0	19.71	19.89	19.99	19.61	-10.00		19.61		
15	QPSK	36	20	19.84	20.04	19.85	19.75	-10.00		19.75		
15	QPSK	36	39	19.84	20.04	19.85	19.75	-10.00		19.75		
15	QPSK	36	54	19.84	20.04	19.85	19.75	-10.00		19.75		
15	QPSK	36	75	19.84	20.04	19.85	19.75	-10.00		19.75		
15	QPSK	36	99	19.76	19.99	19.77	19.92	-10.00		19.92		
15	16QAM	1	0	19.93	19.89	19.85	19.73	-10.00		19.73		
15	16QAM	1	37	19.87	19.85	19.90	19.65	-10.00		19.65		
15	16QAM	1	74	19.75	20.00	19.99	19.91	-10.00		19.91		
15	16QAM	36	0	19.56	19.92	19.71	19.66	-10.00		19.66		
15	16QAM	36	20	19.56	19.92	19.71	19.75	-10.00		19.75		
15	16QAM	36	39	19.56	19.92	19.71	19.75	-10.00		19.75		
15	16QAM	36	54	19.56	19.92	19.71	19.75	-10.00		19.75		
15	16QAM	36	75	19.56	19.92	19.71	19.75	-10.00		19.75		
15	16QAM	36	99	19.56	19.92	19.71	19.75	-10.00		19.75		
15	16QAM	100	0	17.50	17.91	17.52	17.61	-10.00		2		
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.68	20.03	19.82	20.01	-10.00		19.75		
10	QPSK	1	25	19.59	19.73	19.73	19.78	-10.00		21		
10	QPSK	1	49	20.03	19.89	19.99	20.05	-10.00		21		
10	QPSK	25	0	19.59	19.73	19.84	19.70	-10.00		21		
10	QPSK	25	12	19.92	19.87	19.85	19.67	-10.00		21		
10	QPSK	25	50	19.80	20.01	19.85	19.72	-10.00		21		
10	QPSK	25	54	19.80	20.00	19.84	19.79	-10.00		21		
10	QPSK	25	75	19.59	19.69	19.73	19.77	-10.00		21		
10	QPSK	25	99	19.74	19.83	19.77	19.81	-10.00		21		
10	QPSK	50	0	19.60	19.71	19.77	19.78	-10.00		21		
10	QPSK	50	24	19.60	19.71	19.77	19.78	-10.00		21		
10	QPSK	50	49	19.60	19.71	19.77	19.78	-10.00		21		
10	QPSK	50	75	19.60	19.71	19.77	19.78	-10.00		21		
10	QPSK	50	99	19.60	19.71	19.77	19.78	-10.00		21		
10	QPSK	100	0	19.60	19.71	19.77	19.78	-10.00		21		
10	16QAM	1	0	19.64	19.75	19.75	19.78	-10.00		19.78		
10	16QAM	1	25	19.76	19.89	19.84	20.02	-10.00		20.02		
10	16QAM	1	49	19.76	19.89	19.84	20.02	-10.00		20.02		
10	16QAM	1	74	19.76	19.89	19.84	20.02	-10.00		20.02		
10	16QAM	25	0	19.64	19.77	19.88	19.67	-10.00		19.67		
10	16QAM	25	12	19.63	19.85	19.79	19.79	-10.00		19.79		
10	16QAM	25	24	19.63	19.85	19.79	19.79	-10.00		19.79		
10	16QAM	25	49	19.63	19.85	19.79	19.79	-10.00		19.79		
10	16QAM	25	75	19.63	19.85	19.79	19.79	-10.00		19.79		
10	16QAM	25	99	19.63	19.85	19.79	19.79	-10.00		19.79		
10	16QAM	100	0	19.63	19.85	19.79	19.79	-10.00		19.79		
10	64QAM	1	0	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	1	25	19.76	19.87	19.87	19.87	-10.00		19.87		
10	64QAM	1	49	19.76	19.87	19.87	19.87	-10.00		19.87		
10	64QAM	1	74	19.76	19.87	19.87	19.87	-10.00		19.87		
10	64QAM	25	0	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	25	12	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	25	24	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	25	49	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	25	75	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	25	99	19.64	19.84	19.84	19.84	-10.00		19.84		
10	64QAM	100	0	19.64	19.84	19.84	19.84	-10.00		19.84		
10	256QAM	1	0	19.72	19.73	19.74	19.75	-10.00		19.75		
10	256QAM	1	24	19.72	19.73	19.74	19.75	-10.00		19.75		
10	256QAM	1	49	19.72	19.73	19.74	19.75	-10.00		19.75		
10	256QAM	1	74	19.72	19.73	19.74	19.75	-10.00		19.75		
10	256QAM	25	0	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	25	12	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	25	24	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	25	49	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	25	75	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	25	99	19.64	19.74	19.71	19.71	-10.00		19.71		
10	256QAM	100	0	19.64	19.74	19.71	19.71	-10.00		19.71		
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.60	20.10	19.96	19.73	-10.00		19.73		
5	QPSK	1	12	19.69	19.81	19.82	19.88	-10.00		21		
5	QPSK	1	24	19.67	19.87	20.09	19.89	-10.00		21		
5	QPSK	12	0									

Band43 Ap

Band-A, Ants											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MiPR (dB)			
			Channel								
			Frequency (MHz)	42190	42580	42990					
20	QPSK	1	0	20.74	20.79	20.75					
20	QPSK	1	49	20.73	20.78	20.70					
20	QPSK	1	99	20.70	20.75	20.69					
20	QPSK	50	0	20.69	20.77	20.72					
20	QPSK	50	24	20.64	20.70	20.70					
20	QPSK	50	50	20.65	20.69	20.65					
20	QPSK	100	0	20.66	20.74	20.70					
20	16QAM	1	0	20.74	20.77	20.89					
20	16QAM	1	49	20.68	20.72	20.64					
20	16QAM	1	99	20.60	20.67	20.63					
20	16QAM	50	0	20.66	20.72	20.65					
20	16QAM	50	24	20.62	20.68	20.69					
20	16QAM	50	50	20.63	20.69	20.64					
20	16QAM	100	0	20.67	20.84	20.72					
20	64QAM	1	0	20.57	20.66	20.57					
20	64QAM	1	49	20.59	20.84	20.56					
20	64QAM	1	99	20.48	20.51	20.51					
20	64QAM	50	0	19.73	19.78	19.75					
20	64QAM	50	24	19.74	19.81	19.79					
20	64QAM	50	50	19.84	19.84	19.84					
20	64QAM	100	0	19.72	19.77	19.71					
20	256QAM	1	0	17.60	17.67	17.68					
20	256QAM	1	49	17.58	17.52	17.33					
20	256QAM	1	99	17.46	17.50	17.64					
20	256QAM	50	0	17.58	17.87	17.86					
20	256QAM	50	24	17.66	17.89	17.89					
20	256QAM	50	50	17.67	17.80	17.88					
20	256QAM	100	0	17.52	17.71	17.52					
			Channel								
			Frequency (MHz)	42515	42590	43515	Tune-up limit (dBm)	MiPR (dB)			
15	QPSK	1	0	20.43	20.57	20.66					
15	QPSK	1	37	20.70	20.64	20.70					
15	QPSK	1	74	20.64	20.51	20.52					
15	QPSK	36	0	20.52	20.72	20.45					
15	QPSK	36	20	20.62	20.49	20.57					
15	QPSK	36	39	20.60	20.50	20.59					
15	QPSK	75	0	20.72	20.69	20.49					
15	64QAM	1	0	20.30	20.67	20.28					
15	64QAM	1	37	20.49	20.65	20.47					
15	64QAM	1	74	20.44	20.32	20.25					
15	64QAM	36	0	19.57	19.55	19.59					
15	64QAM	36	20	19.63	19.51	19.66					
15	64QAM	36	39	19.45	19.45	19.59					
15	64QAM	75	0	19.54	19.41	19.59					
15	256QAM	1	0	17.57	17.69	17.47					
15	256QAM	1	37	17.61	17.48	17.26					
15	256QAM	1	74	17.33	17.41	17.38					
15	256QAM	36	0	17.53	17.66	17.56					
15	256QAM	36	20	17.58	17.91	17.87					
15	256QAM	36	39	17.63	17.57	17.60					
15	256QAM	75	0	17.56	17.57	17.47					
			Channel								
			Frequency (MHz)	34500	35000	36450	Tune-up limit (dBm)	MiPR (dB)			
10	QPSK	1	0	20.85	20.49	20.87					
10	QPSK	1	25	20.71	20.54	20.47					
10	QPSK	1	49	20.63	20.69	20.63					
10	QPSK	25	0	20.48	20.47	20.59					
10	QPSK	25	12	20.40	20.54	20.55					
10	QPSK	25	25	20.52	20.50	20.57					
10	QPSK	30	0	20.54	20.59	20.59					
10	16QAM	1	0	20.57	20.46	20.43					
10	16QAM	1	25	20.58	20.71	20.35					
10	16QAM	1	49	20.29	20.45	20.52					
10	16QAM	25	0	20.49	20.56	20.39					
10	16QAM	25	12	20.56	20.71	20.42					
10	16QAM	25	25	20.39	20.81	20.59					
10	16QAM	50	0	20.50	20.39	20.44					
10	64QAM	1	0	20.56	20.38	20.37					
10	64QAM	1	25	20.51	20.39	20.47					
10	64QAM	1	49	20.24	20.32	20.20					
10	64QAM	25	0	19.47	19.68	19.56					
10	64QAM	25	12	19.59	19.50	19.48					
10	64QAM	25	25	19.48	19.57	19.41					
10	64QAM	50	0	19.50	19.66	19.52					
10	256QAM	1	0	17.55	17.39	17.50					
10	256QAM	1	25	17.47	17.47	17.36					
10	256QAM	1	49	17.35	17.44	17.61					
10	256QAM	25	0	17.60	17.79	17.90					
10	256QAM	25	12	17.49	17.63	17.66					
10	256QAM	25	25	17.56	17.73	17.62					
10	256QAM	50	0	17.46	17.51	17.95					
			Channel								
			Frequency (MHz)	34525	34900	36475	Tune-up limit (dBm)	MiPR (dB)			
5	QPSK	1	0	20.47	20.58	20.73					
5	QPSK	1	12	20.64	20.87	20.65					
5	QPSK	1	24	20.55	20.76	20.43					
5	QPSK	12	0	20.53	20.78	20.77					
5	QPSK	12	7	20.43	20.63	20.60					
5	QPSK	12	13	20.68	20.55	20.50					
5	QPSK	25	0	20.57	20.57	20.59					
5	16QAM	1	0	20.77	20.72	20.43					
5	16QAM	1	12	20.69	20.87	20.59					
5	16QAM	1	24	20.48	20.45	20.68					
5	16QAM	12	0	20.64	20.44	20.70					
5	16QAM	12	7	20.33	20.70	20.41					
5	16QAM	12	13	20.59	20.53	20.57					
5	16QAM	25	0	20.60	20.55	20.52					
5	64QAM	1	0	19.57	20.51	20.29					
5	64QAM	1	12	20.41	20.40	20.42					
5	64QAM	1	24	20.18	20.37	20.42					
5	64QAM	12	0	19.64	19.62	19.69					
5	64QAM	12	7	19.67	19.53	19.69					
5	64QAM	12	13	19.70	19.53	19.75					
5	64QAM	25	0	19.59	19.55	19.70					
5	256QAM	1	0	17.45	17.41	17.51					
5	256QAM	1	12	17.36	17.31	17.39					
5	256QAM	1	24	17.37	17.52	17.39					
5	256QAM	12	0	17.45	17.70	17.68					
5	256QAM	12	7	17.54	17.78	17.67					
5	256QAM	12	13	17.54	17.65	17.87					



Reduced Power Mode for Sensor on

GSM850_Ant0		Burst Average Power (dBm)		Tune-up Limit (dBm)		Frame-Average Power (dBm)		Tune-up Limit (dBm)		
TX Channel	128	189	251	128	189	251	128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8	
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)		
TX Channel	512	661	810	512	661	810	512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot	25.67	25.70	25.79	27.00	16.67	16.70	16.79	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	17.48	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		WCDMA V_Ant0		WCDMA V_Ant0		WCDMA V_Ant0		
TX Channel	9262	9400	9538	4132	4182	4233	4132	4182	4233	
Rx Channel	9662	9800	9938	4357	4407	4458	4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6	526.4	536.4	546.6	526.4	536.4	546.6	
3GPP Rel 99	AMR 12.2Kbps		16.70	16.68	16.65	18.00	20.39	20.45	20.43	21.50
3GPP Rel 99	RMC 12.2Kbps		16.71	16.70	16.66	18.00	20.41	20.47	20.46	21.50
3GPP Rel 8	HSOPA Subset-1		15.65	15.67	15.66	17.00	19.31	19.45	19.41	20.50
3GPP Rel 8	HSOPA Subset-2		15.66	15.59	15.64	17.00	19.39	19.38	19.46	20.50
3GPP Rel 8	HSOPA Subset-3		15.18	15.17	15.13	16.50	18.82	18.91	18.83	20.00
3GPP Rel 8	HSOPA Subset-4		14.85	15.19	15.18	16.50	18.87	18.91	18.94	20.00
3GPP Rel 8	DC-HSOPA Subset-1		15.54	15.59	15.57	17.00	19.30	19.40	19.37	20.50
3GPP Rel 8	DC-HSOPA Subset-2		15.49	15.57	15.60	17.00	19.24	19.33	19.36	20.50
3GPP Rel 8	DC-HSOPA Subset-3		15.14	15.13	15.09	16.50	18.74	18.89	18.80	20.00
3GPP Rel 8	DC-HSOPA Subset-4		14.96	15.03	15.03	16.50	18.75	18.85	18.83	20.00
3GPP Rel 8	HSUPA Subset-1		15.68	15.55	15.62	17.00	19.37	19.43	19.40	20.50
3GPP Rel 8	HSUPA Subset-2		13.67	13.67	13.70	15.00	17.36	17.39	17.43	18.50
3GPP Rel 8	HSUPA Subset-3		14.71	14.65	14.69	16.00	18.36	18.39	18.44	19.50
3GPP Rel 8	HSUPA Subset-4		13.72	13.73	13.72	15.00	17.37	17.44	17.38	18.50
3GPP Rel 8	HSUPA Subset-5		15.70	15.70	15.70	17.00	19.40	19.40	19.40	20.50
3GPP Rel 7	HSPA+ (16QAM) Subset-1		13.30	13.20	13.20	14.50	17.10	17.20	17.00	18.00



Band 38_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								
				37850	38000	38150	38150	
20	QPSK	1	0	20.08	19.95	19.95	20.08	29.10
20	QPSK	1	49	20.08	19.99	19.95	20.08	21
20	QPSK	1	99	20.01	19.94	19.91	20.01	21
20	QPSK	50	0	20.05	19.92	19.95	20.05	21
20	QPSK	50	24	19.94	18.89	19.90	19.94	21
20	QPSK	50	50	19.94	18.86	19.94	19.94	21
20	QPSK	100	0	20.01	19.90	19.91	20.00	21
20	QPSK	100	1	20.01	19.90	19.91	20.01	21
20	QPSK	100	49	19.99	19.95	19.95	20.00	21
20	QPSK	100	99	20.01	20.01	20.02	20.01	21
20	QPSK	100	50	19.99	19.99	20.06	19.99	21
20	QPSK	100	0	20.00	20.05	19.98	20.00	21
20	QPSK	100	1	19.84	19.94	20.03	19.84	21
20	QPSK	100	49	19.84	19.89	20.04	19.84	21
20	QPSK	100	99	20.01	20.05	20.05	20.01	21
20	QPSK	100	50	19.99	19.99	20.06	19.99	21
20	QPSK	100	0	19.98	19.95	19.95	19.98	21
20	QPSK	100	1	17.79	17.94	17.73	17.84	19
20	QPSK	100	49	17.60	17.74	17.84	17.73	19
20	QPSK	100	99	17.60	17.60	17.60	17.60	19
20	QPSK	100	50	18.00	17.96	17.90	17.90	19
20	QPSK	100	24	18.17	17.98	17.91	17.91	19
20	QPSK	100	0	18.09	17.95	17.92	17.95	19
20	QPSK	100	0	18.06	17.88	17.75	17.85	20
Channel								
				37825	38000	38175	38175	
15	QPSK	1	0	19.58	19.77	19.77	19.58	26.12
15	QPSK	1	37	19.89	19.74	19.73	19.89	21
15	QPSK	1	74	19.74	19.98	19.73	19.74	21
15	QPSK	36	0	19.89	19.77	19.85	19.89	21
15	QPSK	36	20	19.79	19.81	19.59	19.79	21
15	QPSK	36	39	19.97	19.83	19.90	19.87	21
15	QPSK	75	0	19.70	19.94	19.96	19.70	21
15	QPSK	75	1	19.79	19.82	19.95	19.79	21
15	QPSK	75	49	19.81	19.91	19.73	19.81	21
15	QPSK	75	99	19.81	19.81	19.81	19.81	21
15	QPSK	75	50	19.80	19.80	19.80	19.80	21
15	QPSK	75	0	19.85	19.85	19.85	19.85	21
15	QPSK	75	1	17.53	17.68	17.52	17.53	19
15	QPSK	75	49	17.60	17.70	17.55	17.40	19
15	QPSK	75	99	17.69	17.73	17.53	17.66	19
15	QPSK	75	50	17.68	17.73	17.82	17.76	19
15	QPSK	75	24	17.78	17.98	19.98	18.99	19
15	QPSK	75	0	17.84	17.80	20.00	17.86	19
15	QPSK	75	0	17.71	17.90	17.60	17.77	20
Channel								
				37825	38000	38175	38175	
10	QPSK	1	0	19.78	19.82	19.82	19.78	26.15
10	QPSK	1	25	20.01	19.58	20.00	19.58	21
10	QPSK	1	49	20.00	19.69	19.79	19.69	21
10	QPSK	25	0	19.99	19.75	19.91	19.99	21
10	QPSK	25	12	19.98	19.76	19.73	19.98	21
10	QPSK	25	25	19.84	19.80	19.67	19.84	21
10	QPSK	50	0	20.04	19.82	19.77	19.80	21
10	QPSK	50	1	20.03	19.81	19.91	19.81	21
10	QPSK	50	25	20.01	19.99	19.82	19.99	21
10	QPSK	50	49	20.01	19.73	20.01	19.73	21
10	QPSK	50	99	20.01	19.73	20.01	19.73	21
10	QPSK	50	50	19.99	19.88	19.91	19.99	21
10	QPSK	50	0	19.88	19.73	19.99	19.88	21
10	QPSK	50	1	17.74	17.74	17.74	17.74	19
10	QPSK	50	37	17.33	17.64	17.56	17.56	19
10	QPSK	50	74	19.85	19.74	19.88	19.74	19
10	QPSK	50	0	19.87	19.88	19.88	19.87	19
10	QPSK	50	36	19.80	19.78	19.88	19.78	19
10	QPSK	50	39	19.83	19.87	19.74	19.83	19
10	QPSK	75	0	19.88	19.73	19.99	19.88	19
Channel								
				37800	38000	38175	38175	
5	QPSK	1	0	19.58	19.62	19.62	19.58	26.15
5	QPSK	1	25	20.01	19.58	20.00	19.58	21
5	QPSK	1	49	20.00	19.69	19.79	19.69	21
5	QPSK	25	0	19.99	19.75	19.91	19.99	21
5	QPSK	25	12	19.98	19.76	19.73	19.98	21
5	QPSK	25	25	19.84	19.80	19.67	19.84	21
5	QPSK	50	0	20.04	19.82	19.77	19.80	21
5	QPSK	50	1	20.03	19.81	19.91	19.81	21
5	QPSK	50	25	20.01	19.99	19.82	19.99	21
5	QPSK	50	49	20.01	19.73	20.01	19.73	21
5	QPSK	50	99	20.01	19.71	20.01	19.71	21
5	QPSK	50	50	19.99	19.86	19.91	19.86	21
5	QPSK	50	0	19.86	19.66	19.63	19.63	21
5	QPSK	50	7	19.81	19.73	19.71	19.81	21
5	QPSK	50	13	19.81	19.73	19.71	19.81	21
5	QPSK	50	24	19.80	20.05	19.91	19.91	21
5	QPSK	50	0	19.66	19.63	19.63	19.66	21
5	QPSK	50	12	19.75	19.82	19.81	19.81	21
5	QPSK	50	13	19.75	19.84	19.83	19.84	21
5	QPSK	50	25	19.70	19.78	19.78	19.70	21
5	QPSK	50	49	19.70	19.78	19.78	19.70	21
5	QPSK	50	99	19.70	19.78	19.78	19.70	21
5	QPSK	50	50	19.68	19.65	19.65	19.68	21
5	QPSK	50	0	19.64	19.62	19.62	19.64	21
5	QPSK	50	1	17.64	17.64	17.67	17.64	21
5	QPSK	50	25	17.42	17.50	17.50	17.50	21
5	QPSK	50	49	17.53	17.70	17.70	17.59	21
5	QPSK	50	99	17.51	17.59	17.59	17.51	21
5	QPSK	50	50	17.50	17.58	17.58	17.50	21
5	QPSK	50	0	17.62	17.84	17.77	17.77	21
5	QPSK	50	12	17.62	17.84	17.77	17.77	21
5	QPSK	50	24	17.60	17.86	17.78	17.78	21
5	QPSK	50	0	17.66	17.88	17.80	17.76	21
5	QPSK	50	13	17.66	17.88	17.80	17.76	21
5	QPSK	50	25	17.65	17.87	17.80	17.75	21
5	QPSK	50	49	17.65	17.87	17.80	17.75	21
5	QPSK	50	99	17.64	17.86	17.80	17.74	21
5	QPSK	50	50	17.63	17.85	17.79	17.74	21
5	QPSK	50	0	17.61	17.83	17.76	17.71	21
Channel								
				37775	38000	38175	38175	
5	QPSK	1	0	19.58	19.62	19.62	19.58	26.15
5	QPSK	1	12	19.77	19.78	19.85	19.77	21
5	QPSK	1	24	19.95	19.68	19.95	19.68	21
5	QPSK	12	0	19.75	19.67	20.00	19.67	21
5	QPSK	12	7	19.82	19.92	19.70	19.82	21
5	QPSK	12	13	19.92	19.76	19.87	19.76	21
5	QPSK	25	0	19.81	19.73	19.71	19.81	21
5	QPSK	25	7	19.81	19.73	19.71	19.81	21
5	QPSK	25	13	19.81	19.73	19.71	19.81	21
5	QPSK	25	24	19.80	19.73	19.71	19.80	21
5	QPSK	25	49	19.80	19.73	19.71	19.80	21
5	QPSK	25	99	19.80	19.73	19.71	19.80	21
5	QPSK	25	50	19.79	19.73	19.71	19.79	21
5	QPSK	25	0	19.78	19.73	19.71	19.78	21
5	QPSK	25	1	19.89	19.82	19.80	19.89	21
5	QPSK	25	12	19.89	19.82	19.80	19.89	21
5	QPSK	25	24	19.89	19.82	19.80	19.89	21
5	QPSK	25	49	19.89	19.82	19.80	19.89	21
5	QPSK	25	99	19.89	19.82	19.80	19.89	21
5	QPSK	25	50	19.88	19.82	19.80	19.88	21
5	QPSK	25	0	19.87	19.82	19.80	19.87	21
5	QPSK	25	1	19.74	19.74	19.74	19.74	21
5	QPSK	25	12	19.74	19.74	19.74	19.74	21
5	QPSK	25	24	19.74	19.74	19.74	19.74	



