

7185 Oakland Mills Road, Columbia, MD 21046 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.pctest.com



NEAR-FIELD POWER DENSITY EVALUATION REPORT

Applicant Name:

Samsung Electronics Co., Ltd. 129, Samsung-ro, Maetan dong, Yeongtong-gu, Suwon-si Gyeonggi-do, 16677, Korea

Date of Testing: 03/12/19 – 04/17/19 Test Site/Location: PCTEST Lab, Columbia, MD, USA Document Serial No.: 1M1903060032-20.A3L

FCC ID:

A3LSMG977T

APPLICANT:

SAMSUNG ELECTRONICS CO., LTD

DUT Type: Application Type: FCC Rule Part(s): Model: Portable Handset Certification CFR §2.1093 SM-G977T, SM-G977P

Band & Mode	Tx Frequency	Power Density
	(MHz)	mW/cm ²
5G NR - n261	27500 - 28350	0.49
5G NR - n260	37000 - 40000	0.39
Total	0.99	
	PASS	

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

Randy Ortanez President



	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager	
	Document S/N:	Test Dates:	DUT Type:	Page 1 of 24	
	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	Ū	
C	2019 PCTEST Engineering Laboratory, Inc.			R	EV 1.0

REV 1.0 03/26/2019

TABLE OF CONTENTS

1 D E	EVICE UNDER TEST	3
1.1	Device Overview	3
1.2	Maximum Output Power Specifications	3
1.3	Input Power Specifications	3
1.4	DUT Antenna Locations	5
1.5	Simultaneous Transmission Capabilities	6
1.6	Guidance Applied	6
2 M	EASUREMENT SYSTEM	7
2.1	Measurement Setup	7
2.2	SPEAG EUmmWV3 Probe / E-Field 5G Probe	7
2.3	Power Density Assessment Based on E-field Measurements	8
2.4	Reconstruction Algorithm	8
3 RF	F EXPOSURE LIMITS FOR POWER DENSITY	9
3.1	Uncontrolled Environment	9
3.2	Controlled Environment	9
3.3	RF Exposure Limits for Frequencies Above 6 GHz	9
4 SY	YSTEM VERIFICATION	10
4.1	Test System Verification	10
5 PC	OWER DENSITY DATA	12
5.1	Power Density Results	12
5.2	Power Density Test Notes	20
6 EC	QUIPMENT LIST	21
7 M	EASUREMENT UNCERTAINTIES	22
8 C	ONCLUSION	23
8.1	Measurement Conclusion	23
9 R E	EFERENCES	24

APPENDIX A: POWER DENSITY TEST PLOTS

APPENDIX B: SYSTEM VERIFICATION PLOTS

APPENDIX C: PROBE AND VERIFICATION SOURCE CALIBRATION CERTIFICATES

APPENDIX D: TOTAL EXPOSURE RATIO

APPENDIX E: DUT ANTENNA DIAGRAM AND TEST SETUP PHOTOGRAPHS

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager	
	Document S/N:	Test Dates:	DUT Type:	Page 2 of 24	
	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset		
C	2019 PCTEST Engineering Laboratory, Inc.			RE	V 1.0

REV 1.0 03/26/2019

DEVICE UNDER TEST 1

1.1 **Device Overview**

NR FR2 Operation Information						
Form Factor			Portabl	e Handset		
Channel Bandwidths per NR Band			NR Band n261	: 50MHz, 100MHz		
			NR Band n260	: 50MHz, 100MHz		
Channel Numbers and Frequencies	Low Mid High				High	
	Channel	Frequency (GHz)	Channel	Frequency (GHz)	Channel	Frequency (GHz)
NR Band n261: 50MHz BW	2071413	27.53484	2077891	27.92352	2084491	28.31952
NR Band n261: 100MHz BW	2071821	27.55932	2077891	27.92352	2084035	28.29216
NR Band n260: 50MHz BW	2229621	37.02732	2254147	38.49888	2278603	39.96624
NR Band n260: 100MHz BW	2230029	37.05180	2254147	38.49888	2278331	39.94992
Subcarrier Spacing (kHz)				120		
Total Number of Supported Uplink CCs (SISO)			U	L: 4		
Total Number of Supported Uplink CCs (MIMO)	UL: 2					
Modulations Supported in UL	CP-OFDM-QPSK, CP-OFDM-16QAM, CP-OFDM-64QAM					
LTE Anchor Bands			LTE B	and 66/2		

1.2 **Maximum Output Power Specifications**

5G NR operations for this device are evaluated at the EIRP levels shown in the FCC Part 30 mmWave test report SN: 1M1903060032-05.A3L.