Reduced Power Mode for Handheld on

Band	WCDMA II Ant0			Tune-up (dBm)
	TX Channel	9262	9400	
Rx Channel	9662	9800	9938	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.23	20.19	20.12
3GPP Rel 99	RMC 12.2Kbps	20.26	20.21	20.14
3GPP Rel 6	HSDPA Subtest-1	19.20	19.16	19.13
3GPP Rel 6	HSDPA Subtest-2	19.22	19.28	19.12
3GPP Rel 6	HSDPA Subtest-3	18.70	18.69	18.66
3GPP Rel 6	HSDPA Subtest-4	18.72	18.66	18.66
3GPP Rel 8	DC-HSDPA Subtest-1	19.07	19.02	19.03
3GPP Rel 8	DC-HSDPA Subtest-2	19.08	19.15	19.01
3GPP Rel 8	DC-HSDPA Subtest-3	18.63	18.57	18.54
3GPP Rel 8	DC-HSDPA Subtest-4	18.63	18.59	18.50
3GPP Rel 6	HSUPA Subtest-1	19.26	19.21	19.16
3GPP Rel 6	HSUPA Subtest-2	17.14	17.13	17.21
3GPP Rel 6	HSUPA Subtest-3	18.27	18.21	18.24
3GPP Rel 6	HSUPA Subtest-4	17.26	17.16	17.17
3GPP Rel 6	HSUPA Subtest-5	19.20	19.20	19.10
3GPP Rel 7	HSPA+(16QAM) Subtest-1	17.30	17.20	17.20
				18.00



Band 2_Ant0

Band 7_A

BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Time-up	MIP
				Channel	Ch. / Freqs.	Mid Ch. / Freqs.	High Ch. / Freqs.		
Frequency (MHz)									
20	PQSK	1	0	21.36	21.40	21.31	21.30	22.5	0
20	PQSK	1	1	21.30	21.34	21.25	21.24	22.5	0
20	PQSK	1	9	21.94	21.98	21.89	21.88	22.5	0
20	PQSK	50	0	21.33	21.37	21.31	21.30	22.5	0
20	PQSK	50	24	21.30	21.34	21.24	21.23	22.5	0
20	PQSK	50	50	21.30	21.33	21.23	21.22	22.5	0
20	PQSK	100	0	21.30	21.33	21.23	21.22	22.5	0
20	16QAM	1	0	21.35	21.34	21.24	21.27	22.5	0
20	16QAM	1	49	21.30	21.36	21.31	21.32	22.5	0
20	16QAM	50	0	19.99	21.01	21.09	21.07	22.5	0
20	16QAM	50	24	20.81	20.74	20.74	20.88	22	0
20	16QAM	50	50	20.79	20.73	20.73	20.87	22	0
20	16QAM	100	0	20.79	20.73	20.73	20.87	22	0
20	64QAM	1	0	20.76	20.67	20.51	20.65	19	3
20	64QAM	1	49	20.86	20.70	20.50	20.84	22	0
20	64QAM	100	0	19.83	20.23	20.87	21.04	22	0
20	64QAM	100	9	20.83	20.76	20.76	20.87	22	0
20	64QAM	50	24	19.85	19.76	19.76	19.81	21	1
20	64QAM	50	50	19.79	19.66	19.66	19.74	21	1
20	64QAM	100	0	19.82	19.65	19.65	19.92	21	1
20	256QAM	1	0	17.95	17.95	17.95	17.95	19	3
20	256QAM	1	49	17.80	17.62	17.62	17.78	19	3
20	256QAM	100	0	17.95	17.76	17.76	17.85	19	3
20	256QAM	100	9	17.51	17.45	17.45	17.71	19	3
20	256QAM	50	24	17.48	17.42	17.42	17.58	19	3
20	256QAM	50	50	17.58	17.47	17.47	17.86	19	3
20	256QAM	100	0	17.59	17.76	17.76	17.85	19	3
Channel									
20	256QAM	100	10	17.59	17.76	17.76	17.85	19	3
Frequency (MHz)									
16	PQSK	1	0	21.28	21.32	21.28	21.27	22.5	0
16	PQSK	1	37	21.23	21.27	20.97	20.97	22.5	0
16	PQSK	1	74	21.24	21.29	21.05	21.05	22.5	0
16	PQSK	36	0	21.28	21.24	21.04	21.31	22.5	0
16	PQSK	36	24	21.28	21.24	21.04	21.31	22.5	0
16	PQSK	36	39	21.05	21.21	21.20	21.30	22.5	0
16	PQSK	75	0	21.31	21.12	21.36	21.36	22.5	0
16	16QAM	1	0	21.21	20.92	20.30	20.36	22.5	0
16	16QAM	1	49	21.23	20.94	20.31	20.37	22.5	0
16	16QAM	50	0	20.57	20.50	20.50	20.54	22	0
16	16QAM	50	24	20.60	20.64	20.60	20.75	22	0
16	16QAM	50	50	20.60	20.64	20.60	20.75	22	0
16	16QAM	100	0	20.61	20.60	20.60	20.75	22	0
16	64QAM	1	0	20.87	20.87	20.71	20.82	22	0
16	64QAM	1	49	20.87	20.87	20.71	20.82	22	0
16	64QAM	50	0	19.41	19.41	19.41	19.60	21	1
16	64QAM	50	24	19.65	19.65	19.65	19.81	21	1
16	64QAM	50	39	19.76	19.68	19.68	19.86	21	1
16	64QAM	100	0	19.76	19.68	19.68	19.86	21	1
16	256QAM	1	0	17.44	17.48	17.40	17.40	19	3
16	256QAM	1	37	17.49	17.56	17.56	17.70	19	3
16	256QAM	74	0	17.45	17.50	17.50	17.56	19	3
16	256QAM	74	24	17.45	17.50	17.50	17.56	19	3
16	256QAM	74	39	17.24	17.24	17.24	17.40	19	3
16	256QAM	100	0	17.33	17.60	17.60	17.72	19	3
Channel									
16	256QAM	100	10	17.33	17.60	17.60	17.72	19	3
Frequency (MHz)									
20	PQSK	1	0	21.05	21.13	21.21	21.19	22.5	0
20	PQSK	1	25	21.10	21.14	20.96	21.25	22.5	0
20	PQSK	25	0	21.09	21.13	20.99	21.26	22.5	0
20	PQSK	25	12	21.14	20.97	20.97	21.15	22.5	0
20	PQSK	25	24	21.24	20.97	20.97	21.30	22.5	0
20	PQSK	25	39	21.05	21.13	20.97	21.21	22.5	0
20	PQSK	50	0	21.33	21.21	21.21	21.30	22.5	0
20	PQSK	50	24	21.28	21.21	21.21	21.31	22.5	0
20	PQSK	50	39	21.09	21.17	21.17	21.26	22.5	0
20	PQSK	75	0	21.30	21.21	21.21	21.30	22.5	0
20	16QAM	1	0	21.08	21.08	21.02	21.31	22.5	0
20	16QAM	1	49	21.09	21.09	21.21	21.30	22.5	0
20	16QAM	50	0	20.73	20.73	20.73	20.86	22	0
20	16QAM	50	24	20.54	20.46	20.46	20.83	22	0
20	16QAM	50	39	20.73	20.69	20.69	20.86	22	0
20	16QAM	100	0	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	9	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	18	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	27	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	36	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	45	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	54	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	63	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	72	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	81	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	90	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	99	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	108	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	117	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	126	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	135	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	144	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	153	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	162	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	171	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	180	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	189	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	198	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	207	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	216	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	225	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	234	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	243	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	252	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	261	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	270	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	279	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	288	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	297	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	306	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	315	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	324	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	333	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	342	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	351	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	360	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	369	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	378	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	387	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	396	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	405	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	414	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	423	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	432	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	441	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	450	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	459	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	468	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	477	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	486	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	495	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	504	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	513	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	522	20.54	20.46	20.46	20.86	22	0
20	16QAM	100	531	20.54	20.46				



Reduced Power Mode for Receiver on_ENDC

Band 7_Ant1										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)	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)				Channel				Frequency (MHz)				Channel			
20	QPSK	1	0	19.16	19.29	19.22	20.5	0	20	QPSK	1	0	14.71	14.78	14.86	16	0		
20	QPSK	1	49	19.12	19.19	19.12			20	QPSK	1	49	14.63	14.68	14.74				
20	QPSK	1	99	19.08	19.13	19.21			20	QPSK	1	99	14.70	14.70	14.78				
20	QPSK	50	0	19.21	19.26	19.20			20	QPSK	50	0	14.74	14.82	14.83				
20	QPSK	50	24	19.18	19.25	19.13	20.5	0	20	QPSK	50	24	14.71	14.75	14.81	16	0		
20	QPSK	50	50	19.20	19.20	19.15			20	QPSK	50	50	14.70	14.74	14.82				
20	QPSK	100	0	19.20	19.23	19.17			20	QPSK	100	0	14.73	14.76	14.80				
20	16QAM	1	0	19.15	19.22	19.18			20	16QAM	1	0	14.52	14.56	14.62	16	0		
20	16QAM	1	49	19.20	19.24	19.24	20.5	0	20	16QAM	1	49	14.51	14.58	14.58				
20	16QAM	1	99	19.15	19.21	19.25			20	16QAM	1	99	14.68	14.71	14.69				
20	16QAM	50	0	19.14	19.09	19.11			20	16QAM	50	0	14.76	14.78	14.79				
20	16QAM	50	24	19.22	19.15	19.26	20.5	0	20	16QAM	50	24	14.73	14.74	14.78	16	0		
20	16QAM	50	50	19.20	19.20	19.26			20	16QAM	50	50	14.76	14.79	14.81				
20	16QAM	100	0	19.21	19.21	19.24			20	16QAM	100	0	14.65	14.67	14.77				
20	64QAM	1	0	19.01	19.15	18.96			20	64QAM	1	0	14.67	14.80	14.81				
20	64QAM	1	49	19.27	19.24	19.20	20.5	0	20	64QAM	1	49	14.65	14.76	14.75	16	0		
20	64QAM	1	99	19.17	19.21	19.21			20	64QAM	1	99	14.83	14.78	14.76				
20	64QAM	50	0	19.17	19.14	19.14			20	64QAM	50	0	14.72	14.71	14.71				
20	64QAM	50	24	19.27	19.22	19.20	20.5	0	20	64QAM	50	24	14.68	14.65	14.78	16	0		
20	64QAM	50	50	19.21	19.23	19.19			20	64QAM	50	50	14.74	14.69	14.81				
20	64QAM	100	0	19.23	19.24	19.26			20	64QAM	100	0	14.75	14.73	14.80				
20	256QAM	1	0	17.51	17.87	17.98			20	256QAM	1	0	14.35	14.39	14.47				
20	256QAM	1	49	17.52	17.66	17.82	19	1.5	20	256QAM	1	49	14.32	14.37	14.43	16	0		
20	256QAM	1	99	17.66	17.79	17.86			20	256QAM	1	99	14.41	14.44	14.47				
20	256QAM	50	0	17.41	17.64	17.64			20	256QAM	50	0	14.76	14.85	14.78				
20	256QAM	50	24	17.44	17.63	17.76	19	1.5	20	256QAM	50	24	14.71	14.78	14.83	16	0		
20	256QAM	50	50	17.43	17.82	17.79			20	256QAM	50	50	14.73	14.80	14.77				
20	256QAM	100	0	17.37	17.73	17.73			20	256QAM	100	0	14.67	14.67	14.82				
20	256QAM	100	24	17.73	17.73	17.73			20	256QAM	100	24	14.67	14.67	14.82				
20	256QAM	100	50	17.73	17.73	17.73			20	256QAM	100	50	14.67	14.67	14.82				
20	256QAM	100	99	17.73	17.73	17.73			20	256QAM	100	99	14.67	14.67	14.82				
20	256QAM	100	149	17.73	17.73	17.73			20	256QAM	100	149	14.67	14.67	14.82				
20	256QAM	100	199	17.73	17.73	17.73			20	256QAM	100	199	14.67	14.67	14.82				
20	256QAM	100	249	17.73	17.73	17.73			20	256QAM	100	249	14.67	14.67	14.82				
20	256QAM	100	999	17.73	17.73	17.73			20	256QAM	100	999	14.67	14.67	14.82				
20	256QAM	100	1499	17.73	17.73	17.73			20	256QAM	100	1499	14.67	14.67	14.82				
20	256QAM	100	1999	17.73	17.73	17.73			20	256QAM	100	1999	14.67	14.67	14.82				
20	256QAM	100	2499	17.73	17.73	17.73			20	256QAM	100	2499	14.67	14.67	14.82				
20	256QAM	100	9999	17.73	17.73	17.73			20	256QAM	100	9999	14.67	14.67	14.82				
20	256QAM	100	14999	17.73	17.73	17.73			20	256QAM	100	14999	14.67	14.67	14.82				
20	256QAM	100	19999	17.73	17.73	17.73			20	256QAM	100	19999	14.67	14.67	14.82				
20	256QAM	100	24999	17.73	17.73	17.73			20	256QAM	100	24999	14.67	14.67	14.82				
20	256QAM	100	99999	17.73	17.73	17.73			20	256QAM	100	99999	14.67	14.67	14.82				
20	256QAM	100	149999	17.73	17.73	17.73			20	256QAM	100	149999	14.67	14.67	14.82				
20	256QAM	100	199999	17.73	17.73	17.73			20	256QAM	100	199999	14.67	14.67	14.82				
20	256QAM	100	249999	17.73	17.73	17.73			20	256QAM	100	249999	14.67	14.67	14.82				
20	256QAM	100	999999	17.73	17.73	17.73			20	256QAM	100	999999	14.67	14.67	14.82				
20	256QAM	100	1499999	17.73	17.73	17.73			20	256QAM	100	1499999	14.67	14.67	14.82				
20	256QAM	100	1999999	17.73	17.73	17.73			20	256QAM	100	1999999	14.67	14.67	14.82				
20	256QAM	100	2499999	17.73	17.73	17.73			20	256QAM	100	2499999	14.67	14.67	14.82				
20	256QAM	100	9999999	17.73	17.73	17.73			20	256QAM	100	9999999	14.67	14.67	14.82				
20	256QAM	100	14999999	17.73	17.73	17.73			20	256QAM	100	14999999	14.67	14.67	14.82				
20	256QAM	100	19999999	17.73	17.73	17.73			20	256QAM	100	19999999	14.67	14.67	14.82				
20	256QAM	100	24999999	17.73	17.73	17.73			20	256QAM	100	24999999	14.67	14.67	14.82				
20	256QAM	100	99999999	17.73	17.73	17.73			20	256QAM	100	99999999	14.67	14.67	14.82				
20	256QAM	100	149999999	17.73	17.73	17.73			20	256QAM	100	149999999	14.67	14.67	14.82				
20	256QAM	100	199999999	17.73	17.73	17.73			20	256QAM	100	199999999	14.67	14.67	14.82				
20	256QAM	100	249999999	17.73	17.73	17.73			20	256QAM	100	249999999	14.67	14.67	14.82				
20	256QAM	100	999999999	17.73	17.73	17.73			20	256QAM	100	999999999	14.67	14.67	14.82				
20	256QAM	100	1499999999	17.73	17.73	17.73			20	256QAM	100	1499999999	14.67	14.67	14.82				
20	256QAM	100	1999999999	17.73	17.73	17.73			20	256QAM	100	1999999999	14.67	14.67	14.82				
20	256QAM	100	2499999999	17.73	17.73	17.73			20	256QAM	100	2499999999	14.67	14.67	14.82				
20	256QAM	100	9999999999	17.73	17.73	17.73			20	256QAM	100	9999999999	14.67	14.67	14.82				
20	256QAM	100	14999999999	17.73	17.73	17.73			20	256QAM	100	14999999999	14.67	14.67	14.82				
20	256QAM	100	19999999999	17.73	17.73	17.73			20	256QAM	100	19999999999	14.67	14.67	14.82				
20	256QAM	100	24999999999	17.73	17.73	17.73			20	256QAM	100	24999999999	14.67	14.67	14.82				
20	256QAM	100	99999999999	17.73	17.73	17.73			20	256QAM	100	99999999999	14.67	14.67	14.82				
20	256QAM	100	149999999999	17.73	17.73	17.73													



Band 5_Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	Channel	Frequency (MHz)
20	QPSK	1	0	17.28	17.27	17.25	18.5	0	20450	829 836.5 844
10	QPSK	1	25	17.19	17.26	17.22			20525	20600
10	QPSK	1	49	17.20	17.19	17.16			20525	18.5 17.20 17.18
10	QPSK	25	0	17.25	17.24	17.22			20525	17.23 17.22 17.15
10	QPSK	25	12	17.19	17.20	17.18			20525	17.22 17.20 17.20
10	QPSK	50	0	17.25	17.22	17.20			20525	17.22 17.20 17.20
10	16QAM	1	0	17.16	17.25	17.17			20525	17.17 17.25 17.17
10	16QAM	1	25	17.17	17.12	17.16	18.5	0	20525	17.16 17.12 17.16
10	16QAM	1	49	17.18	17.13	17.19			20525	17.13 17.18 17.19
10	16QAM	25	0	17.11	17.12	17.12			20525	17.12 17.12 17.12
10	16QAM	25	12	17.21	17.13	17.15	18.5	0	20525	17.17 17.13 17.19
10	16QAM	50	0	17.20	17.11	17.10			20525	17.10 17.11 17.10
10	64QAM	1	0	17.10	17.17	17.19			20525	17.17 17.19 17.19
10	64QAM	1	25	17.08	17.03	17.07	18.5	0	20525	17.03 17.08 17.07
10	64QAM	1	49	17.21	17.15	17.21			20525	17.21 17.15 17.21
10	64QAM	25	0	17.15	17.16	17.19			20525	17.15 17.16 17.19
10	64QAM	25	12	17.19	17.17	17.17	18.5	0	20525	17.17 17.19 17.17
10	64QAM	50	0	17.15	17.14	17.16			20525	17.15 17.14 17.16
10	256QAM	1	0	17.12	17.09	17.06			20525	17.06 17.12 17.09
10	256QAM	1	25	17.13	17.06	17.12	18.5	0	20525	17.12 17.06 17.13
10	256QAM	1	49	17.23	17.21	17.11			20525	17.21 17.23 17.11
10	256QAM	25	0	17.04	17.02	17.01			20525	17.04 17.02 17.01
10	256QAM	25	12	17.05	17.03	17.03	18.5	0	20525	17.03 17.05 17.05
10	256QAM	50	0	16.92	17.14	17.08			20525	17.08 16.92 17.14
10	256QAM	50	0	17.07	16.98	17.06			20525	17.06 17.07 16.98
15	QPSK	1	0	17.12	17.19	17.00			20525	17.00 17.12 17.19
5	QPSK	1	12	17.04	16.96	16.96	18.5	0	20525	16.96 17.04 17.04
5	QPSK	1	24	17.00	16.89	17.08			20525	16.89 17.00 17.00
5	QPSK	12	0	17.05	17.19	17.19			20525	17.19 17.05 17.19
5	QPSK	12	7	17.07	17.21	16.89	18.5	0	20525	16.89 17.07 17.21
5	QPSK	12	13	17.18	17.12	16.94			20525	16.94 17.18 17.12
5	QPSK	25	0	16.97	16.95	16.93			20525	16.93 16.97 16.95
5	16QAM	1	0	16.89	17.19	17.21	18.5	0	20525	17.21 16.89 17.19
5	16QAM	1	12	17.15	16.95	17.14			20525	17.14 17.15 16.95
5	16QAM	1	24	17.20	17.06	17.07			20525	17.07 17.20 17.06
5	16QAM	12	0	16.84	17.09	16.90			20525	16.90 16.84 17.09
5	16QAM	12	7	17.21	17.10	17.05	18.5	0	20525	17.05 17.21 17.10
5	16QAM	12	13	16.91	17.03	17.20			20525	17.20 16.91 17.03
5	16QAM	25	0	16.96	17.12	17.05			20525	17.05 16.96 17.12
5	64QAM	1	0	17.01	17.03	16.89			20525	16.89 17.01 17.03
5	64QAM	1	24	16.99	16.91	17.02	18.5	0	20525	17.02 16.99 16.91
5	64QAM	12	0	17.04	16.94	16.93			20525	16.93 17.04 16.94
5	64QAM	12	7	17.05	17.10	17.04	18.5	0	20525	16.94 17.05 17.10
5	64QAM	15	0	17.18	16.94	16.93			20525	16.93 17.18 16.94
5	16QAM	1	0	16.88	16.99	16.93			20525	16.93 16.88 16.99
5	16QAM	1	8	17.05	17.13	17.18	18.5	0	20525	17.18 17.05 17.13
5	16QAM	1	14	17.05	16.82	16.95			20525	16.95 17.05 16.82
5	16QAM	8	0	16.96	17.09	16.99			20525	16.99 16.96 17.09
5	16QAM	8	4	17.01	16.90	17.01			20525	17.01 16.90 17.01
5	16QAM	8	7	16.91	16.96	16.93	18.5	0	20525	16.93 16.91 16.96
5	16QAM	15	0	17.16	17.01	17.06			20525	17.06 17.16 17.01
5	16QAM	15	7	17.01	16.93	17.04	18.5	0	20525	16.94 17.01 17.01
5	64QAM	1	0	16.85	17.14	17.24			20525	17.24 16.85 17.14
3	64QAM	1	8	16.95	16.76	16.76	18.5	0	20525	16.76 16.95 16.76
3	64QAM	1	14	16.97	16.94	17.03			20525	17.03 16.97 16.94
3	64QAM	8	0	17.18	17.21	17.04	18.5	0	20525	17.04 17.18 17.21
3	64QAM	8	4	17.13	17.10	17.10			20525	17.10 17.13 17.10
3	64QAM	8	7	17.04	17.12	17.05	18.5	0	20525	17.05 17.04 17.12
3	64QAM	15	0	17.18	16.94	16.93			20525	16.93 17.18 16.94
3	16QAM	1	0	16.88	16.99	16.93			20525	16.93 16.88 16.99
3	16QAM	1	8	17.05	17.13	17.18	18.5	0	20525	17.18 17.05 17.13
3	16QAM	1	14	17.05	16.82	16.94			20525	16.94 17.05 16.82
3	16QAM	8	0	16.84	16.87	16.98			20525	16.98 16.84 16.87
3	16QAM	8	4	17.15	16.92	17.09	18.5	0	20525	17.09 17.15 16.92
3	16QAM	8	7	17.15	17.11	16.98	18.5	0	20525	16.98 17.15 17.11
3	16QAM	15	0	17.11	16.99	16.98			20525	16.98 17.11 16.99
3	16QAM	15	7	17.06	17.08	16.88	18.5	0	20525	16.88 17.06 17.08
3	256QAM	1	0	16.86	17.09	17.16	18.5	0	20525	17.16 16.86 17.09
3	256QAM	1	8	16.95	16.76	16.76			20525	16.76 16.95 16.76
3	256QAM	1	14	16.93	16.97	16.93			20525	16.93 16.97 16.93
3	256QAM	8	0	16.81	17.03	16.93	18.5	0	20525	16.93 16.81 17.03
3	256QAM	8	7	16.95	16.89	16.82	18.5	0	20525	16.82 16.95 16.89
3	256QAM	15	0	16.84	17.11	17.11	18.5	0	20525	17.11 16.84 17.11
3	256QAM	15	7	17.04	20407	20525	20643	0	20525	20643 17.04 17.04
3	256QAM	15	12	16.91	16.96	16.83	18.5	0	20525	16.83 16.91 16.96
3	256QAM	15	18	17.17	17.27	17.27	18.5	0	20525	17.27 17.17 17.27
3	256QAM	15	24	17.05	17.14	16.99			20525	16.99 17.05 17.14
3	256QAM	15	30	17.03	17.04	17.12	18.5	0	20525	17.12 17.03 17.04
3	256QAM	15	36	17.15	17.16	17.16			20525	17.16 17.15 17.16
3	256QAM	15	42	17.04	17.04	17.12	18.5	0	20525	17.12 17.04 17.04
3	256QAM	15	48	17.05	17.05	17.05			20525	17.05 17.05 17.05
3	256QAM	15	54	17.07	17.07	17.07	18.5	0	20525	17.07 17.07 17.07
3	256QAM	15	60	17.08	17.08	17.08			20525	17.08 17.08 17.08
3	256QAM	15	66	17.09	17.09	17.09	18.5	0	20525	17.09 17.09 17.09
3	256QAM	15	72	17.10	17.10	17.16	18.5	0	20525	17.16 17.10 17.10
3	256QAM	15	78	17.05	17.05	17.16	18.5	0	20525	17.16 17.05 17.05
3	256QAM	15	84	17.06	17.06	17.11	18.5	0	20525	17.11 17.06 17.06
3	256QAM	15	90	17.07	17.07	17.17	18.5	0	20525	17.17 17.07 17.07
3	256QAM	15	96	17.08	17.08	17.17	18.5	0	20525	17.17 17.08 17.08
3	256QAM	15	102	17.09	17.09	17.17	18.5	0	20525	17.17 17.09 17.09
3	256QAM	15	108	17.10	17.10	17.17	18.5	0	20525	17.17 17.10 17.10
3	256QAM	15	114	17.11	17.11	17.16	18.5	0	20525	17.16 17.11 17.11
3	256QAM	15	120	17.12	17.12	17.16	18.5	0	20525	17.16 17.12 17.12
3	256QAM	15	126	17.13	17.13	17.17	18.5	0	20525	17.17 17.13 17.13
3	256QAM	15	132	17.14	17.14	17.17	18.5	0	20525	17.17 17.14 17.14
3	256QAM	15	138	17.15	17.15	17.17	18.5	0	20525	17.17 17.15 17.15
3	256QAM	15	144	17.16	17.16	17.17	18.5	0	20525	17.17 17.16 17.16
3	256QAM	15	150	17.17	17.17	17.17	18.5	0	20525	17.17 17.17 17.17
3	256QAM	15	156	17.18	17.18	17.17	18.5	0	20525	17.17 17.18 17.18
3	256QAM	15	162	17.19	17.19	17.17	18.5	0	20525	17.17 17.19



Band 38_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									
				37850	38000	38150			
20	QPSK	1	0	16.56	16.46	16.38			
20	QPSK	1	49	16.41	16.39	16.37			
20	QPSK	1	99	16.40	16.45	16.29			
20	QPSK	50	0	16.54	16.45	16.37			
20	QPSK	50	24	16.50	16.44	16.30			
20	QPSK	50	50	16.49	16.41	16.35			
20	QPSK	100	0	16.50	16.42	16.34			
20	16QAM	1	0	16.24	16.43	16.29			
20	16QAM	1	49	16.28	16.24	16.40			
20	16QAM	1	99	16.44	16.45	16.34			
20	16QAM	50	0	16.31	16.24	16.35			
20	16QAM	50	24	16.44	16.29	16.42			
20	16QAM	50	50	16.37	16.31	16.36			
20	16QAM	100	0	16.43	16.32	16.31			
20	64QAM	1	0	16.23	16.07	16.25			
20	64QAM	1	49	16.48	16.22	16.35			
20	64QAM	1	99	16.39	16.25	16.42			
20	64QAM	50	0	16.24	16.24	16.30			
20	64QAM	50	24	16.47	16.36	16.40			
20	64QAM	50	50	16.46	16.38	16.45			
20	64QAM	100	0	16.46	16.30	16.38			
20	256QAM	1	0	16.48	16.38	16.16			
20	256QAM	1	49	16.45	16.32	16.22			
20	256QAM	1	99	16.41	16.17	16.10			
20	256QAM	50	0	16.47	16.39	16.28			
20	256QAM	50	24	16.48	16.37	16.27			
20	256QAM	50	50	16.51	16.32	16.23			
20	256QAM	100	0	16.46	16.27	16.10			
Channel									
				37825	38000	38175			
				2577.5	2595	2612.5			
							Tune-up limit (dBm)		MPR (dB)
15	QPSK	1	0	16.30	16.27	16.09			
15	QPSK	1	37	16.10	16.15	16.39			
15	QPSK	1	74	16.27	16.31	16.27			
15	QPSK	36	0	16.47	16.37	16.35			
15	QPSK	36	20	16.36	16.27	16.30			
15	QPSK	36	39	16.30	16.37	16.39			
15	QPSK	75	0	16.17	16.44	16.03			
15	16QAM	1	0	15.95	16.14	16.09			
15	16QAM	1	37	16.11	16.00	16.39			
15	16QAM	1	74	16.38	16.25	16.03			
15	16QAM	36	0	16.33	16.17	16.04			
15	16QAM	36	20	16.39	16.01	16.34			
15	16QAM	36	39	16.33	16.22	16.37			
15	16QAM	75	0	16.13	16.20	16.20			
15	64QAM	1	0	16.30	16.48	16.26			
15	64QAM	1	37	16.41	16.18	16.16			
15	64QAM	1	74	16.46	16.21	16.37			
15	64QAM	36	0	16.11	16.17	16.23			
15	64QAM	36	20	16.44	16.16	16.20			
15	64QAM	36	39	16.49	16.08	16.43			
15	64QAM	75	0	16.33	16.35	16.31			
15	256QAM	1	0	16.19	16.29	16.08			
15	256QAM	1	37	16.21	16.42	16.37			
15	256QAM	1	74	16.51	16.45	16.17			
15	256QAM	36	0	16.36	16.38	16.13			
15	256QAM	36	20	16.47	16.35	16.37			
15	256QAM	36	39	16.25	16.40	16.08			
15	256QAM	75	0	16.00	16.31	16.30			
Channel									
				37800	38000	38200			
				2975	2995	2615			
							Tune-up limit (dBm)		MPR (dB)
10	QPSK	1	0	16.27	16.51	16.19			
10	QPSK	1	25	16.41	16.10	16.23			
10	QPSK	1	49	16.19	16.31	16.02			
10	QPSK	25	0	16.34	16.31	16.08			
10	QPSK	25	12	16.38	16.44	16.08			
10	QPSK	25	25	16.28	16.41	16.05			
10	QPSK	50	0	16.25	16.22	16.23			
10	16QAM	1	0	16.09	16.20	16.25			
10	16QAM	1	25	16.01	15.96	16.38			
10	16QAM	1	49	16.39	16.27	16.25			
10	16QAM	25	0	16.16	16.15	16.16			
10	16QAM	25	12	16.18	16.33	16.34			
10	16QAM	25	25	16.17	16.31	16.10			
10	16QAM	50	0	16.28	16.13	16.30			
10	64QAM	1	0	16.20	16.36	16.11			
10	64QAM	1	25	16.41	16.22	16.21			
10	64QAM	1	49	16.13	16.11	16.11			
10	64QAM	25	0	16.36	16.35	16.21			
10	64QAM	25	25	16.23	16.40	16.27			
10	64QAM	50	0	16.33	16.01	16.38			
10	256QAM	1	0	16.00	16.41	16.11			
10	256QAM	1	25	16.19	16.16	16.24			
10	256QAM	25	0	16.19	16.23	16.39			
10	256QAM	25	25	16.22	16.32	16.07			
10	256QAM	50	0	16.26	16.43	16.05			
Channel									
				37775	38000	38225			
				2972.5	2995	2617.5			
							Tune-up limit (dBm)		MPR (dB)
5	QPSK	1	0	16.54	16.32	16.05			
5	QPSK	1	12	16.32	16.43	16.25			
5	QPSK	1	24	16.50	16.44	16.22			
5	QPSK	12	0	16.40	16.38	16.32			
5	QPSK	12	7	16.44	16.33	16.16			
5	QPSK	12	13	16.47	16.30	16.21			
5	QPSK	25	0	16.30	16.45	16.13			
5	16QAM	1	0	15.93	16.27	16.17			
5	16QAM	1	12	16.09	15.93	16.12			
5	16QAM	1	24	16.39	16.24	16.28			
5	16QAM	12	0	16.31	16.19	16.36			
5	16QAM	12	7	16.33	16.05	16.15			
5	16QAM	12	13	16.23	16.25	16.39			
5	16QAM	25	0	16.18	16.32	16.17			
5	64QAM	1	0	16.05	16.01	16.19			
5	64QAM	1	12	16.27	16.07	16.09			
5	64QAM	1	24	16.35	16.08	16.30			
5	64QAM	12	0	16.13	16.23	16.16			
5	64QAM	12	7	16.30	16.20	16.36			
5	64QAM	25	0	16.16	15.97	16.09			
5	256QAM	1	0	16.30	16.06	16.34			
5	256QAM	1	12	16.37	16.30	16.10			
5	256QAM	1	24	16.41	16.20	16.30			
5	256QAM	12	0	16.45	16.41	15.99			
5	256QAM	12	7	16.25	16.29	16.35			
5	256QAM	12	13	16.20	16.27	16.09			
5	256QAM	25	0	16.22	16.17	16.32			

Band 41_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									
				40140	40400	40670			
				2545	2571	2599			
							Tune-up limit (dBm)		MPR (dB)
20	QPSK	1	0	16.16	16.44	16.42			
20	QPSK	1	49	16.16	16.43	16.37			
20	QPSK	1	99	16.44	16.58	16.51			
20	QPSK	50	0	16.32	16.43	16.36			
20	16QAM	1	0	16.34	16.57	16.56			
20	16QAM	1	49	16.33	16.52	16.52			
20	16QAM	1	99	16.56	16.50	16.55			
20	16QAM	50	0	16.32	16.30	16.30			
20	16QAM	100	0	16.37	16.42	16.31			
20	64QAM	1	0	16.27	16.25				