Input Power Specifications 1.3

All power density measurements were performed at these corresponding input power levels. Input power is per antenna element and polarization.

5G NR n261 1CC Input Powers					
			Input Power (in	Input Power (in	
Mode/Band	Antenna	#CC	dBm)	dBm)	
			SISO	MIMO	
	J Dipole	1CC	6.5	4.5	
5G NR n261	J Patch	1CC	6.5	4.5	
50 NR 11201	K Patch	1CC	8.0	6.0	
	L Patch	1CC	8.0	6.0	

Table 1-1

Table 1-2 5G NR n261 2CC Input Powers

JG NK 1201 200 input Fowers					
Mode/Band	Antenna	#CC	Input Power (in dBm) SISO	Input Power (in dBm) MIMO	
	J Dipole	2CC	3.5	1.5	
5G NR n261	J Patch	2CC	3.5	1.5	
50 NK 11201	K Patch	2CC	5.0	3.0	
	L Patch	2CC	5.0	3.0	

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager	
	Document S/N:	Test Dates:	DUT Type:	Page 3 of 24	
		03/12/2019 - 04/17/2019	Portable Handset		
C	2019 PCTEST Engineering Laboratory, Inc.			í	REV 1.0

© 2019 PCTEST Engineering Laboratory, Inc.

JG NR 1261 4CC input Powers						
Mode/Band	Antenna	#CC	Input Power (in dBm) SISO			
	J Dipole	4CC	0.5			
5G NR n261	J Patch	4CC	0.5			
30 NK 11201	K Patch	4CC	2.0			
	L Patch	4CC	2.0			

Table 1-3 5G NR n261 4CC Input Powers

Table 1-4 5G NR n260 1CC Input Powers

			Input Power (in	Input Power (in
Mode/Band	Antenna	#CC	dBm)	dBm)
			SISO	MIMO
	J Dipole	1CC	6.5	6.5
5G NR n260	J Patch	1CC	6.5	6.5
50 108 11200	K Patch	1CC	6.5	6.5
	L Patch	1CC	6.5	6.5

Table 1-5 5G NR n260 2CC Input Powers

			Input Power (in	Input Power (in	
Mode/Band	Antenna	#CC	dBm)	dBm)	
			SISO	MIMO	
	J Dipole	2CC	3.5	3.5	
5G NR n260	J Patch	2CC	3.5	3.5	
SG INK IIZOU	K Patch	2CC	3.5	3.5	
	L Patch	2CC	3.5	3.5	

Table 1-6 5G NR n260 4CC Input Powers

Mode/Band	Antenna	#CC	Input Power (in dBm) SISO
	J Dipole	4CC	0.5
5G NR n260	J Patch	4CC	0.5
50 NK 11200	K Patch	4CC	0.5
	L Patch	4CC	0.5

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager			
Document S/N:	Test Dates:	DUT Type:	Page 4 of 24			
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	1 dgo 1 01 2 1			
2019 PCTEST Engineering Laboratory, Inc. 2019 PCTEST Engineering Laboratory inc. All rights reserved libes otherwise specified no part of this report may be reproduced or utilized in any part form or by any means electronic or mechanical						

1.4 DUT Antenna Locations

The device has 3 patch antenna arrays (J Patch, K Patch, L Patch) and 1 dipole antenna array (J Dipole). Particular DUT edges were not required to be evaluated for power density if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III and FCC KDB Publication 648474 D04v01r03. The distances between the transmit antennas and the edges of the device are included in the filing.