Reduced Power Mode for Handheld on_ENDC

Band 5_Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)										
10	QPSK	1	0	19.18	19.14	19.15		20.5		
10	QPSK	1	25	19.10	19.13	19.12				
10	QPSK	1	49	19.15	19.10	19.11		20.5		
10	QPSK	25	0	19.15	19.11	19.13				
10	QPSK	25	12	19.10	19.09	19.10		20.5		
10	QPSK	25	25	19.11	19.07	19.10				
10	QPSK	50	0	19.14	19.10	19.10		20.5		
10	16QAM	1	0	19.08	19.14	19.17				
10	16QAM	1	25	19.07	19.07	19.13		20.5		
10	16QAM	1	49	19.11	19.10	19.13				
10	16QAM	25	0	19.12	19.13	19.14		20.5		
10	16QAM	25	12	19.14	19.02	19.06				
10	16QAM	25	25	19.05	19.06	19.06		20.5		
10	16QAM	50	0	19.08	19.02	19.04				
10	64QAM	1	0	19.11	19.12	19.06		20.5		
10	64QAM	1	25	19.09	19.10	19.13				
10	64QAM	1	49	19.13	19.10	19.06		20.5		
10	64QAM	25	0	19.09	19.12	19.11				
10	64QAM	25	12	19.12	19.02	19.05		20.5		
10	64QAM	25	25	19.06	18.99	19.02				
10	64QAM	50	0	19.04	18.98	19.00		20.5		
10	256QAM	1	0	17.54	17.72	17.66				
10	256QAM	1	25	17.55	17.81	17.74		19		
10	256QAM	1	49	17.72	17.81	17.53				
10	256QAM	25	0	17.71	17.62	17.42		19		
10	256QAM	25	12	17.66	17.47	17.58				
10	256QAM	25	25	17.59	17.56	17.78		19		
10	256QAM	50	0	17.65	17.69	17.72				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	18.95	19.02	19.14		20.5		
5	QPSK	1	12	18.85	19.08	18.98				
5	QPSK	1	24	18.86	19.00	18.97		20.5		
5	QPSK	12	0	18.90	19.16	18.91				
5	QPSK	12	7	19.11	19.03	19.03		20.5		
5	QPSK	12	13	19.07	18.97	19.07				
5	QPSK	25	0	18.91	18.83	19.02		20.5		
5	16QAM	1	0	19.13	19.15	19.00				
5	16QAM	1	12	18.92	18.99	19.03		20.5		
5	16QAM	1	24	18.94	18.90	18.86				
5	16QAM	12	0	19.04	18.97	18.87		20.5		
5	16QAM	12	7	18.85	19.00	19.05				
5	16QAM	12	13	18.78	18.91	19.10		20.5		
5	16QAM	25	0	18.83	19.00	18.82				
5	64QAM	1	0	19.09	18.90	18.82		20.5		
5	64QAM	1	12	19.01	19.02	18.87				
5	64QAM	1	24	18.98	18.92	19.05		20.5		
5	64QAM	12	0	19.12	19.11	18.92				
5	64QAM	12	7	19.13	18.71	19.09		20.5		
5	64QAM	12	13	18.94	18.76	19.07				
5	64QAM	25	0	19.00	18.76	18.71		20.5		
5	256QAM	1	0	17.29	17.48	17.36				
5	256QAM	1	12	17.32	17.78	17.62		19		
5	256QAM	1	24	17.49	17.51	17.38				
5	256QAM	12	0	17.74	17.38	17.40		19		
5	256QAM	12	7	17.47	17.39	17.45				
5	256QAM	12	13	17.50	17.60	17.79		19		
5	256QAM	25	0	17.38	17.69	17.72				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	19.12	18.83	18.91		20.5		
3	QPSK	1	8	18.82	19.13	18.94				
3	QPSK	1	14	19.09	18.90	18.99		20.5		
3	QPSK	8	0	19.14	19.10	18.85				
3	QPSK	8	4	18.87	18.94	19.01		20.5		
3	QPSK	8	7	19.07	18.77	18.92				
3	QPSK	15	0	19.07	18.91	18.96		20.5		
3	16QAM	1	0	18.82	18.96	19.07				
3	16QAM	1	8	18.98	18.95	19.01		20.5		
3	16QAM	1	14	18.82	18.92	18.82				
3	16QAM	8	0	18.83	19.07	18.99		20.5		
3	16QAM	8	4	18.87	19.01	19.00				
3	16QAM	8	7	18.90	18.75	18.91		20.5		
3	16QAM	15	0	19.00	18.96	19.00				
3	64QAM	1	0	18.90	18.85	18.91		20.5		
3	64QAM	1	8	19.02	18.89	18.83				
3	64QAM	1	14	18.93	19.00	18.87		20.5		
3	64QAM	8	0	19.09	18.90	18.83				
3	64QAM	8	4	18.91	18.98	18.93		20.5		
3	64QAM	8	7	18.86	19.01	18.75				
3	64QAM	15	0	18.88	18.93	18.84		20.5		
3	256QAM	1	0	17.29	17.52	17.68				
3	256QAM	1	8	17.31	17.63	17.64		19		
3	256QAM	1	14	17.41	17.65	17.49				
3	256QAM	8	0	17.45	17.33	17.23		19		
3	256QAM	8	4	17.46	17.24	17.62				
3	256QAM	8	7	17.56	17.42	17.52		19		
3	256QAM	15	0	17.63	17.47	17.62				
Channel				20407	20525	20645	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	18.97	18.90	18.93		20.5		
1.4	QPSK	1	3	18.90	19.09	18.84				
1.4	QPSK	1	5	19.14	18.79	18.86		20.5		
1.4	QPSK	3	0	19.02	18.87	19.16				
1.4	QPSK	3	1	18.86	18.98	19.15		20.5		
1.4	QPSK	3	3	19.07	18.80	19.13				
1.4	OQPSK	6	0	19.00	19.09	19.00		20.5		
1.4	OQPSK	6	1	18.98	18.96	18.88				
1.4	16QAM	1	0	18.98	18.96	19.07		20.5		
1.4	16QAM	1	3	18.98	18.97	19.16				
1.4	16QAM	1	5	19.14	18.87	19.00		20.5		
1.4	16QAM	3	0	19.06	18.94	19.12				
1.4	16QAM	3	1	19.02	18.96	18.95		20.5		
1.4	16QAM	3	3	18.89	18.80	19.05				
1.4	64QAM	6	0	18.99	18.76	18.99		20.5		
1.4	64QAM	6	1	18.84	18.95	18.91				
1.4	64QAM	1	3	18.97	19.04	18.88		20.5		
1.4	64QAM	1	5	18.90	19.08	18.94				
1.4	64QAM	3	0	19.00	18.94	18.98		20.5		
1.4	64QAM	3	1	18.93	18.80	18.90				
1.4	64QAM	3	3	18.89	19.03	19.05		20.5		
1.4	64QAM	6	0	18.99	18.76	18.99				
1.4	256QAM	1	0	17.42	17.43	17.70		19		
1.4	256QAM	1	3	17.54	17.73	17.50				
1.4	256QAM	1	5	17.59	17.76	17.38		19		
1.4	256QAM	3	0	17.69	17.36	17.38				
1.4	256QAM	3	1	17.37						

Band 7_Ant1

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)	MiPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	17.76	17.85	17.79			19	0				
20	QPSK	1	49	17.75	17.78	17.76								
20	QPSK	1	99	17.71	17.83	17.78								
20	QPSK	50	0	17.76	17.82	17.77								
20	QPSK	50	24	17.74	17.71	17.73								
20	QPSK	50	50	17.72	17.77	17.70								
20	QPSK	100	0	17.72	17.80	17.76								
20	16QAM	1	0	17.71	17.65	17.72								
20	16QAM	1	49	17.75	17.70	17.85								
20	16QAM	1	99	17.69	17.77	17.83								
20	16QAM	50	0	17.68	17.70	17.72								
20	16QAM	50	24	17.73	17.70	17.82								
20	16QAM	50	50	17.73	17.76	17.83								
20	16QAM	100	0	17.74	17.73	17.80								
20	64QAM	1	0	17.52	17.47	17.63								
20	64QAM	1	49	17.51	17.74	17.73								
20	64QAM	1	99	17.60	17.71	17.78								
20	64QAM	50	0	17.69	17.68	17.70								
20	64QAM	50	24	17.66	17.64	17.75								
20	64QAM	50	50	17.65	17.68	17.76								
20	64QAM	100	0	17.66	17.66	17.72								
20	256QAM	1	0	17.53	17.51	17.59								
20	256QAM	1	49	17.65	17.74	17.76								
20	256QAM	1	99	17.73	17.72	17.64								
20	256QAM	50	0	17.79	17.60	17.81								
20	256QAM	50	24	17.82	17.64	17.63								
20	256QAM	50	50	17.78	17.64	17.82								
20	256QAM	100	0	17.64	17.74	17.63								
Channel														
Frequency (MHz)														
15	QPSK	1	0	17.55	17.82	17.60			19	0				
15	QPSK	1	37	17.63	17.55	17.59								
15	QPSK	1	74	17.61	17.63	17.76								
15	QPSK	36	0	17.48	17.51	17.75								
15	QPSK	36	20	17.58	17.74	17.55								
15	QPSK	36	39	17.46	17.52	17.40								
15	QPSK	75	0	17.43	17.75	17.47								
15	16QAM	1	0	17.57	17.69	17.71								
15	16QAM	1	37	17.45	17.57	17.80								
15	16QAM	1	74	17.55	17.78	17.63								
15	16QAM	36	0	17.38	17.54	17.52								
15	16QAM	36	20	17.69	17.49	17.85								
15	16QAM	36	39	17.73	17.69	17.82								
15	16QAM	75	0	17.72	17.66	17.71								
15	64QAM	1	0	17.34	17.32	17.55								
15	64QAM	1	37	17.42	17.67	17.62								
15	64QAM	1	74	17.37	17.75	17.82								
15	64QAM	36	0	17.65	17.67	17.39								
15	64QAM	36	20	17.43	17.45	17.46								
15	64QAM	36	39	17.52	17.62	17.74								
15	64QAM	75	0	17.41	17.35	17.62								
15	256QAM	1	0	17.28	17.20	17.37								
15	256QAM	1	37	17.53	17.68	17.53								
15	256QAM	1	74	17.67	17.66	17.60								
15	256QAM	36	0	17.49	17.59	17.80								
15	256QAM	36	20	17.72	17.58	17.66								
15	256QAM	36	39	17.57	17.60	17.75								
15	256QAM	75	0	17.34	17.67	17.41								
Channel														
Frequency (MHz)														
10	QPSK	1	0	17.78	17.64	17.57			19	0				
10	QPSK	1	25	17.73	17.72	17.49								
10	QPSK	1	49	17.40	17.73	17.54								
10	QPSK	25	0	17.74	17.77	17.81								
10	QPSK	25	12	17.46	17.75	17.59								
10	QPSK	25	25	17.62	17.59	17.53								
10	QPSK	50	0	17.52	17.56	17.48								
10	16QAM	1	0	17.63	17.66	17.66								
10	16QAM	1	25	17.71	17.46	17.64								
10	16QAM	1	49	17.54	17.78	17.72								
10	16QAM	25	0	17.66	17.75	17.67								
10	16QAM	25	12	17.60	17.48	17.82								
10	16QAM	25	25	17.60	17.57	17.57								
10	16QAM	50	0	17.59	17.74	17.60								
10	64QAM	1	0	17.56	17.40	17.61								
10	64QAM	1	25	17.38	17.43	17.64								
10	64QAM	1	49	17.59	17.55	17.78								
10	64QAM	25	0	17.43	17.42	17.69								
10	64QAM	25	12	17.52	17.63	17.52								
10	64QAM	25	25	17.56	17.43	17.65								
10	64QAM	50	0	17.68	17.67	17.76								
10	256QAM	1	0	17.23	17.32	17.46								
10	256QAM	1	25	17.51	17.49	17.66								
10	256QAM	1	49	17.72	17.50	17.44								
10	256QAM	25	0	17.84	17.41	17.72								
10	256QAM	25	12	17.74	17.48	17.66								
10	256QAM	25	25	17.63	17.50	17.54								
10	256QAM	50	0	17.48	17.67	17.43								
Channel														
Frequency (MHz)														
5	QPSK	1	0	17.52	17.63	17.72			19	0				
5	QPSK	1	12	17.66	17.50	17.71								
5	QPSK	1	24	17.66	17.67	17.83								
5	QPSK	12	0	17.76	17.81	17.68								
5	QPSK	12	7	17.77	17.47	17.56								
5	QPSK	12	13	17.50	17.57	17.67								
5	OQPSK	25	0	17.59	17.81	17.45								
5	16QAM	1	0	17.60	17.60	17.69								
5	16QAM	1	12	17.73	17.49	17.58								
5	16QAM	1	24	17.54	17.70	17.70								
5	16QAM	12	0	17.64	17.71	17.54								
5	16QAM	12	7	17.50	17.61	17.76								
5	16QAM	12	13	17.54	17.52	17.50								
5	16QAM	25	0	17.68	17.61	17.42								
5	256QAM	1	0	17.33	17.32	17.43								
5	256QAM	1	12	17.47	17.75	17.76								
5	256QAM	1	24	17.50	17.71	17.68								
5	256QAM	12	0	17.74	17.53	17.54								
5	256QAM	12	7	17.64	17.49	17.58								
5	256QAM	12	13	17.72	17.53	17.70								
5	256QAM	25	0	17.35	17.52	17.57								

Band 7_Ant

Band 7_Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	17.19	17.26	17.36		18.5		
20	QPSK	1	49	17.12	17.18	17.22				
20	QPSK	1	99	17.17	17.23	17.28				
20	QPSK	50	0	17.24	17.31	17.35				
20	QPSK	50	24	17.21	17.24	17.34				
20	QPSK	50	50	17.21	17.23	17.30				
20	QPSK	100	0	17.25	17.26	17.33				
20	16QAM	1	0	17.01	17.04	17.12				
20	16QAM	1	49	16.98	17.09	17.06				
20	16QAM	1	99	17.20	17.20	17.20				
20	16QAM	50	0	17.28	17.26	17.30				
20	16QAM	50	24	17.23	17.25	17.26				
20	16QAM	50	50	17.28	17.26	17.28				
20	16QAM	100	0	17.17	17.20	17.25				
20	64QAM	1	0	17.15	17.31	17.28		18.5		
20	64QAM	1	49	17.15	17.28	17.28				
20	64QAM	1	99	17.31	17.30	17.27				
20	64QAM	50	0	17.20	17.24	17.23				
20	64QAM	50	24	17.16	17.17	17.29				
20	64QAM	50	50	17.26	17.18	17.33				
20	64QAM	100	0	17.25	17.21	17.28				
20	256QAM	1	0	16.82	16.86	16.96				
20	256QAM	1	49	16.83	16.90	16.90				
20	256QAM	1	99	16.94	16.91	16.94				
20	256QAM	50	0	17.24	17.32	17.31		18.5		
20	256QAM	50	24	17.23	17.27	17.31				
20	256QAM	50	50	17.21	17.30	17.30				
20	256QAM	100	0	17.20	17.14	17.35				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	16.88	17.04	17.31		18.5		
15	QPSK	1	37	17.03	17.01	17.21				
15	QPSK	1	74	17.22	17.13	17.04				
15	QPSK	36	0	17.14	17.15	17.14				
15	QPSK	36	20	17.10	16.94	17.09				
15	QPSK	36	39	17.02	17.23	17.33				
15	QPSK	75	0	16.94	17.11	17.11				
15	16QAM	1	0	16.72	17.00	16.81				
15	16QAM	1	37	16.95	16.90	17.05				
15	16QAM	1	74	17.02	17.03	17.09				
15	16QAM	36	0	17.11	17.23	17.25		18.5		
15	16QAM	36	20	17.12	16.99	16.97				
15	16QAM	36	39	17.04	17.17	17.25				
15	16QAM	75	0	16.87	16.94	17.03				
15	64QAM	1	0	16.89	17.25	16.97				
15	64QAM	1	37	17.06	17.08	17.21				
15	64QAM	1	74	17.18	17.30	17.16				
15	64QAM	36	0	17.01	17.27	17.26				
15	64QAM	36	20	17.04	17.21	17.26				
15	64QAM	36	39	17.14	17.08	17.21				
15	64QAM	75	0	17.28	17.24	17.08				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	16.99	17.25	17.16		18.5		
10	QPSK	1	25	17.02	17.21	16.91				
10	QPSK	1	49	16.94	17.25	17.03				
10	QPSK	25	0	17.01	17.00	17.16				
10	QPSK	25	12	17.02	17.15	17.26				
10	QPSK	25	25	16.95	17.11	17.15				
10	QPSK	50	0	16.97	17.26	17.09				
10	16QAM	1	0	16.85	16.88	16.86				
10	16QAM	1	25	16.80	16.80	17.03				
10	16QAM	1	49	17.23	17.21	17.10				
10	16QAM	25	0	17.14	17.29	17.17		18.5		
10	16QAM	25	12	16.92	17.12	17.09				
10	16QAM	25	25	17.10	17.22	17.33				
10	16QAM	50	0	16.97	17.20	17.24				
10	64QAM	1	0	16.88	17.26	17.14				
10	64QAM	1	25	16.85	17.17	17.00				
10	64QAM	1	49	17.34	17.09	17.23				
10	64QAM	25	0	16.90	16.99	17.01				
10	64QAM	25	12	17.07	17.08	17.16				
10	64QAM	25	25	17.18	16.93	17.27				
10	64QAM	50	0	17.07	17.04	17.12				
10	256QAM	1	0	16.84	16.75	16.67		18.5		
10	256QAM	1	25	16.52	16.95	16.79				
10	256QAM	1	49	16.88	16.86	16.90				
10	256QAM	25	0	17.19	17.07	17.23				
10	256QAM	25	12	17.02	17.00	17.01				
10	256QAM	25	25	16.94	17.11	17.23				
10	256QAM	50	0	16.93	16.95	17.30				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	16.98	17.07	17.27		18.5		
5	QPSK	1	12	17.05	17.03	17.12				
5	QPSK	1	24	17.01	17.24	16.99				
5	QPSK	12	0	17.02	17.35	17.16				
5	QPSK	12	7	17.21	16.97	17.16				
5	QPSK	12	13	17.10	17.18	17.28				
5	QPSK	25	0	17.05	17.03	17.13				
5	16QAM	1	0	16.97	17.05	16.88				
5	16QAM	1	12	16.99	16.88	17.00				
5	16QAM	1	24	16.91	17.22	17.01				
5	16QAM	12	0	17.00	17.18	17.30		18.5		
5	16QAM	12	7	17.16	17.16	17.30				
5	16QAM	12	13	17.10	17.06	17.31				
5	16QAM	25	0	17.00	17.06	17.17				
5	16QAM	1	0	16.78	16.87	16.85				
5	16QAM	1	12	16.74	16.69	16.93				
5	16QAM	1	24	16.64	16.60	16.91				
5	16QAM	12	0	17.24	17.31	17.09				
5	16QAM	12	7	17.11	17.29	17.31				
5	16QAM	12	13	17.24	17.04	17.14				
5	16QAM	25	0	17.16	17.14	16.96		18.5		
5	16QAM	1	0	16.74	16.96	17.13				
5	16QAM	1	12	16.70	16.96	17.03				
5	16QAM	1	24	16.64	16.60	16.91				
5	16QAM	12	0	17.24	17.31	17.09				
5	16QAM	12	7	17.11	17.29	17.31				
5	16QAM	12	13	17.24	17.04	17.14				
5	16QAM	25	0	17.16	17.20	17.15				
5	16QAM	1	0	16.70	17.20	17.15				
5	16QAM	1	12	16.92	17.16	17.10				
5	16QAM	1	24	17.00	17.20	17.22				
5	16QAM	12	0	17.23	17.16	17.25		18.5		
5	16QAM	12	7	17.21	17.17	17.28				
5	16QAM	12	13	17.10	17.01	17.25				
5	16QAM	25	0	17.00	17.06	17.17				
5	16QAM	1	0	16.78	16.87	16.85				
5	16QAM	1	12	16.74	16.69	16.93				
5	16QAM	1	24	16.64	16.60	16.91				
5	16QAM	12	0	17.24	17.31	17.09				
5	16QAM	12	7	17.11	17.29	17.31				
5	16QAM	12	13	17.24	1					



Band 38_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									
Frequency (MHz)									
20	QPSK	1	0	20.59	20.54	20.56	21.5	0	
20	QPSK	1	49	20.35	20.33	20.44			
20	QPSK	1	99	20.54	20.53	20.41			
20	QPSK	50	0	20.57	20.50	20.53			
20	QPSK	50	24	20.45	20.43	20.38			
20	QPSK	50	50	20.45	20.41	20.42			
20	QPSK	100	0	20.54	20.50	20.51			
20	16QAM	1	0	20.56	20.45	20.47			
20	16QAM	1	49	20.58	20.52	20.50			
20	16QAM	1	99	20.53	20.59	20.42			
20	16QAM	50	0	20.38	20.37	20.42			
20	16QAM	50	24	20.53	20.41	20.38			
20	16QAM	50	50	20.51	20.46	20.36			
20	16QAM	100	0	20.54	20.30	20.37			
20	64QAM	1	0	20.32	20.30	20.41			
20	64QAM	1	49	20.35	20.53	20.43			
20	64QAM	1	99	20.45	20.51	20.52			
20	64QAM	50	0	19.98	19.98	19.87			
20	64QAM	50	24	20.11	20.08	19.94	21	0.5	
20	64QAM	50	50	19.97	19.95	19.88			
20	64QAM	100	0	20.01	19.80	19.92			
20	256QAM	1	0	17.69	17.93	17.74	19	2.5	
20	256QAM	1	49	17.57	17.69	17.56			
20	256QAM	1	99	17.43	17.85	17.57			
20	256QAM	50	0	18.13	17.95	17.66			
20	256QAM	50	24	17.89	17.86	17.79	19	2.5	
20	256QAM	50	50	17.90	17.88	17.82			
20	256QAM	100	0	17.72	18.01	17.88			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.49	20.43	20.30	21.5	0	
15	QPSK	1	37	20.40	20.17	20.34			
15	QPSK	1	74	20.39	20.25	20.33			
15	QPSK	36	0	20.41	20.43	20.36			
15	QPSK	36	20	20.40	20.39	20.30			
15	QPSK	36	39	20.39	20.22	20.16	21.5	0	
15	QPSK	75	0	20.36	20.28	20.24			
15	16QAM	1	0	20.52	20.39	20.42			
15	16QAM	1	37	20.44	20.52	20.29	21.5	0	
15	16QAM	1	74	20.28	20.57	20.38			
15	16QAM	36	0	20.08	20.38	20.25			
15	16QAM	36	20	20.49	20.46	20.09			
15	16QAM	36	39	20.31	20.49	20.29			
15	16QAM	75	0	20.55	20.09	20.14			
15	64QAM	1	0	20.24	20.14	20.34			
15	64QAM	1	37	20.22	20.56	20.26	21.5	0	
15	64QAM	1	74	20.27	20.42	20.47			
15	64QAM	36	0	19.79	19.74	19.84			
15	64QAM	36	20	19.97	20.04	19.80	21	0.5	
15	64QAM	36	39	19.78	20.00	19.81			
15	64QAM	75	0	19.86	19.80	19.62			
15	256QAM	1	0	17.66	17.67	17.65	19	2.5	
15	256QAM	1	37	17.61	17.67	17.48			
15	256QAM	1	74	17.45	17.90	17.48			
15	256QAM	36	0	17.85	17.82	17.53			
15	256QAM	36	20	17.60	17.71	17.63	19	2.5	
15	256QAM	36	39	17.77	17.76	17.61			
15	256QAM	75	0	17.58	17.73	17.77			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.47	20.27	20.41	21.5	0	
10	QPSK	1	25	20.26	20.36	20.33			
10	QPSK	1	49	20.34	20.38	20.26			
10	QPSK	25	0	20.58	20.26	20.24			
10	QPSK	25	12	20.24	20.25	20.31			
10	QPSK	25	25	20.24	20.45	20.35	21.5	0	
10	QPSK	50	0	20.24	20.20	20.31			
10	16QAM	1	0	20.43	20.21	20.49			
10	16QAM	1	25	20.43	20.34	20.21	21.5	0	
10	16QAM	1	49	20.38	20.30	20.11			
10	16QAM	25	0	20.32	20.29	20.37			
10	16QAM	25	12	20.43	20.18	20.08			
10	16QAM	25	25	20.44	20.38	20.31			
10	16QAM	50	0	20.55	20.27	20.13			
10	64QAM	1	0	20.31	20.00	20.15			
10	64QAM	1	25	20.06	20.38	20.29	21.5	0	
10	64QAM	1	49	20.45	20.32	20.27			
10	64QAM	25	0	19.97	19.69	19.81			
10	64QAM	25	12	19.86	19.94	19.78	21	0.5	
10	64QAM	25	25	19.85	19.78	19.85			
10	64QAM	50	0	19.85	19.78	19.85			
10	256QAM	1	0	17.51	17.77	17.65	19	2.5	
10	256QAM	1	25	17.32	17.47	17.44			
10	256QAM	1	49	17.30	17.73	17.40			
10	256QAM	25	0	17.93	17.67	17.59			
10	256QAM	25	12	17.88	17.61	17.77			
10	256QAM	25	25	17.77	17.85	17.85			
10	256QAM	50	0	17.68	17.82	17.58			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.44	20.49	20.39	21.5	0	
5	QPSK	1	12	20.35	20.34	20.47			
5	QPSK	1	24	20.46	20.40	20.15			
5	QPSK	12	0	20.54	20.48	20.39			
5	QPSK	12	7	20.36	20.35	20.09			
5	QPSK	12	13	20.32	20.10	20.46	21.5	0	
5	QPSK	25	0	20.42	20.52	20.43			
5	16QAM	1	0	20.36	20.23	20.23			
5	16QAM	1	12	20.56	20.46	20.33			
5	16QAM	1	24	20.26	20.48	20.36			
5	16QAM	12	0	20.35	20.38	20.44			
5	16QAM	12	7	20.43	20.24	20.09			
5	16QAM	12	13	20.31	20.30	20.20	21.5	0	
5	16QAM	25	0	20.47	20.22	20.23			
5	64QAM	1	0	20.34	20.14	20.23			
5	64QAM	1	12	20.22	20.23	20.20			
5	64QAM	1	24	20.49	20.22	20.34			
5	64QAM	12	0	19.67	19.71	19.59			
5	64QAM	12	7	19.80	19.94	19.96			
5	64QAM	12	13	19.66	19.98	19.57			
5	64QAM	25	0	19.96	19.77	19.81			
5	256QAM	1	0	17.71	17.77	17.46	19	2.5	
5	256QAM	1	12	17.45	17.59	17.49			
5	256QAM	1	24	17.35	17.71	17.53			
5	256QAM	12	0	17.54	17.64	17.36			
5	256QAM	12	7	17.60	17.84	17.57			
5	256QAM	12	13	17.78	17.57	17.67			
5	256QAM	25	0	17.51	17.84	17.69			

Band 41_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									
Frequency (MHz)									
20	QPSK	1	0	20.26	20.45	20.33	21.5	0	
20	QPSK	1	49	20.32	20.44	20.43			
20	QPSK	1	99	20.47	20.68	20.61			
20	QPSK	50	0	20.44	20.51	20.52			
20	QPSK	50	24	20.45	20.66	20.60			
20	QPSK	50	50	20.39	20.64	20.58			
20	QPSK	100	0	20.41	20.53	20.58			
20	16QAM	1	0	20.59					



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



Full Power	
2CC	

Downlink CA Power

3CC														
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	26865	1	0	41	20	2593	40620	22.62	22.80
		CA_41A-42A	41	20	2571	40400	1	99	42	20	3500	42590	22.79	23.07
Intra-Band	Non-Contiguous	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



Full Power Mode for 5G NR

n5_Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.25	23.28	23.18	24.0	0.0	
20	PI/2 BPSK	1	53	23.06	23.11	23.06			
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	23.5	0.5	
20	PI/2 BPSK	100	0	22.51	22.54	22.48			
20	QPSK	1	1	23.21	23.24	23.14	24.0	0.0	
20	QPSK	1	53	23.02	23.08	23.02			
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	23.0	1.0	
20	QPSK	100	0	22.02	22.05	21.93			
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									
Frequency (MHz)									
15	PI/2 BPSK	1	1	23.19	23.21	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	23.23	23.13	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	23.20	23.18	23.09	24.0	0.0	



n77_Ant5
Par27O

n77_Ant5 Par270									
BW [MHz]	Modulation	RB Size	RB Offset	Power Model	Power Model	Power Model	Up-link limit	MPR	
				C / Freq	C / Freq	C / Freq	(dBm)	(dB)	
100	Channel Frequency (MHz)	650000	656000	662000	3750	3840	3930		
100	Pt2 BPSK	1	1	27.76	22.62	22.62	24.0	0.0	
100	Pt2 BPSK	1	137	27.72	22.59	22.60	24.0	0.0	
100	Pt2 BPSK	1	271	27.65	22.56	22.57	23.5	0.5	
100	Pt2 BPSK	135	1	27.24	21.97	22.00	23.5	0.5	
100	Pt2 BPSK	135	69	27.05	22.54	22.52	24.0	0.0	
100	Pt2 BPSK	135	138	27.13	22.09	22.02	23.5	0.5	
100	Pt2 BPSK	270	0	27.13	22.07	21.97	23.5	0.5	
100	QPSK	1	1	27.72	22.57	22.54	24.0	0.0	
100	QPSK	1	137	27.68	22.56	22.52	24.0	0.0	
100	QPSK	1	271	27.41	22.47	22.46	24.0	0.0	
100	QPSK	135	1	27.24	21.97	21.94	24.0	0.0	
100	QPSK	135	69	27.05	22.58	22.54	24.0	0.0	
100	QPSK	135	138	27.15	21.51	21.50	24.0	0.0	
100	QPSK	270	0	27.19	21.58	21.48	23.0	1.0	
100	16QAM	1	1	27.72	21.49	21.47	23.0	1.0	
100	64QAM	1	1	27.20	20.02	20.00	21.5	2.5	
100	256QAM	1	1	18.12	17.93	17.92	19.5	4.5	
100	Channel Frequency (MHz)	650000	656000	662000	3760.01	3840	3939.99	Tun-up limit (dBm)	MPR
80	Pt2 BPSK	1	1	27.33	22.42	22.42	24.0	0.0	
80	Channel Frequency (MHz)	648600	656000	663320	3790.01	3840	3948.99	Tun-up limit (dBm)	MPR
60	Pt2 BPSK	1	1	26.66	22.50	22.48	24.0	0.0	
60	Channel Frequency (MHz)	648000	656000	664000	3790.01	3840	3954.99	Tun-up limit (dBm)	MPR
40	Pt2 BPSK	1	1	26.87	22.47	22.41	24.0	0.0	
40	Channel Frequency (MHz)	647600	656000	664320	3715.02	3840	3964.98	Tun-up limit (dBm)	MPR
30	Pt2 BPSK	1	1	26.88	22.49	22.49	24.0	0.0	

n77_Ant5
Par27Q

n77_Ant5 Par27Q								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
Frequency (MHz)								
100	Pi2 BPSK	1	1	22.75				
100	Pi2 BPSK	1	137	22.72			24.0	0.0
100	Pi2 BPSK	1	271	22.71			24.0	0.0
100	Pi2 BPSK	135	0	22.10			23.5	0.5
100	Pi2 BPSK	135	69	22.73			24.0	0.0
100	Pi2 BPSK	135	138	22.25			23.5	0.5
100	Pi2 BPSK	270	0	22.22			23.5	0.5
100	QPSK	1	1	22.30				
100	QPSK	1	137	22.62			24.0	0.0
100	QPSK	1	271	22.70			24.0	0.0
100	QPSK	135	0	21.43				
100	QPSK	135	69	22.53			24.0	0.0
100	QPSK	135	138	21.70				
100	QPSK	270	0	21.68			23.0	1.0
100	16QAM	1	1	21.50			23.0	1.0
100	64QAM	1	1	20.63			21.5	2.5
100	256QAM	1	1	19.30			19.5	4.5
Frequency (MHz)								
80	Pi2 BPSK	1	1	22.59	22.77	22.55	Tune-up limit (dBm)	MPR (dB)
80	Pi2 BPSK	1	1	632668	634632	634600	Tune-up limit (dBm)	MPR (dB)
80	Pi2 BPSK	1	1	3450.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)
60	Pi2 BPSK	1	1	22.61	22.63	22.59	24.0	0.0
60	Pi2 BPSK	1	1	631334	633352	633332	Tune-up limit (dBm)	MPR (dB)
60	Pi2 BPSK	1	1	3465	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)
40	Pi2 BPSK	1	1	22.56	22.61	22.59	24.0	0.0
40	Pi2 BPSK	1	1	631000	633332	633694	Tune-up limit (dBm)	MPR (dB)
30	Pi2 BPSK	1	1	22.53	22.58	22.68	24.0	0.0

n78_Ant5
Par270

n78_Ant5 Par2									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Turn-up limit	MPR (dB)
				Ch / Freq	Ch / Freq	Ch / Freq	Ch / Freq		
100	PB2PSK	1	1	22.95	650000	22.93	650000	24.0	0.0
100	PB2PSK	1	137	22.93	3750	22.81	3750	23.5	0.5
100	PB2PSK	1	221	22.83	3750	22.81	3750	24.0	0.0
100	PB2PSK	135	0	22.81	3750	22.81	3750	23.5	0.5
100	PB2PSK	135	69	22.85	3750	22.81	3750	24.0	0.0
100	PB2BPSK	135	138	22.71	3750	22.71	3750	23.5	0.5
100	PB2BPSK	270	0	22.76	3750	22.76	3750	24.0	0.0
100	QPSK	1	1	22.81	650000	22.81	650000	24.0	0.0
100	QPSK	1	137	22.78	3750	22.74	3750	23.0	1.0
100	QPSK	1	271	22.74	3750	22.74	3750	23.0	1.0
100	QPSK	135	0	22.74	3750	22.74	3750	23.0	1.0
100	QPSK	135	69	22.79	3750	22.79	3750	24.0	0.0
100	QPSK	135	138	22.68	3750	22.68	3750	24.0	0.0
100	QPSK	270	0	22.78	3750	22.78	3750	23.0	1.0
100	16QAM	1	1	22.61	650000	22.61	650000	23.0	1.0
100	64QAM	1	1	20.62	650000	20.62	650000	21.5	2.5
100	256QAM	1	1	18.81	650000	18.81	650000	19.5	4.5
100	Channel	649058				650323	650323	Turn-up limit	MPR (dB)
100	Frequency (MHz)	3765.02				3760	3760	Turn-up limit	MPR (dB)
90	PB2PSK	1	1	22.68	22.91	22.84	22.91	24.0	0.0
90	PB2PSK	1	137	22.68	650000	650000	650000	Turn-up limit	MPR (dB)
90	PB2PSK	1	221	22.76	3750	22.76	3750	24.0	0.0
90	PB2PSK	135	0	22.76	3750	22.76	3750	24.0	0.0
90	PB2PSK	135	69	22.79	3750	22.79	3750	24.0	0.0
90	PB2PSK	135	138	22.68	3750	22.68	3750	24.0	0.0
90	PB2PSK	270	0	22.78	3750	22.78	3750	24.0	0.0
70	PB2BPSK	1	1	22.79	22.90	22.87	22.87	24.0	0.0
70	PB2BPSK	1	137	22.79	3750	22.79	3750	24.0	0.0
70	PB2BPSK	1	221	22.86	3750	22.86	3750	24.0	0.0
70	PB2BPSK	135	0	22.86	3750	22.86	3750	24.0	0.0
70	PB2BPSK	135	69	22.86	3750	22.86	3750	24.0	0.0
70	PB2BPSK	135	138	22.85	3750	22.85	3750	24.0	0.0
70	PB2BPSK	270	0	22.86	3750	22.86	3750	24.0	0.0
60	PB2PSK	1	1	22.86	22.91	22.87	22.87	24.0	0.0
60	PB2PSK	1	137	22.86	650000	650000	650000	Turn-up limit	MPR (dB)
60	PB2PSK	1	221	22.86	3750	22.86	3750	24.0	0.0
60	PB2PSK	135	0	22.86	3750	22.86	3750	24.0	0.0
60	PB2PSK	135	69	22.86	3750	22.86	3750	24.0	0.0
60	PB2PSK	135	138	22.85	3750	22.85	3750	24.0	0.0
60	PB2PSK	270	0	22.86	3750	22.86	3750	24.0	0.0
50	PB2BPSK	1	1	22.86	22.91	22.87	22.87	24.0	0.0
50	PB2BPSK	1	137	22.86	650000	650000	650000	Turn-up limit	MPR (dB)
50	PB2BPSK	1	221	22.86	3750	22.86	3750	24.0	0.0
50	PB2BPSK	135	0	22.86	3750	22.86	3750	24.0	0.0
50	PB2BPSK	135	69	22.86	3750	22.86	3750	24.0	0.0
50	PB2BPSK	135	138	22.85	3750	22.85	3750	24.0	0.0
50	PB2BPSK	270	0	22.86	3750	22.86	3750	24.0	0.0
40	PB2PSK	1	1	22.86	22.91	22.89	22.89	24.0	0.0
40	PB2PSK	1	137	22.86	650000	650000	650000	Turn-up limit	MPR (dB)
40	PB2PSK	1	221	22.86	3750	22.86	3750	24.0	0.0
40	PB2PSK	135	0	22.86	3750	22.86	3750	24.0	0.0
40	PB2PSK	135	69	22.86	3750	22.86	3750	24.0	0.0
40	PB2PSK	135	138	22.85	3750	22.85	3750	24.0	0.0
40	PB2PSK	270	0	22.86	3750	22.86	3750	24.0	0.0
30	PB2PSK	1	1	22.86	22.89	22.86	22.86	24.0	0.0
30	PB2PSK	1	137	22.86	650000	650000	650000	Turn-up limit	MPR (dB)
30	PB2PSK	1	221	22.86	3750	22.86	3750	24.0	0.0
30	PB2PSK	135	0	22.86	3750	22.86	3750	24.0	0.0
30	PB2PSK	135	69	22.86	3750	22.86	3750	24.0	0.0
30	PB2PSK	135	138	22.85	3750	22.85	3750	24.0	0.0
30	PB2PSK	270	0	22.86	3750	22.86	3750	24.0	0.0
20	PB2BPSK	1	1	22.86	22.89	22.87	22.87	24.0	0.0
20	PB2BPSK	1	137	22.86	650000	650000	650000	Turn-up limit	MPR (dB)
20	PB2BPSK	1	221	22.86	3750	22.86	3750	24.0	0.0
20	PB2BPSK	135	0	22.86	3750	22.86	3750	24.0	0.0
20	PB2BPSK	135	69	22.86	3750	22.86	3750	24.0	0.0
20	PB2BPSK	135	138	22.85	3750	22.85	3750	24.0	0.0
20	PB2BPSK	270	0	22.86	3750	22.86	3750	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 MPR	
Channel								
100	Pt2 BPSK	1	1	22.73	22.98	24.0	0.0	
100	Pt2 BPSK	1	137	22.78	23.05	24.0	0.0	
100	Pt2 BPSK	1	271	22.05	22.71	23.5	0.5	
100	Pt2 BPSK	135	0	22.71	22.96	24.0	0.0	
100	Pt2 BPSK	135	69	22.96	22.99	24.0	0.0	
100	Pt2 BPSK	135	138	22.99	23.5	23.5	0.5	
100	Pt2 BPSK	270	0	22.99	23.5	24.0	0.0	
100	QPSK	1	1	22.68	22.95	24.0	0.0	
100	QPSK	1	137	22.95	23.01	24.0	0.0	
100	QPSK	135	0	22.66	23.01	24.0	0.0	
100	QPSK	135	69	22.78	23.01	24.0	0.0	
100	QPSK	135	138	22.87	23.01	24.0	0.0	
100	QPSK	270	0	22.78	23.01	24.0	0.0	
100	64QAM	1	1	22.45	22.92	23.0	1.0	
100	64QAM	1	1	20.42	21.94	21.5	2.5	
100	256QAM	1	1	18.60	19.28	19.5	4.5	
Channel								
90	Pt2 BPSK	1	1	22.87	22.98	24.0	0.0	
90	Pt2 BPSK	1	137	22.98	23.05	24.0	0.0	
90	Pt2 BPSK	1	271	22.98	23.05	24.0	0.0	
90	Pt2 BPSK	135	0	22.98	23.05	24.0	0.0	
90	Pt2 BPSK	135	69	22.98	23.05	24.0	0.0	
90	Pt2 BPSK	135	138	22.98	23.05	24.0	0.0	
90	Pt2 BPSK	270	0	22.98	23.05	24.0	0.0	
90	QPSK	1	1	22.87	22.98	24.0	0.0	
90	QPSK	1	137	22.98	23.05	24.0	0.0	
90	QPSK	135	0	22.87	22.98	24.0	0.0	
90	QPSK	135	69	22.98	23.05	24.0	0.0	
90	QPSK	135	138	22.98	23.05	24.0	0.0	
90	QPSK	270	0	22.98	23.05	24.0	0.0	
90	64QAM	1	1	22.92	23.02	23.5	2.5	
90	64QAM	1	1	21.94	22.92	23.5	2.5	
90	256QAM	1	1	20.41	21.94	21.5	4.5	
Frequency (MHz)								
80	Pt2 BPSK	1	1	22.86	22.92	22.99	24.0	0.0
80	Pt2 BPSK	1	137	22.86	22.92	22.99	24.0	0.0
80	Pt2 BPSK	135	0	22.86	22.92	22.99	24.0	0.0
80	Pt2 BPSK	135	69	22.86	22.92	22.99	24.0	0.0
80	Pt2 BPSK	135	138	22.86	22.92	22.99	24.0	0.0
80	Pt2 BPSK	270	0	22.86	22.92	22.99	24.0	0.0
80	QPSK	1	1	22.86	22.92	22.99	24.0	0.0
80	QPSK	1	137	22.86	22.92	22.99	24.0	0.0
80	QPSK	135	0	22.86	22.92	22.99	24.0	0.0
80	QPSK	135	69	22.86	22.92	22.99	24.0	0.0
80	QPSK	135	138	22.86	22.92	22.99	24.0	0.0
80	QPSK	270	0	22.86	22.92	22.99	24.0	0.0
80	64QAM	1	1	22.86	22.92	22.99	24.0	0.0
80	64QAM	1	1	21.94	22.92	22.99	24.0	0.0
80	256QAM	1	1	20.41	21.94	21.5	4.5	
Frequency (MHz)								
70	Pt2 BPSK	1	1	22.87	23.03	23.05	24.0	0.0
70	Pt2 BPSK	1	137	22.87	23.03	23.05	24.0	0.0
70	Pt2 BPSK	135	0	22.87	23.03	23.05	24.0	0.0
70	Pt2 BPSK	135	69	22.87	23.03	23.05	24.0	0.0
70	Pt2 BPSK	135	138	22.87	23.03	23.05	24.0	0.0
70	Pt2 BPSK	270	0	22.87	23.03	23.05	24.0	0.0
70	QPSK	1	1	22.87	23.03	23.05	24.0	0.0
70	QPSK	1	137	22.87	23.03	23.05	24.0	0.0
70	QPSK	135	0	22.87	23.03	23.05	24.0	0.0
70	QPSK	135	69	22.87	23.03	23.05	24.0	0.0
70	QPSK	135	138	22.87	23.03	23.05	24.0	0.0
70	QPSK	270	0	22.87	23.03	23.05	24.0	0.0
70	64QAM	1	1	22.86	23.02	23.05	24.0	0.0
70	64QAM	1	1	21.94	23.02	23.05	24.0	0.0
70	256QAM	1	1	20.41	23.02	23.05	24.0	0.0
Frequency (MHz)								
60	Pt2 BPSK	1	1	22.76	22.98	22.98	24.0	0.0
60	Pt2 BPSK	1	137	22.76	22.98	22.98	24.0	0.0
60	Pt2 BPSK	135	0	22.76	22.98	22.98	24.0	0.0
60	Pt2 BPSK	135	69	22.76	22.98	22.98	24.0	0.0
60	Pt2 BPSK	135	138	22.76	22.98	22.98	24.0	0.0
60	Pt2 BPSK	270	0	22.76	22.98	22.98	24.0	0.0
60	QPSK	1	1	22.76	22.98	22.98	24.0	0.0
60	QPSK	1	137	22.76	22.98	22.98	24.0	0.0
60	QPSK	135	0	22.76	22.98	22.98	24.0	0.0
60	QPSK	135	69	22.76	22.98	22.98	24.0	0.0
60	QPSK	135	138	22.76	22.98	22.98	24.0	0.0
60	QPSK	270	0	22.76	22.98	22.98	24.0	0.0
60	64QAM	1	1	22.76	22.98	22.98	24.0	0.0
60	64QAM	1	1	21.84	22.98	22.98	24.0	0.0
60	256QAM	1	1	20.41	22.98	22.98	24.0	0.0
Frequency (MHz)								
50	Pt2 BPSK	1	1	22.76	22.90	23.00	24.0	0.0
50	Pt2 BPSK	1	137	22.76	22.90	23.00	24.0	0.0
50	Pt2 BPSK	135	0	22.76	22.90	23.00	24.0	0.0
50	Pt2 BPSK	135	69	22.76	22.90	23.00	24.0	0.0
50	Pt2 BPSK	135	138	22.76	22.90	23.00	24.0	0.0
50	Pt2 BPSK	270	0	22.76	22.90	23.00	24.0	0.0
50	QPSK	1	1	22.76	22.90	23.00	24.0	0.0
50	QPSK	1	137	22.76	22.90	23.00	24.0	0.0
50	QPSK	135	0	22.76	22.90	23.00	24.0	0.0
50	QPSK	135	69	22.76	22.90	23.00	24.0	0.0
50	QPSK	135	138	22.76	22.90	23.00	24.0	0.0
50	QPSK	270	0	22.76	22.90	23.00	24.0	0.0
50	64QAM	1	1	22.76	22.90	23.00	24.0	0.0
50	64QAM	1	1	21.84	22.90	23.00	24.0	0.0
50	256QAM	1	1	20.41	22.90	23.00	24.0	0.0
Frequency (MHz)								
40	Pt2 BPSK	1	1	22.89	22.95	22.94	24.0	0.0
40	Pt2 BPSK	1	137	22.89	22.95	22.94	24.0	0.0
40	Pt2 BPSK	135	0	22.89	22.95	22.94	24.0	0.0
40	Pt2 BPSK	135	69	22.89	22.95	22.94	24.0	0.0
40	Pt2 BPSK	135	138	22.89	22.95	22.94	24.0	0.0
40	Pt2 BPSK	270	0	22.89	22.95	22.94	24.0	0.0
40	QPSK	1	1	22.89	22.95	22.94	24.0	0.0
40	QPSK	1	137	22.89	22.95	22.94	24.0	0.0
40	QPSK	135	0	22.89	22.95	22.94	24.0	0.0
40	QPSK	135	69	22.89	22.95	22.94	24.0	0.0
40	QPSK	135	138	22.89	22.95	22.94	24.0	0.0
40	QPSK	270	0	22.89	22.95	22.94	24.0	0.0
40	64QAM	1	1	22.89	22.95	22.94	24.0	0.0
40	64QAM	1	1	21.84	22.95	22.94	24.0	0.0
40	256QAM	1	1	20.41	22.95	22.94	24.0	0.0
Frequency (MHz)								
30	Pt2 BPSK	1	1	22.88	23.01	22.98	24.0	0.0
30	Pt2 BPSK	1	137	22.88	23.01	22.98	24.0	0.0
30	Pt2 BPSK	135	0	22.88	23.01	22.98	24.0	0.0
30	Pt2 BPSK	135	69	22.88	23.01	22.98	24.0	0.0
30	Pt2 BPSK	135	138	22.88	23.01	22.98	24.0	0.0
30	Pt2 BPSK	270	0	22.88	23.01	22.98	24.0	0.0
30	QPSK	1	1	22.88	23.01	22.98	24.0	0.0
30	QPSK	1	137	22.88	23.01	22.98	24.0	0.0
30	QPSK	135	0	22.88	23.01	22.98	24.0	0.0
30	QPSK	135	69	22.88	23.01	22.98	24.0	0.0
30	QPSK	135	138	22.88	23.01	22.98	24.0	0.0
30	QPSK	270	0	22.88	23.01	22.98	24.0	0.0
30	64QAM	1	1	22.88	23.01	22.98	24.0	0.0
30	64QAM	1	1	21.84	23.01	22.98	24.0	0.0
30	256QAM	1	1	20.41	23.01	22.98	24.0	0.0
Frequency (MHz)								
20	Pt2 BPSK	1	1	22.91	23.03	22.99	24.0	0.0
20	Pt2 BPSK	1	137	22.91	23.03	22.99	24.0	0.0
20	Pt2 BPSK	135	0	22.91	23.03	22.99	24.0	0.0
20	Pt2 BPSK	135	69	22.91	23.03	22.99	24.0	0.0
20	Pt2 BPSK	135	138	22.91	23.03	22.99	24.0	0.0
20	P							