Device Edges/Sides for PD Testing							
Band & Mode	Antenna	Back	Front	Тор	Bottom	Right	Left
	J Patch	Yes	Yes	Yes	No	Yes	Yes
5G NR Band n261	K Patch	Yes	Yes	Yes	No	Yes	Yes
5G NK Banu 1201	L Patch	Yes	Yes	No	Yes	Yes	Yes
	J Dipole	Yes	Yes	Yes	No	Yes	Yes
	J Patch	Yes	Yes	Yes	No	Yes	Yes
5G NR Band n260	K Patch	Yes	Yes	Yes	No	Yes	Yes
SG INK BAHU H200	L Patch	Yes	Yes	No	Yes	Yes	Yes
	J Dipole	Yes	Yes	Yes	No	Yes	Yes

 Table 1-7

 Device Edges/Sides for PD Testing

		NEAR-FIELD POWER DENSITY	CAMPUNIC	Approved by:
FCC ID: A3LSMG977T		EVALUATION REPORT	SAMSUNG	Quality Manager
Document S/N:	Test Dates:	DUT Type:		Page 5 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset		. ago o o. <u>-</u> .
© 2019 PCTEST Engineering Laboratory, Inc.				REV 1.

REV 1.0 03/26/2019

1.5 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06 4.3.2 procedures.

Simultaneous Transmission Scenarios with NR						
No.	Capable Transmit Configuration	Head	Body-Worn	Wireless	Phablet	Notes
			Accessory	Router		
1	LTE + 5G NR	Yes	Yes	N/A	Yes	
2	LTE + 2.4 GHz WI-FI + 5G NR	Yes	Yes	Yes	Yes	
3	LTE + 5 GHz WI-FI + 5G NR	Yes^	Yes	Yes	Yes	^ Bluetooth Tethering is considered
4	LTE + 2.4 GHz Bluetooth + 5G NR	Yes^	Yes	Yes^	Yes	^Bluetooth Tethering is considered
5	LTE + 2.4 GHz Bluetooth + 5 GHz WI-FI + 5G NR	Yes^	Yes	Yes^	Yes	^Bluetooth Tethering is considered
6	LTE + 2.4 GHz WI-FI MIMO + 5G NR	Yes	Yes	Yes	Yes	
7	LTE + 5 GHz WI-FI MIMO + 5G NR	Yes^	Yes	Yes^	Yes	^ Bluetooth Tethering is considered
8	LTE + 2.4 GHz WI-FI + 5 GHz WI-FI + 5G NR	Yes	Yes	Yes	Yes	
9	LTE + 2.4 GHz WI-FI MIMO + 5 GHz WI-FI MIMO + 5G NR	Yes	Yes	Yes	Yes	
10	LTE + 2.4 GHz Bluetooth + 5 GHz WI-FI MIMO + 5G NR	Yes^	Yes	Yes^	Yes	^ Bluetooth Tethering is considered

·	Table 1-	B		
Simultaneous Trans	smissio	n Scena	rios with	NR

NOTE:

- 1. 5G NR Operations are limited to Non-Standalone (EN-DC) operations only.
- 2. NR antenna arrays cannot transmit simultaneously.
- 3. Simultaneous 5G NR FR2 + LTE operations are possible only with LTE B66 and B2.
- 4. 2.4 GHz WLAN, and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously themselves.
- 5. All non-5G NR licensed modes share the same antenna path and cannot transmit simultaneously.
- 6. 5G NR bands cannot transmit simultaneously.

1.6 Guidance Applied

- November 2017 & October 2018 TCBC Workshop Notes
- SPEAG DASY6 System Handbook (February 2019)
- IEC TR 63170:2018
- FCC KDB 865664 D02 v01r04
- FCC KDB 447498 D01 v02r01

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 6 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	r ugo o or 2 r
© 2019 PCTEST Engineering Laboratory, Inc.			REV 1. 03/26/201

2 MEASUREMENT SYSTEM

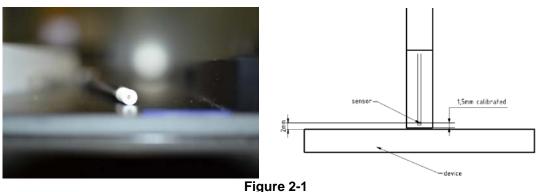
2.1 Measurement Setup

Power Density measurements for mmWave frequencies were performed using the DASY6 with cDASY6 5G module. The DASY6 is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland and consists of a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the 5G phantom. The robot is a six-axis industrial robot, performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF).

2.2 SPEAG EUmmWV3 Probe / E-Field 5G Probe

The EUmmWV3 probe consists of two dipoles optimally arranged to obtain pseudo-vector information.

Frequency Range	750 MHz – 110 GHz
Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m – 3,000 V/m)
Position Precision	< 0.2 mm (cDASY6)
Dimensions	Probe Overall Length: 320 mm Probe Body Diameter: 8 mm Probe Tip Length: 23 mm Probe Tip Diameter: Encapsulation 8 mm Distance from Probe Tip to Sensor X Calibration Point: 1.5 mm Distance from Probe Tip to Sensor Y Calibration Point: 1.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10 GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction
Compatibility	cDASY6 + 5G-Module SW1.6.2.3



EUmmWV3 Probe

	FCC ID: A3LSMG977T	PCTEST	NEAR-FIELD POWER DENSITY	Approved by:	
		ENGINEERING LABORATORY, INC.	EVALUATION REPORT	Quality Manager	
	Document S/N:	Test Dates:	DUT Type:	Page 7 of 24	
	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset		
C	2019 PCTEST Engineering Laboratory, Inc.			RE\	V 1.0

REV 1.0 03/26/2019

2.3 Power Density Assessment Based on E-field Measurements

Within a short distance from the transmitting source, power density was determined based on both electric and magnetic fields. Generally, the magnitude and phase of two components of either the E-field or H-field were needed on a sufficiently large surface to fully characterize the total E-field and H-field distributions. Nevertheless, solutions based on direct measurement of E-field and H-field can be used to compute power density. The general measurement approach used for this device was:

- a) The local E field on the measurement surface was measured at a reference location where the field is well above the noise level. This reference level was used at the end of this procedure to assess output power drift of the DUT during the measurement.
- b) The electric field on the measurement surface was scanned. Measurements are conducted according to the instructions provided by the measurement system manufacturer. Measurement spatial resolution can depend on the measured field characteristic and measurement methodology used by the system. The planar scan step size was configured at $\lambda/4$.
- c) For cDASY6, H-field was calculated from the measured E-field using a reconstruction algorithm. As the power density calculation requires knowledge of both amplitude and phase, reconstruction algorithms can also be used to obtain field information from the measured E-field data (e.g. the phase from the amplitude if only the amplitude is measured). H-field and phase data was reconstructed from repeated measurements (three per measurement point) on two measurement planes separated by $\lambda/4$.
- d) The total spatial-average power density distribution on the evaluation surface is determined per the below equation. The spatial averaging area, *A*, is specified by the applicable exposure limits or regulatory requirements. A circular shape was used.

$$PDavg = \frac{1}{2A} \int_{A} |Re(ExH)| \cdot ds$$

- e) The maximum spatial-average on the evaluation surface is the final quantity to determine compliance against applicable limits.
- f) The local E field reference value, at the same location as step 2, was re-measured after the scan was complete to calculate the power drift. If the drift deviated by more than 5%, the power density test and drift measurements were repeated.

2.4 Reconstruction Algorithm

Computation of the power density in general requires measurement information from the both E-field and H-field amplitudes and phases in the plane of incidence. Reconstruction of these quantities from pseudo-vector E-field measurements is feasible according to the manufacturer, as they are determined via Maxwell's equations. As such, the SPEAG reconstruction approach was based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmmWV3 probe.