n77_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		650000	650000	662000				
Frequency (MHz)		3750	3840	3930				
100	Pt2 BPSK	1	1	14.50	14.56	14.58		
100	Pt2 BPSK	1	137	14.52	14.53	14.22	16.0	0.0
100	Pt2 BPSK	1	271	14.34	14.18	14.21		
100	Pt2 BPSK	135	0	14.51	14.29	14.20	16.0	0.0
100	Pt2 BPSK	135	69	14.64	14.53	14.36	16.0	0.0
100	Pt2 BPSK	135	138	14.37	14.17	14.22	16.0	0.0
100	Pt2 BPSK	270	0	14.65	14.52	14.38		
100	QPSK	1	1	14.44	14.23	14.26		
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	14.36	14.18		
100	QPSK	135	69	14.45	14.31	14.17	16.0	0.0
100	QPSK	135	138	14.42	14.22	14.20		
100	QPSK	270	0	14.45	14.33	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	658000	662000				
Frequency (MHz)		3740.01	3840	3939.99				
80	Pt2 BPSK	1	1	14.31	14.55	14.58		
80	Pt2 BPSK	1	137	14.31	14.55	14.58	16.0	0.0
80	Pt2 BPSK	1	271	14.31	14.55	14.58		
80	Pt2 BPSK	1	653332	653332				
80	Pt2 BPSK	1	3750.02	3840	3949.98			
60	Pt2 BPSK	1	1	14.58	14.59	14.34	16.0	0.0
60	Pt2 BPSK	1	137	14.52	14.44	14.50	16.0	0.0
60	Pt2 BPSK	1	271	14.52	14.44	14.50		
60	Pt2 BPSK	1	649000	658000	664000			
60	Pt2 BPSK	1	3720	3840	3960			
40	Pt2 BPSK	1	1	14.49	14.54	14.43	16.0	0.0
40	Pt2 BPSK	1	137	14.49	14.54	14.43	16.0	0.0
40	Pt2 BPSK	1	271	14.49	14.54	14.43		
40	Pt2 BPSK	1	649332	653332	654000			
40	Pt2 BPSK	1	3715.02	3840	3964.98			
30	Pt2 BPSK	1	1	14.45	14.45	14.41	16.0	0.0

Reduced Power Mode for Receiver on_5G NR								
n77_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		653332		3499.98				
Frequency (MHz)				3499.98				
100	Pt2 BPSK	1	1	14.43				
100	Pt2 BPSK	1	137	14.48			16.0	0.0
100	Pt2 BPSK	1	271	14.50				
100	Pt2 BPSK	135	0	14.50			16.0	0.0
100	Pt2 BPSK	135	69	14.52				
100	Pt2 BPSK	135	138	14.47			16.0	0.0
100	Pt2 BPSK	270	0	14.49				
100	QPSK	1	1	14.49				
100	QPSK	1	137	14.51			16.0	0.0
100	QPSK	1	271	14.48				
100	QPSK	135	0	14.42				
100	QPSK	135	69	14.41			16.0	0.0
100	QPSK	135	138	14.36				
100	QPSK	270	0	14.42			16.0	0.0
100	16QAM	1	1	14.20				
100	64QAM	1	1	14.41				
100	256QAM	1	1	14.49				
Channel		632668	633332	634000				
Frequency (MHz)		3499.02	3499.98	3510				
80	Pt2 BPSK	1	1	14.29				
80	Pt2 BPSK	1	137	14.29			16.0	0.0
80	Pt2 BPSK	1	271	14.29				
80	Pt2 BPSK	1	653332	653332				
80	Pt2 BPSK	1	3750.01	3840	3519.99			
60	Pt2 BPSK	1	1	14.52				
60	Pt2 BPSK	1	137	14.42			16.0	0.0
60	Pt2 BPSK	1	271	14.44				
60	Pt2 BPSK	1	631334	633332	635332			
60	Pt2 BPSK	1	3470.01	3499.98	3529.98			
40	Pt2 BPSK	1	1	14.39				
40	Pt2 BPSK	1	137	14.39			16.0	0.0
40	Pt2 BPSK	1	271	14.48				
40	Pt2 BPSK	1	649332	653332	654000			
40	Pt2 BPSK	1	3715.02	3840	3564.98			
30	Pt2 BPSK	1	1	14.45				
30	Pt2 BPSK	1	137	14.45			16.0	0.0
30	Pt2 BPSK	1	271	14.45				
30	Pt2 BPSK	1	649332	653332	654000			
30	Pt2 BPSK	1	3715.02	3840	3564.98			

n78_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		650000		3750				
Frequency (MHz)				3750				
100	Pt2 BPSK	1	1	14.51				
100	Pt2 BPSK	1	137	14.79			16.0	0.0
100	Pt2 BPSK	1	271	14.80				
100	Pt2 BPSK	135	0	14.63				
100	Pt2 BPSK	135	69	14.80				
100	Pt2 BPSK	135	138	14.71				
100	Pt2 BPSK	270	0	14.69				
100	QPSK	1	1	14.55				
100	QPSK	1	137	14.71			16.0	0.0
100	QPSK	1	271	14.76				
100	QPSK	135	0	14.65				
100	QPSK	135	69	14.69				
100	QPSK	135	138	14.65				
100	QPSK	270	0	14.57				
100	16QAM	1	1	14.48				
100	64QAM	1	1	14.48				
100	256QAM	1	1	14.62				
Channel		649668	650000	650332				
Frequency (MHz)		3745.02	3750	3754.98				
90	Pt2 BPSK	1	1	14.43				
90	Pt2 BPSK	1	137	14.43			16.0	0.0
90	Pt2 BPSK	1	271	14.43				
90	Pt2 BPSK	1	648334	650000	650336			
90	Pt2 BPSK	1	3745.02	3750	3756.98			
80	Pt2 BPSK	1	1	14.48				
80	Pt2 BPSK	1	137	14.49			16.0	0.0
80	Pt2 BPSK	1	271	14.49				
80	Pt2 BPSK	1	648000	650000	651000			
80	Pt2 BPSK	1	3745.02	3750	3765.98			
70	Pt2 BPSK	1	1	14.52				
70	Pt2 BPSK	1	137	14.52			16.0	0.0
70	Pt2 BPSK	1	271	14.52				
70	Pt2 BPSK	1	649332	650000	650332			
70	Pt2 BPSK	1	3715.02	3750	3769.98			
60	Pt2 BPSK	1	1	14.49				
60	Pt2 BPSK	1	137	14.48			16.0	0.0
60	Pt2 BPSK	1	271	14.54				
60	Pt2 BPSK	1	648334	650000	651666			
60	Pt2 BPSK	1	3745.02	3750	3766.98			
50	Pt2 BPSK	1	1	14.56				
50	Pt2 BPSK	1	137	14.63			16.0	0.0
50	Pt2 BPSK	1	271	14.55				
50	Pt2 BPSK	1	648000	650000	652000			
50	Pt2 BPSK	1	3745.02	3750	3770.98			
40	Pt2 BPSK	1	1	14.71				
40	Pt2 BPSK	1	137	14.75			16.0	0.0
40	Pt2 BPSK	1	271	14.81				
40	Pt2 BPSK	1	647668	650000	652332			
40	Pt2 BPSK	1	3745.02	3750	3784.98			
30	Pt2 BPSK	1	1	14.61				
30	Pt2 BPSK	1	137	14.77			16.0	0.0
30	Pt2 BPSK	1	271	14.77				
30	Pt2 BPSK	1	647334	650000	652666			
30	Pt2 BPSK	1	3745.02	3750	3793.98			
20	Pt2 BPSK	1	1	14.58				



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)
300	Pi2 BPSK	1	1	14.58			
100	Pi2 BPSK	1	137	14.78			16.0
100	Pi2 BPSK	1	271	14.80			
100	Pi2 BPSK	135	0	14.60			16.0
100	Pi2 BPSK	135	69	14.76			16.0
100	Pi2 BPSK	135	138	14.68			16.0
100	Pi2 BPSK	270	0	14.74			
100	Pi2 BPSK	270	1	14.58			
100	QPSK	1	137	14.67			16.0
100	QPSK	1	271	14.72			
100	QPSK	135	0	14.66			
100	QPSK	135	69	14.65			16.0
100	QPSK	135	138	14.66			
100	QPSK	270	0	14.66			
100	QPSK	270	1	14.58			
100	QPSK	270	138	14.66			
100	16QAM	1	1	14.40			16.0
100	64QAM	1	1	14.73			16.0
100	256QAM	1	1	14.59			16.0
100	Channel	633000	633332	633696	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)	3495	3499.98	3504.99				
90	Pi2 BPSK	1	1	14.58	14.58	14.58	16.0
Channel	632968	633332	635050	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3490.02	3499.98	3510				
80	Pi2 BPSK	1	1	14.32	14.36	14.33	16.0
Channel	632334	633332	634332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3485.01	3499.98	3514.98				
70	Pi2 BPSK	1	1	14.39	14.44	14.49	16.0
Channel	631900	633332	635666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3489	3499.98	3519.99				
60	Pi2 BPSK	1	1	14.52	14.56	14.59	16.0
Channel	631668	633332	636500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3475.02	3499.98	3525				
50	Pi2 BPSK	1	1	14.48	14.55	14.62	16.0
Channel	631334	633332	637652	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3470.01	3499.98	3529.98				
40	Pi2 BPSK	1	1	14.50	14.65	14.71	16.0
Channel	631000	633332	638666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3465	3499.98	3534.99				
30	Pi2 BPSK	1	1	14.55	14.59	14.66	16.0
Channel	630668	633332	639500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3460.02	3499.98	3540				
20	Pi2 BPSK	1	1	14.53	14.60	14.65	16.0

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)
100	Pi2 BPSK	1	1	14.58			
100	Pi2 BPSK	1	137	14.78			16.0
100	Pi2 BPSK	1	271	14.80			
100	Pi2 BPSK	135	0	14.83			16.0
100	Pi2 BPSK	135	69	14.80			16.0
100	Pi2 BPSK	135	138	14.71			16.0
100	Pi2 BPSK	270	0	14.60			
100	Pi2 BPSK	270	1	14.58			
100	Pi2 BPSK	270	138	14.68			
100	QPSK	1	137	14.67			16.0
100	QPSK	1	271	14.76			
100	QPSK	135	0	14.65			
100	QPSK	135	69	14.69			16.0
100	QPSK	135	138	14.65			
100	QPSK	270	0	14.66			
100	QPSK	270	1	14.58			
100	QPSK	270	138	14.66			
100	16QAM	1	1	14.48			
100	64QAM	1	1	14.72			
100	256QAM	1	1	14.62			
100	Channel	649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)	3745.02	3750	3754.98				
90	Pi2 BPSK	1	1	14.48	14.58	14.58	16.0
Channel	648334	650000	650366	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3740.01	3750	3759.99				
80	Pi2 BPSK	1	1	14.48	14.49	14.45	16.0
Channel	648000	650000	651500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3735	3750	3766				
70	Pi2 BPSK	1	1	14.52	14.51	14.57	16.0
Channel	647668	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3730.02	3750	3769.98				
60	Pi2 BPSK	1	1	14.49	14.48	14.54	16.0
Channel	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3725.01	3750	3774.99				
50	Pi2 BPSK	1	1	14.58	14.63	14.55	16.0
Channel	646000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3720	3750	3780				
40	Pi2 BPSK	1	1	14.71	14.75	14.81	16.0
Channel	647668	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3715.02	3750	3784.98				
30	Pi2 BPSK	1	1	14.61	14.72	14.77	16.0
Channel	647234	650000	652966	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3710.01	3750	3798.99				
20	Pi2 BPSK	1	1	14.58	14.68	14.71	16.0

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)
100	Pi2 BPSK	1	1	14.58			
100	Pi2 BPSK	1	137	14.78			16.0
100	Pi2 BPSK	1	271	14.80			
100	Pi2 BPSK	135	0	14.83			
100	Pi2 BPSK	135	69	14.80			16.0
100	Pi2 BPSK	135	138	14.68			16.0
100	Pi2 BPSK	270	0	14.60			
100	Pi2 BPSK	270	1	14.58			
100	Pi2 BPSK	270	138	14.68			
100	QPSK	1	137	14.67			16.0
100	QPSK	1	271	14.72			
100	QPSK	135	0	14.66			
100	QPSK	135	69	14.65			16.0
100	QPSK	135	138	14.66			
100	QPSK	270	0	14.65			
100	QPSK	270	1	14.58			
100	QPSK	270	138	14.65			
100	16QAM	1	1	14.40			
100	64QAM	1	1	14.40			
100	256QAM	1	1	14.40			
100	Channel	648000	653332	653666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)	3495	3499.98	3504.99				
90	Pi2 BPSK	1	1	14.52	14.58	14.58	16.0
Channel	648334	653332	654050	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3490.02	3499.98	3510				
80	Pi2 BPSK	1	1	14.32	14.36	14.33	16.0
Channel	647234	653332	654332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3485.01	3499.98	3514.98				
70	Pi2 BPSK	1	1	14.39	14.44	14.49	16.0
Channel	647668	653332	655666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3489	3499.98	3519.99				
60	Pi2 BPSK	1	1	14.52	14.56	14.59	16.0
Channel	6471668	653332	656000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3475.02	3499.98	3525				
50	Pi2 BPSK	1	1	14.48	14.55	14.62	16.0
Channel	646000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3470.01	3499.98	3529.98				
40	Pi2 BPSK	1	1	14.55	14.65	14.71	16.0
Channel	647668	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)	3465	3499.98	3534.99				
30	Pi2 BPSK	1	1	14.55	14.59	14.66	16.0
Channel	6470.01	3499.98	3529.98				
20	Pi2 BPSK	1	1	14.53	14.60	14.65	16.0