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
	Document S/N:	Test Dates:	DUT Type:	Page 8 of 24
	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	
C	2019 PCTEST Engineering Laboratory, Inc.			REV 1

REV 1.0 03/26/2019

3 **RF EXPOSURE LIMITS FOR POWER DENSITY**

3.1 **Uncontrolled Environment**

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

3.2 **Controlled Environment**

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 **RF Exposure Limits for Frequencies Above 6 GHz**

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m² or mW/cm².

Power density was spatially averaged over a circular area of 4 cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Human Exposure Limits Specified in FCC 47 CFR §1.1310							
Human Exposure to Radiofrequency (RF) Radiation Limits							
Frequency Range [MHz]	Average Time [Minutes]						
(A) Limits	For Occupational / Controlled	Environments					
1,500 – 100,000 5.0 6							
(B) Limits For General Population / Uncontrolled Environments							
1,500 – 100,000	1.0	30					

Table 3-1
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Note: 1.0 mW/cm² is 10 W/m²

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 9 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	0
© 2019 PCTEST Engineering Laboratory, Inc.			REV 1.0

© 2019 PCTEST Engineering Laboratory, Inc.

03/26/2019 © 2019 PCTEST Engineering Laboratory, Inc. All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or me including photocopying and microfilm, without permission in writing from PCTEST Engineering Laboratory, Inc. If you have any questions about this international copyright or have an enquiry about the interna orm or by any means, electronic or mechanical, nal copyright or have an enguiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM

4 SYSTEM VERIFICATION

4.1 Test System Verification

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

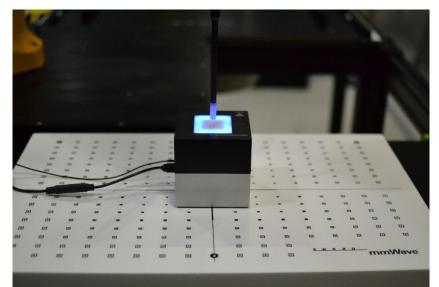


Figure 4-1 System Verification Setup Photo

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 10 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	REV 1