Reduced Power Mode for Hotspot on/Sensor on_5G NR

n5_Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	19.71	19.73	19.65	20.5	0.0	
20	PI/2 BPSK	1	53	19.54	19.59	19.49			
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	20.5	0.0	
20	PI/2 BPSK	100	0	19.62	19.63	19.49			
20	QPSK	1	1	19.64	19.70	19.67	20.5	0.0	
20	QPSK	1	53	19.56	19.61	19.51			
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	20.5	0.0	
20	QPSK	100	0	19.53	19.56	19.49			
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									
Frequency (MHz)									
15	PI/2 BPSK	1	1	19.15	19.16	19.08	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	19.19	19.07	19.02	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	19.21	19.09	19.01	24.0	0.0	



n77_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				6500000	6620000				
Frequency (MHz)									
100	Pt2 BPSK	1	1	12.40	12.47	12.61	14.0	0.0	
100	Pt2 BPSK	1	137	12.45	12.74	12.81	14.0	0.0	
100	Pt2 BPSK	1	271	12.47	12.75	12.83	14.0	0.0	
100	Pt2 BPSK	135	0	12.45	12.73	12.80	14.0	0.0	
100	Pt2 BPSK	135	69	12.49	12.75	12.81	14.0	0.0	
100	Pt2 BPSK	135	138	12.47	12.73	12.80	14.0	0.0	
100	Pt2 BPSK	270	0	12.40	12.48	12.52	14.0	0.0	
100	QPSK	1	1	12.48	12.69	12.82	14.0	0.0	
100	QPSK	1	137	12.48	12.76	12.84	14.0	0.0	
100	QPSK	1	271	12.48	12.76	12.84	14.0	0.0	
100	QPSK	135	0	12.44	12.70	12.89	14.0	0.0	
100	QPSK	135	69	12.39	12.67	12.80	14.0	0.0	
100	QPSK	135	138	12.38	12.68	12.80	14.0	0.0	
100	QPSK	270	0	12.43	12.64	12.85	14.0	0.0	
100	16QAM	1	1	12.18	12.59	12.87	14.0	0.0	
100	64QAM	1	1	12.41	12.76	12.88	14.0	0.0	
100	256QAM	1	1	12.52	12.73	12.88	14.0	0.0	
Channel									
				649334	6580000	6620000	Tune-up limit	MPR	
Frequency (MHz)									
80	Pt2 BPSK	1	1	12.45	12.48	12.52	14.0	0.0	
80	Pt2 BPSK	1	137	12.45	12.50	12.52	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	12.45	12.50	12.52	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	12.45	12.50	12.52	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	12.25	12.38	12.35	14.0	0.0	
80	Pt2 BPSK	1	137	12.25	12.38	12.35	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	12.25	12.38	12.35	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	12.25	12.38	12.35	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	12.05	12.18	12.22	14.0	0.0	
80	Pt2 BPSK	1	137	12.05	12.18	12.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	12.05	12.18	12.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	12.05	12.18	12.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	11.85	11.98	12.02	14.0	0.0	
80	Pt2 BPSK	1	137	11.85	11.98	12.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	11.85	11.98	12.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	11.85	11.98	12.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	11.65	11.78	11.82	14.0	0.0	
80	Pt2 BPSK	1	137	11.65	11.78	11.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	11.65	11.78	11.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	11.65	11.78	11.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	11.45	11.58	11.62	14.0	0.0	
80	Pt2 BPSK	1	137	11.45	11.58	11.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	11.45	11.58	11.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	11.45	11.58	11.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	11.25	11.38	11.42	14.0	0.0	
80	Pt2 BPSK	1	137	11.25	11.38	11.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	11.25	11.38	11.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	11.25	11.38	11.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	11.05	11.18	11.22	14.0	0.0	
80	Pt2 BPSK	1	137	11.05	11.18	11.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	11.05	11.18	11.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	11.05	11.18	11.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	10.85	10.98	11.02	14.0	0.0	
80	Pt2 BPSK	1	137	10.85	10.98	11.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	10.85	10.98	11.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	10.85	10.98	11.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	10.65	10.78	10.82	14.0	0.0	
80	Pt2 BPSK	1	137	10.65	10.78	10.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	10.65	10.78	10.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	10.65	10.78	10.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	10.45	10.58	10.62	14.0	0.0	
80	Pt2 BPSK	1	137	10.45	10.58	10.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	10.45	10.58	10.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	10.45	10.58	10.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	10.25	10.38	10.42	14.0	0.0	
80	Pt2 BPSK	1	137	10.25	10.38	10.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	10.25	10.38	10.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	10.25	10.38	10.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	10.05	10.18	10.22	14.0	0.0	
80	Pt2 BPSK	1	137	10.05	10.18	10.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	10.05	10.18	10.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	10.05	10.18	10.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	9.85	9.98	10.02	14.0	0.0	
80	Pt2 BPSK	1	137	9.85	9.98	10.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	9.85	9.98	10.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	9.85	9.98	10.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	9.65	9.78	9.82	14.0	0.0	
80	Pt2 BPSK	1	137	9.65	9.78	9.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	9.65	9.78	9.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	9.65	9.78	9.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	9.45	9.58	9.62	14.0	0.0	
80	Pt2 BPSK	1	137	9.45	9.58	9.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	9.45	9.58	9.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	9.45	9.58	9.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	9.25	9.38	9.42	14.0	0.0	
80	Pt2 BPSK	1	137	9.25	9.38	9.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	9.25	9.38	9.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	9.25	9.38	9.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	9.05	9.18	9.22	14.0	0.0	
80	Pt2 BPSK	1	137	9.05	9.18	9.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	9.05	9.18	9.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	9.05	9.18	9.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	8.85	8.98	9.02	14.0	0.0	
80	Pt2 BPSK	1	137	8.85	8.98	9.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	8.85	8.98	9.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	8.85	8.98	9.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	8.65	8.78	8.82	14.0	0.0	
80	Pt2 BPSK	1	137	8.65	8.78	8.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	8.65	8.78	8.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	8.65	8.78	8.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	8.45	8.58	8.62	14.0	0.0	
80	Pt2 BPSK	1	137	8.45	8.58	8.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	8.45	8.58	8.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	8.45	8.58	8.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	8.25	8.38	8.42	14.0	0.0	
80	Pt2 BPSK	1	137	8.25	8.38	8.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	8.25	8.38	8.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	8.25	8.38	8.42	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	8.05	8.18	8.22	14.0	0.0	
80	Pt2 BPSK	1	137	8.05	8.18	8.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	8.05	8.18	8.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	8.05	8.18	8.22	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	7.85	7.98	8.02	14.0	0.0	
80	Pt2 BPSK	1	137	7.85	7.98	8.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	7.85	7.98	8.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	7.85	7.98	8.02	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	7.65	7.78	7.82	14.0	0.0	
80	Pt2 BPSK	1	137	7.65	7.78	7.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	7.65	7.78	7.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	7.65	7.78	7.82	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	7.45	7.58	7.62	14.0	0.0	
80	Pt2 BPSK	1	137	7.45	7.58	7.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	271	7.45	7.58	7.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	135	7.45	7.58	7.62	Tune-up limit	MPR	
80	Pt2 BPSK	1	1	7.25	7.38	7.42	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	Pt2 BPSK	1	1	12.70	12.70	12.70	14.0	0.0
100	Pt2 BPSK	1	137	12.98	12.98	12.98	14.0	0.0
100	Pt2 BPSK	1	271	12.72	12.72	12.72	14.0	0.0
100	Pt2 BPSK	135	0	12.65	12.65	12.65	14.0	0.0
100	Pt2 BPSK	135	69	12.69	12.69	12.69	14.0	0.0
100	Pt2 BPSK	135	138	12.68	12.68	12.68	14.0	0.0
100	Pt2 BPSK	270	0	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	1	12.68	12.68	12.68	14.0	0.0
100	QPSK	1	137	12.69	12.69	12.69	14.0	0.0
100	QPSK	1	271	12.70	12.70	12.70	14.0	0.0
100	QPSK	135	0	12.65	12.65	12.65	14.0	0.0
100	QPSK	135	69	12.69	12.69	12.69	14.0	0.0
100	QPSK	135	138	12.68	12.68	12.68	14.0	0.0
100	QPSK	270	0	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	1	12.68	12.68	12.68	14.0	0.0
100	QPSK	1	137	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	271	12.81	12.81	12.81	14.0	0.0
100	QPSK	135	0	12.72	12.72	12.72	14.0	0.0
100	QPSK	135	69	12.82	12.82	12.82	14.0	0.0
100	QPSK	135	138	12.78	12.78	12.78	14.0	0.0
100	QPSK	270	0	12.79	12.79	12.79	14.0	0.0
100	QPSK	1	1	12.80	12.80	12.80	14.0	0.0
100	QPSK	1	137	12.78	12.78	12.78	14.0	0.0
100	QPSK	1	271	12.81	12.81	12.81	14.0	0.0
100	QPSK	135	0	12.72	12.72	12.72	14.0	0.0
100	QPSK	135	69	12.69	12.69	12.69	14.0	0.0
100	QPSK	135	138	12.69	12.69	12.69	14.0	0.0
100	QPSK	270	0	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	1	12.68	12.68	12.68	14.0	0.0
100	QPSK	1	137	12.69	12.69	12.69	14.0	0.0
100	QPSK	1	271	12.70	12.70	12.70	14.0	0.0
100	QPSK	135	0	12.65	12.65	12.65	14.0	0.0
100	QPSK	135	69	12.63	12.63	12.63	14.0	0.0
100	QPSK	135	138	12.63	12.63	12.63	14.0	0.0
100	QPSK	270	0	12.64	12.64	12.64	14.0	0.0
100	QPSK	1	1	12.65	12.65	12.65	14.0	0.0
100	QPSK	1	137	12.63	12.63	12.63	14.0	0.0
100	QPSK	1	271	12.64	12.64	12.64	14.0	0.0
100	QPSK	135	0	12.60	12.60	12.60	14.0	0.0
100	QPSK	135	69	12.58	12.58	12.58	14.0	0.0
100	QPSK	135	138	12.58	12.58	12.58	14.0	0.0
100	QPSK	270	0	12.59	12.59	12.59	14.0	0.0
100	QPSK	1	1	12.60	12.60	12.60	14.0	0.0
100	QPSK	1	137	12.58	12.58	12.58	14.0	0.0
100	QPSK	1	271	12.60	12.60	12.60	14.0	0.0
100	QPSK	135	0	12.55	12.55	12.55	14.0	0.0
100	QPSK	135	69	12.53	12.53	12.53	14.0	0.0
100	QPSK	135	138	12.53	12.53	12.53	14.0	0.0
100	QPSK	270	0	12.54	12.54	12.54	14.0	0.0
100	QPSK	1	1	12.55	12.55	12.55	14.0	0.0
100	QPSK	1	137	12.53	12.53	12.53	14.0	0.0
100	QPSK	1	271	12.54	12.54	12.54	14.0	0.0
100	QPSK	135	0	12.50	12.50	12.50	14.0	0.0
100	QPSK	135	69	12.47	12.47	12.47	14.0	0.0
100	QPSK	135	138	12.47	12.47	12.47	14.0	0.0
100	QPSK	270	0	12.48	12.48	12.48	14.0	0.0
100	QPSK	1	1	12.49	12.49	12.49	14.0	0.0
100	QPSK	1	137	12.47	12.47	12.47	14.0	0.0
100	QPSK	1	271	12.48	12.48	12.48	14.0	0.0
100	QPSK	135	0	12.44	12.44	12.44	14.0	0.0
100	QPSK	135	69	12.42	12.42	12.42	14.0	0.0
100	QPSK	135	138	12.42	12.42	12.42	14.0	0.0
100	QPSK	270	0	12.43	12.43	12.43	14.0	0.0
100	QPSK	1	1	12.44	12.44	12.44	14.0	0.0
100	QPSK	1	137	12.42	12.42	12.42	14.0	0.0
100	QPSK	1	271	12.43	12.43	12.43	14.0	0.0
100	QPSK	135	0	12.39	12.39	12.39	14.0	0.0
100	QPSK	135	69	12.36	12.36	12.36	14.0	0.0
100	QPSK	135	138	12.36	12.36	12.36	14.0	0.0
100	QPSK	270	0	12.37	12.37	12.37	14.0	0.0
100	QPSK	1	1	12.38	12.38	12.38	14.0	0.0
100	QPSK	1	137	12.36	12.36	12.36	14.0	0.0
100	QPSK	1	271	12.37	12.37	12.37	14.0	0.0
100	QPSK	135	0	12.33	12.33	12.33	14.0	0.0
100	QPSK	135	69	12.31	12.31	12.31	14.0	0.0
100	QPSK	135	138	12.31	12.31	12.31	14.0	0.0
100	QPSK	270	0	12.32	12.32	12.32	14.0	0.0
100	QPSK	1	1	12.33	12.33	12.33	14.0	0.0
100	QPSK	1	137	12.31	12.31	12.31	14.0	0.0
100	QPSK	1	271	12.32	12.32	12.32	14.0	0.0
100	QPSK	135	0	12.28	12.28	12.28	14.0	0.0
100	QPSK	135	69	12.25	12.25	12.25	14.0	0.0
100	QPSK	135	138	12.25	12.25	12.25	14.0	0.0
100	QPSK	270	0	12.26	12.26	12.26	14.0	0.0
100	QPSK	1	1	12.27	12.27	12.27	14.0	0.0
100	QPSK	1	137	12.25	12.25	12.25	14.0	0.0
100	QPSK	1	271	12.26	12.26	12.26	14.0	0.0
100	QPSK	135	0	12.22	12.22	12.22	14.0	0.0
100	QPSK	135	69	12.19	12.19	12.19	14.0	0.0
100	QPSK	135	138	12.19	12.19	12.19	14.0	0.0
100	QPSK	270	0	12.20	12.20	12.20	14.0	0.0
100	QPSK	1	1	12.21	12.21	12.21	14.0	0.0
100	QPSK	1	137	12.19	12.19	12.19	14.0	0.0
100	QPSK	1	271	12.20	12.20	12.20	14.0	0.0
100	QPSK	135	0	12.16	12.16	12.16	14.0	0.0
100	QPSK	135	69	12.13	12.13	12.13	14.0	0.0
100	QPSK	135	138	12.13	12.13	12.13	14.0	0.0
100	QPSK	270	0	12.14	12.14	12.14	14.0	0.0
100	QPSK	1	1	12.15	12.15	12.15	14.0	0.0
100	QPSK	1	137	12.13	12.13	12.13	14.0	0.0
100	QPSK	1	271	12.14	12.14	12.14	14.0	0.0
100	QPSK	135	0	12.10	12.10	12.10	14.0	0.0
100	QPSK	135	69	12.07	12.07	12.07	14.0	0.0
100	QPSK	135	138	12.07	12.07	12.07	14.0	0.0
100	QPSK	270	0	12.08	12.08	12.08	14.0	0.0
100	QPSK	1	1	12.09	12.09	12.09	14.0	0.0
100	QPSK	1	137	12.07	12.07	12.07	14.0	0.0
100	QPSK	1	271	12.08	12.08	12.08	14.0	0.0
100	QPSK	135	0	12.04	12.04	12.04	14.0	0.0
100	QPSK	135	69	12.01	12.01	12.01	14.0	0.0
100	QPSK	135	138	12.01	12.01	12.01	14.0	0.0
100	QPSK	270	0	12.02	12.02	12.02	14.0	0.0
100	QPSK	1	1	12.03	12.03	12.03	14.0	0.0
100	QPSK	1	137	12.01	12.01	12.01	14.0	0.0
100	QPSK	1	271	12.02	12.02	12.02	14.0	0.0
100	QPSK	135	0	11.98	11.98	11.98	14.0	0.0
100	QPSK	135	69	11.95	11.95	11.95	14.0	0.0
100	QPSK	135	138	11.95	11.95	11.95	14.0	0.0
100	QPSK	270	0	11.96	11.96	11.96	14.0	0.0
100	QPSK	1	1	11.97	11.97	11.97	14.0	0.0
100	QPSK	1	137	11.95	11.95	11.95	14.0	0.0
100	QPSK	1	271	11.96	11.96	11.96	14.0	0.0
100	QPSK	135	0	11.92	11.92	11.92	14.0	0.0
100	QPSK	135	69	11.89	11.89	11.89	14.0	0.0
100	QPSK	135	138	11.89	11.89	11.89	14.0	0.0
100	QPSK	270	0	11.90	11.90	11.90	14.0	0.0
100	QPSK	1	1	11.91	11.91	11.91	14.0	0.0
100	QPSK	1	137	11.89	11.89	11.89	14.0	0.0
100	QPSK	1	271	11.90	11.90	11.90	14.0	0.0
100	QPSK	135	0	11.86	11.86	11.86	14.	



Reduced Power Mode for Handheld on_5G NR

n5_Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.66	21.71	21.63	22.5	0.0	
20	PI/2 BPSK	1	53	21.50	21.51	21.44			
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	22.5	0.0	
20	PI/2 BPSK	100	0	21.43	21.50	21.44			
20	QPSK	1	1	21.67	21.62	21.60	22.5	0.0	
20	QPSK	1	53	21.54	21.56	21.47			
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	22.5	0.0	
20	QPSK	100	0	21.48	21.53	21.44			
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									
Frequency (MHz)									
15	PI/2 BPSK	1	1	21.68	21.70	21.59	24.0	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	21.55	21.65	21.62	24.0	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	21.62	21.63	21.60	24.0	0.0	



n77_Ant5

n77_Ant5

Par27Q									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)									
Frequency (MHz)									
100	Pi2 BPSK	1	1	18.64			20.0	0.0	
100	Pi2 BPSK	1	137	18.43					
100	Pi2 BPSK	1	271	18.24					
100	Pi2 BPSK	1	35	18.48			20.0	0.0	
100	Pi2 BPSK	135	69	18.61			20.0	0.0	
100	Pi2 BPSK	135	138	18.50			20.0	0.0	
100	Pi2 BPSK	270	0	18.60					
100	QPSK	1	1	18.41			20.0	0.0	
100	QPSK	1	137	18.48					
100	QPSK	1	271	18.63					
100	QPSK	1	35	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	64QAM	1	1	18.50			20.0	0.0	
100	256QAM	1	1	18.59			19.5	0.5	
Frequency (MHz)									
Frequency (MHz)									
80	Pi2 BPSK	1	1	18.39	18.15	18.35	20.0	0.0	
Channel Frequency (MHz)									
Frequency (MHz)									
60	Pi2 BPSK	1	1	18.55	18.55	18.55	20.0	0.0	
60	Pi2 BPSK	1	137	18.55	18.55	18.55			
60	Pi2 BPSK	1	271	18.55	18.55	18.55			
60	Pi2 BPSK	1	35	18.55	18.55	18.55			
60	Pi2 BPSK	135	69	18.55	18.55	18.55			
60	Pi2 BPSK	135	138	18.55	18.55	18.55			
60	Pi2 BPSK	270	0	18.55	18.55	18.55			
60	QPSK	1	1	18.50	18.50	18.50	20.0	0.0	
60	QPSK	1	137	18.50	18.50	18.50			
60	QPSK	1	271	18.50	18.50	18.50			
60	QPSK	1	35	18.50	18.50	18.50			
60	QPSK	135	69	18.50	18.50	18.50			
60	QPSK	135	138	18.50	18.50	18.50			
60	QPSK	270	0	18.50	18.50	18.50			
60	16QAM	1	1	18.50	18.50	18.50	20.0	0.0	
60	64QAM	1	1	18.50	18.50	18.50	20.0	0.0	
60	256QAM	1	1	18.50	18.50	18.50	19.5	0.5	
Frequency (MHz)									
Frequency (MHz)									
30	Pi2 BPSK	1	1	18.55	18.62	18.62	20.0	0.0	

n78_Ant5

Parrot									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.		Power High Ch./Freq.		Tune-up limit (dBm)	MPR (dB)
				Channel	Frequency (MHz)	Ch.	Freq.		
100	P2/P5PK	1	1		16.91			20.0	0.0
100	P2/P5PK	1	137		16.84			20.0	0.0
100	P2/P5PK	1	271		16.85			20.0	0.0
100	P2/P5PK	135	1		16.85			20.0	0.0
100	P2/P5PK	135	69		16.65			20.0	0.0
100	P2/P5PK	135	138		16.83			20.0	0.0
100	P2/P5PK	270	0		16.89			20.0	0.0
100	QPSK	1	1		16.82			20.0	0.0
100	QPSK	1	137		16.89			20.0	0.0
100	QPSK	1	271		16.81			20.0	0.0
100	QPSK	135	0		16.78			20.0	0.0
100	QPSK	135	69		16.78			20.0	0.0
100	QPSK	135	138		16.73			20.0	0.0
100	QPSK	270	0		16.75			20.0	0.0
100	16QAM	1	1		16.57			20.0	0.0
100	64QAM	1	1		16.73			20.0	0.0
100	256QAM	1	1		17.76			19.5	0.5
Channel									
90	P2/P5PK	1	1	64/668	650000	650322	651189	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3745.02	3790	3734.98	(dBm)	(dBm)
90	P2/P5PK	1	1	16.38	16.39	18.38	18.38	20.0	0.0
				Channel	64/634	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	P2/P5PK	1	1	3740.01	3750	3759.99	3769.98	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	64/668	650000	651666	Tune-up limit (dBm)	MPR (dB)
70	P2/P5PK	1	1	16.39	16.43	16.45	20.0	0.0	MPR (dB)
				Channel	64/668	650000	651332	Tune-up limit (dBm)	MPR (dB)
60	P2/P5PK	1	1	3730.02	3750	3769.98	3769.98	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	64/634	650000	651666	Tune-up limit (dBm)	MPR (dB)
50	P2/P5PK	1	1	3725.01	3750	3774.99	3774.99	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	64/668	650000	652322	Tune-up limit (dBm)	MPR (dB)
40	P2/P5PK	1	1	18.62	18.66	18.90	20.0	0.0	MPR (dB)
				Channel	64/668	650000	652322	Tune-up limit (MPR (dB))	MPR (dB)
30	P2/P5PK	1	1	18.76	18.79	18.80	20.0	0.0	MPR (dB)
				Frequency (MHz)	64/668	650000	653222	Tune-up limit (dBm)	MPR (dB)
20	P2/P5PK	1	1	18.76	18.78	18.65	20.0	0.0	MPR (dB)
				Frequency (MHz)	64/668	650000	653222	Tune-up limit (dBm)	MPR (dB)



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 MPR (dB)	
Channel								
900	Pi2 BPSK	1	1	18.57	18.75	18.75	20.0 0.0	
100	Pi2 BPSK	1	137	18.75	18.75	18.75	20.0 0.0	
100	Pi2 BPSK	1	271	18.83	18.83	18.83	20.0 0.0	
100	Pi2 BPSK	135	0	18.71	18.71	18.71	20.0 0.0	
100	Pi2 BPSK	135	69	18.80	18.80	18.80	20.0 0.0	
100	Pi2 BPSK	135	138	18.74	18.74	18.74	20.0 0.0	
100	Pi2 BPSK	270	0	18.78	18.78	18.78	20.0 0.0	
100	QPSK	1	1	18.74	18.81	18.81	20.0 0.0	
100	QPSK	1	137	18.81	18.81	18.81	20.0 0.0	
100	QPSK	1	271	18.79	18.79	18.79	20.0 0.0	
100	QPSK	135	0	18.76	18.76	18.76	20.0 0.0	
100	QPSK	135	69	18.74	18.74	18.74	20.0 0.0	
100	QPSK	135	138	18.76	18.76	18.76	20.0 0.0	
100	QPSK	270	0	18.71	18.71	18.71	20.0 0.0	
100	64QAM	1	1	18.57	18.57	18.57	20.0 0.0	
100	64QAM	1	1	18.81	18.81	18.81	20.0 0.0	
100	256QAM	1	1	18.05	18.05	18.05	19.5 0.5	
Channel								
900		633000	633332	633666	633666	633666	Tune-up limit MPR (dB)	
900		3495	3499.98	3504.99	3504.99	3504.99	(dBm) (dBm) (dBm)	
90	Pi2 BPSK	1	1	18.31	18.4	18.32	20.0 0.0	
90	Channel							
90	631668	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
90	Frequency [MHz]	3490.02	3499.98	3501.0	3501.0	3501.0	(dBm) (dBm) (dBm)	
80	Pi2 BPSK	1	1	18.36	18.37	18.38	20.0 0.0	
80	Channel							
80	632334	633332	634332	634332	634332	634332	Tune-up limit MPR (dB)	
80	Frequency [MHz]	3485.01	3499.98	3514.98	3514.98	3514.98	(dBm) (dBm) (dBm)	
70	Pi2 BPSK	1	1	18.36	18.43	18.43	20.0 0.0	
70	Channel							
70	631000	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
70	Frequency [MHz]	3480	3499.98	3519.99	3519.99	3519.99	(dBm) (dBm) (dBm)	
60	Pi2 BPSK	1	1	18.51	18.57	18.59	20.0 0.0	
60	Channel							
60	631668	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
60	Frequency [MHz]	3475.02	3499.98	3525	3525	3525	(dBm) (dBm) (dBm)	
50	Pi2 BPSK	1	1	18.51	18.55	18.59	20.0 0.0	
50	Channel							
50	631000	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
50	Frequency [MHz]	3470.01	3499.98	3529.98	3529.98	3529.98	(dBm) (dBm) (dBm)	
40	Pi2 BPSK	1	1	18.72	18.75	18.78	20.0 0.0	
40	Channel							
40	631000	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
40	Frequency [MHz]	3465	3499.98	3534.99	3534.99	3534.99	(dBm) (dBm) (dBm)	
30	Pi2 BPSK	1	1	18.66	18.75	18.75	20.0 0.0	
30	Channel							
30	631668	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
30	Frequency [MHz]	3460.02	3499.98	3545	3545	3545	(dBm) (dBm) (dBm)	
20	Pi2 BPSK	1	1	18.67	18.72	18.69	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 MPR (dB)	
Channel								
100	Pi2 BPSK	1	1	18.81	18.84	18.84	20.0 0.0	
100	Pi2 BPSK	1	137	18.75	18.85	18.85	20.0 0.0	
100	Pi2 BPSK	1	271	18.83	18.86	18.86	20.0 0.0	
100	Pi2 BPSK	135	0	18.85	18.85	18.85	20.0 0.0	
100	Pi2 BPSK	135	69	18.83	18.83	18.83	20.0 0.0	
100	Pi2 BPSK	135	138	18.83	18.83	18.83	20.0 0.0	
100	Pi2 BPSK	270	1	18.82	18.89	18.89	20.0 0.0	
100	QPSK	1	137	18.89	18.89	18.89	20.0 0.0	
100	QPSK	1	271	18.81	18.78	18.78	20.0 0.0	
100	QPSK	135	0	18.78	18.78	18.78	20.0 0.0	
100	QPSK	135	69	18.78	18.78	18.78	20.0 0.0	
100	QPSK	135	138	18.78	18.78	18.78	20.0 0.0	
100	QPSK	270	0	18.72	18.72	18.72	20.0 0.0	
100	64QAM	1	1	18.57	18.57	18.57	20.0 0.0	
100	64QAM	1	1	18.81	18.81	18.81	20.0 0.0	
100	256QAM	1	1	18.05	18.05	18.05	19.5 0.5	
Channel								
900		633000	633332	633666	633666	633666	Tune-up limit MPR (dB)	
900		3750	3750	3750	3750	3750	(dBm) (dBm) (dBm)	
90	Pi2 BPSK	1	1	18.31	18.39	18.32	20.0 0.0	
90	Channel							
90	631668	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
90	Frequency [MHz]	3745.02	3750	3750	3750	3750	(dBm) (dBm) (dBm)	
80	Pi2 BPSK	1	1	18.35	18.41	18.39	20.0 0.0	
80	Channel							
80	649000	650000	651000	651000	651000	651000	Tune-up limit MPR (dB)	
80	Frequency [MHz]	3735	3750	3750	3750	3750	(dBm) (dBm) (dBm)	
70	Pi2 BPSK	1	1	18.31	18.43	18.43	20.0 0.0	
70	Channel							
70	631668	633332	635000	635000	635000	635000	Tune-up limit MPR (dB)	
70	Frequency [MHz]	3720.02	3750	3750	3750	3750	(dBm) (dBm) (dBm)	
60	Pi2 BPSK	1	1	18.45	18.53	18.45	20.0 0.0	
60	Channel							
60	648334	650000	651666	651666	651666	651666	Tune-up limit MPR (dB)	
60	Frequency [MHz]	3725.01	3750	3750	3774.99	3774.99	(dBm) (dBm) (dBm)	
50	Pi2 BPSK	1	1	18.55	18.58	18.55	20.0 0.0	
50	Channel							
50	648000	650000	652332	652332	652332	652332	Tune-up limit MPR (dB)	
50	Frequency [MHz]	3720	3750	3750	3750	3750	(dBm) (dBm) (dBm)	
40	Pi2 BPSK	1	1	18.82	18.86	18.90	20.0 0.0	
40	Channel							
40	647668	650000	652332	652332	652332	652332	Tune-up limit MPR (dB)	
40	Frequency [MHz]	3715.02	3750	3750	3784.98	3784.98	(dBm) (dBm) (dBm)	
30	Pi2 BPSK	1	1	18.76	18.79	18.89	20.0 0.0	
30	Channel							
30	647254	650000	652066	652066	652066	652066	Tune-up limit MPR (dB)	
30	Frequency [MHz]	3710.01	3750	3750	3793.99	3793.99	(dBm) (dBm) (dBm)	
20	Pi2 BPSK	1	1	18.76	18.78	18.82	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 MPR (dB)
Channel							
100	Pi2 BPSK	1	1	18.81	18.87	18.87	20.0 0.0
100	Pi2 BPSK	1	137	18.75	18.81	18.81	20.0 0.0
100	Pi2 BPSK	1	271	18.83	18.87	18.87	20.0 0.0
100	Pi2 BPSK	135	0	18.85	18.85	18.85	20.0 0.0
100	Pi2 BPSK	135	69	18.88	18.88	18.88	20.0 0.0
100	Pi2 BPSK	135	138	18.83	18.83	18.83	20.0 0.0
100	Pi2 BPSK	270	0	18.72	18.72	18.72	20.0 0.0
100	QPSK	1	1	18.74	18.81	18.81	20.0 0.0
100	QPSK	1	137	18.81	18.81	18.81	20.0 0.0
100	QPSK	1	271	18.79	18.79	18.79	20.0 0.0
100	QPSK	135	0	18.78	18.78	18.78	20.0 0.0
100	QPSK	135	69	18.78	18.78	18.78	20.0 0.0
100	QPSK	135	138	18.78	18.78	18.78	20.0 0.0
100	QPSK	270	1	18.82	18.87	18.87	20.0 0.0
100	64QAM	1	1	18.74	18.81	18.81	20.0 0.0
100	64QAM	1	1	18.81	18.81	18.81	20.0 0.0
100	256QAM	1	1	18.05	18.05	18.05	19.5 0.5
Channel							
900		633000	633332	633666	633666	633666	Tune-up limit MPR (dB)
900		3495	3499.98	3504.9			



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Bluetooth/WLAN Power

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm) Packet Type								Tune-up Limit
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	
Bluetooth	CH 0	2402	10.60	10.70	10.80	8.40	8.50	8.60	8.50	8.40	8.60
	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		• 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 Helped) 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	18.00	Not Required	13.00	Not Required	13.00	Not Required	16.20	18.50	16.00	18.50	98.12	
	6	2437	16.90	18.50		16.50		12.00	18.00		13.00		13.00		16.90	18.50	16.00	18.50		
	11	2462	13.80	15.50		15.50		12.00	15.50		13.00		13.00		13.80	15.50				
802.11n-HT40 MCS0	3	2422	13.00	14.50	Not Required	14.50	Not Required	12.00	14.50	Not Required	13.00	Not Required	13.00	Not Required	14.50	14.50	16.00	18.50	94.82	
	6	2437	15.00	16.50		16.50		12.00	16.50		13.00		13.00		15.00	16.50				
	9	2452	13.00	14.50		14.50		12.00	14.50		13.00		13.00		13.00	14.50				



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5.2GHz WLAN ANT 6			• Default Power Table, Standalone WLAN		• At-Head Power Table, Standalone WLAN		• At-Head Power Table, Simultaneous WLAN+WWAN		• Body-Worm Power Table, Standalone WLAN		• Body-Worm 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	Not Required	17.25	19.00	97.97	
	40	5200	17.30	19.00	17.30	19.00		14.50		15.50		11.50		11.50		17.30	19.00		
	44	5220	16.83	18.50	16.83	18.50		14.50		15.50		11.50		11.50		16.83	18.50		
	48	5240	16.87	18.50	16.87	18.50		14.50		15.50		11.50		11.50		16.87	18.50		
802.11n-HT20 MCS0	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	Not Required	17.16	19.00	97.78	
	40	5200	17.20	19.00	17.20	19.00		14.50		15.50		11.50		11.50		17.20	19.00		
	44	5220	16.81	18.50	16.81	18.50		14.50		15.50		11.50		11.50		16.81	18.50		
	48	5240	16.61	18.50	16.61	18.50		14.50		15.50		11.50		11.50		16.61	18.50		
802.11n-HT40 MCS0	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	Not Required	16.51	18.00	96.40	
	46	5230	16.25	18.00	16.25	18.00		14.50		15.50		11.50		11.50		16.25	18.00		
802.11ac-VHT20 MCS0	36	5180	16.74	18.50	16.74	18.50	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	Not Required	16.74	18.50	93.50	
	40	5200	16.76	18.50	16.76	18.50		14.50		15.50		11.50		11.50		16.76	18.50		
	44	5220	16.56	18.50	16.56	18.50		14.50		15.50		11.50		11.50		16.56	18.50		
	48	5240	16.51	18.50	16.51	18.50		14.50		15.50		11.50		11.50		16.51	18.50		
802.11ac-VHT40 MCS0	38	5190	16.49	18.00	16.49	18.00	Not Required	14.50	Not Required	15.50	Not Required	11.50	Not Required	11.50	Not Required	16.49	18.00	86.83	
	46	5230	16.23	18.00	16.23	18.00		14.50		15.50		11.50		11.50		16.23	18.00		
802.11ac-VHT80 MCS0	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		• Default Power Table, Simultaneous WLAN+WWAN	
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	Duty Cycle %	
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	Not Required	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 MCS0	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	Not Required	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 MCS0	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	Not Required	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 MCS0	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	Not Required	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-VHT40 MCS0	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	
	60	5300	13.67	15.50	13.67	15.50		14.50		15.50		10.50	13.67	15.50		15.50		
	64	5320	13.67	15.50	13.67	15.50		14.50		15.50		10.50	13.67	15.50		15.50		
	54	5270	13.67	15.50	13.67	15.50		14.50		15.50		10.50	13.67	15.50		15.50		

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	Duty Cycle %
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	97.97	
	116	5580	16.36	18.00	16.36	18.00		13.00		13.50		8.00	16.36	18.00			
	132	5660	17.21	19.00	17.21	19.00		13.00		13.50		8.00	17.21	19.00			
	140	5700	17.44	19.00	17.44	19.00		13.00		13.50		8.00	17.44	19.00			
802.11n-HT20 MCS0	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	97.78	
	116	5580	16.25	18.00	16.25	18.00		13.00		13.50		8.00	16.25	18.00			
	132	5660	16.44	18.00	16.44	18.00		13.00		13.50		8.00	16.44	18.00			
	140	5700	17.25	19.00	17.25	19.00		13.00		13.50		8.00	17.25	19.00			
802.11n-HT40 MCS0	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	96.40	
	110	5550	15.77	17.50	15.77	17.50		13.00		13.50		8.00	15.77	17.50			
	134	5670	16.27	17.50	16.27	17.50		13.00		13.50		8.00	16.27	17.50			
	100	5500	16.20	17.50	16.20	17.50		13.00		13.50		8.00	16.20	17.50			
802.11ac-VHT20 MCS0	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	93.50	
	132	5660	16.30	18.00	16.30	18.00		13.00		13.50		8.00	16.30	18.00			
	140	5700	16.75	18.00	16.75	18.00		13.00		13.50		8.00	16.75	18.00			
	102	5510	16.07	17.50	16.07	17.50		13.00		13.50		8.00	16.07	17.50			
802.11ac-VHT40 MCS0	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	86.83	
	134	5670	16.22	17.50	16.22	17.50		13.00		13.50		8.00	16.22	17.50			
	106	5530	11.89	13.50	11.89	13.50		13.00		11.89		8.00	11.89	13.50			
	106	5530	11.89	13.50	11.89	13.50		13.00		11.89		6.22	10.57	12.00			

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	Duty Cycle %
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	Not Required	17.34	19.00	97.97	
	157	5785	17.02	19.00	17.02	19.00		16.00		16.00		10.00		10.00		17.02	19.00		
	165	5825	16.84	18.50	16.84	18.50		16.00		16.00		10.00		10.00		16.84	18.50		
	149	5745	17.22	19.00	17.22	19.00		16.00		16.00		10.00		10.00		17.22	19.00		
	157	5785	16.92	18.50	16.92	18.50		16.00		16.00		10.00		10.00		16.92	18.50		
	165	5825	16.73	18.50	16.73	18.50		16.00		16.00		10.00		10.00		16.73	18.50		
	151	5755	16.33	18.00	16.33	18.00		16.00		16.00		10.00		10.00		16.33	18.00		
	159	5795	16.10	18.00	16.10	18.00		16.00		16.00		10.00		10.00		16.10	18.00		
	149	5745	16.62	18.50	16.62	18.50		16.00		16.00		10.00		10.00		16.62	18.50		
802.11n-HT20 MCS0	157	5785	16.12	18.00	16.12	18.00	Not Required	16.00	Not Required	16.00	Not Required	10.00	Not Required	10.00	Not Required	16.12	18.00	93.50	
	165	5825	16.01	18.00	16.01	18.00		16.00		16.00		10.00		10.00		16.01	18.00		
	151	5755	16.26	18.00	16.26	18.00		16.00		16.00		10.00		10.00		16.26	18.00		
	159	5795	16.01	18.00	16.01	18.00		16.00		16.00		10.00		10.00		16.01	18.00		
802.11ac-VHT20 MCS0	155	5775	14.80	16.50	14.80	16.50	Not Required	14.35	Not Required	16.00	Not Required	8.41	Not Required	10.00	Not Required	14.80	16.50	86.83	
	157	5785	14.60	16.50	14.60	16.50		14.35		16.00		8.41		10.00		14.60	16.50		
	165	5825	14.40	16.50	14.40	16.50		14.35		16.00		8.41		10.00		14.40	16.50		
802.11ac-VHT40 MCS0	151	5755	16.26	18.00	16.26	18.00	Not Required	16.00	Not Required	16.00	Not Required	10.00	Not Required	10.00	Not Required	16.26	18.00	86.83	
	159	5795	16.01	18.00	16.01	18.00		16.00		16.00		10.00		10.00		16.01	18.00		
802.11ac-VHT80 MCS0	155	5775	14.80	16.50	14.80	16.50	Not Required	14.35	Not Required	16.00	Not Required	8.41	Not Required	10.00	Not Required	14.80	16.50	95.78	
	157	5785	14.60	16.50	14.60	16.50		14.35		16.00		8.41		10.00		14.60	16.50		