System Check Results												
System Verification												
					Nor	mal S		то	TAL S			
Curat	Freq.	Dete	Source	Probe		ver 4cm ²)	Deviation		ver 4cm ²)	Deviation		
Syst.	(GHz)	Date	SN	SN	Meas.	Target	(dB)	Meas.	Target	(dB)		
М	30	03/12/2019	1015	9407	36.7	35.5	0.14	37.3	36.1	0.14		
I	30	03/12/2019	1035	9405	32.7	34.8	-0.27	33.3	35.1	-0.23		
I	30	03/13/2019	1035	9405	33.6	34.8	-0.15	34.0	35.1	-0.14		
М	30	03/14/2019	1015	9407	36.9	35.5	0.17	37.5	36.1	0.17		
1	30	03/14/2019	1035	9405	32.6	34.8	-0.28	33.2	35.1	-0.24		
М	30	03/15/2019	1015	9407	36.0	35.5	0.06	36.5	36.1	0.05		
1	30	03/15/2019	1035	9405	33.6	34.8	-0.15	34.1	35.1	-0.13		
1	30	03/16/2019	1035	9405	33.4	34.8	-0.18	33.9	35.1	-0.15		
М	30	03/17/2019	1015	9407	36.5	35.5	0.12	37.0	36.1	0.11		
1	30	03/18/2019	1035	9405	33.5	34.8	-0.17	33.9	35.1	-0.15		
M	30	03/18/2019	1015	9407	36.7	35.5	0.14	37.4	36.1	0.15		
1	30	03/19/2019	1035	9405	33.8	34.8	-0.13	34.2	35.1	-0.11		
M	30	03/19/2019	1015	9407	37.3	35.5	0.21	37.9	36.1	0.21		
1	30	03/20/2019	1035	9405	33.5	34.8	-0.17	33.9	35.1	-0.15		
M	30	03/20/2019	1035	9407	36.7	35.5	0.14	37.3	36.1	0.13		
M	30	03/21/2019	1015	9407	36.4	35.5	0.14	36.9	36.1	0.14		
1	30	03/22/2019	1015	9405	33.1	34.8	-0.22	33.6	35.1	-0.19		
M	30	03/22/2019	1015	9407	36.3	35.5	0.10	36.9	36.1	0.10		
M	30	03/25/2019	1015	9407	36.8	35.5	0.16	37.4	36.1	0.15		
1	30	03/25/2019	1015	9405	33.9	34.8	-0.11	34.2	35.1	-0.11		
1	30	03/26/2019	1035	9405	32.9	34.8	-0.24	33.4	35.1	-0.22		
M	30	03/26/2019	1035	9403	36.7	35.5	0.14	37.3	36.1	0.14		
M	30	03/27/2019	1015	9407	36.1	35.5	0.14	36.6	36.1	0.06		
M	30	03/28/2019	1015	9407	36.1	35.5	0.07	36.6	36.1	0.06		
1	30	03/28/2019	1015	9405	32.8	34.8	-0.26	33.3	35.1	-0.23		
1	30	03/29/2019	1035	9405	34.6	34.8	-0.03	35.0	35.1	-0.23		
M	30	03/29/2019	1005	9407	36.6	35.5	0.03	37.3	36.1	0.01		
1	30	03/30/2019	1015	9407	33.7	34.8	-0.14	34.1	35.1	-0.13		
M	30	03/30/2019	1035	9403	35.4	35.5	-0.01	35.8	36.1	-0.04		
1	30	04/01/2019	1015	9407	34.3	34.8	-0.06	34.7	35.1	-0.04		
M	30	04/01/2019	1035	9403	37.1	35.5	0.19	37.7	36.1	0.19		
M	30	04/02/2019	1015	9407	37.1	35.5	0.19	38.0	36.1	0.19		
	30	04/02/2019	1015	9407	34.3	35.5	-0.06	34.8	35.1	-0.04		
M	30		1035		36.4	35.5						
	30	04/03/2019	1015	9407 9405		35.5	0.11 -0.19	37.0	36.1 35.1	0.11		
NA		04/03/2019			33.3			33.8		-0.16		
M	30	04/04/2019	1015	9407	37.1	35.5	0.19	37.6	36.1	0.18		
M	30 30	04/04/2019	1035 1015	9405 9407	33.7	34.8 35.5	-0.14	34.3 37.1	35.1	-0.10		
		04/05/2019			36.5		0.12		36.1	0.12		
M	30 30	04/05/2019 04/06/2019	1035 1015	9405 9407	33.8 37.1	34.8 35.5	-0.13 0.19	34.1 37.6	35.1 36.1	-0.13 0.18		
<u> </u>	30	04/06/2019 04/08/2019	1035	9405	34.0	34.8	-0.10	34.4	35.1	-0.09		
M	30 30		1035	9405 9407	34.6	34.8	-0.03	34.6	35.1	-0.06		
IVI		04/08/2019	1015 1035		36.7	35.5 34.8	0.14	37.2	36.1	0.13		
N4	30	04/09/2019		9405	35.3		0.06	35.8	35.1	0.09		
M	30	04/09/2019	1015	9407	36.0	35.5	0.06	36.5	36.1	0.05		
 	30	04/10/2019	1035	9405	34.3	34.8	-0.06	34.8	35.1	-0.04		
M	30	04/10/2019	1015	9407	35.8	35.5	0.04	36.3	36.1	0.02		
<u> </u>	30	04/11/2019	1002	9405	33.9	35.6	-0.21	34.3	36.2	-0.23		
M	30	04/11/2019	1015	9407	36.6	35.5	0.13	37.1	36.1	0.12		
M	30	04/12/2019	1015	9407	35.6	35.5	0.01	36.0	36.1	-0.01		
M	30	04/15/2019	1015	9407	35.3	35.5	-0.02	35.8	36.1	-0.04		
<u> </u>	30	04/15/2019	1015	9405	31.0	35.5	-0.59	31.6	36.1	-0.58		
M	30	04/16/2019	1002	9407	36.0	35.6	0.05	36.8	36.2	0.07		
M	30	04/17/2019	1015	9407	36.3	35.5	0.10	36.9	36.1	0.10		

Table 4-1 System Check Results

Note: A 10 mm distance spacing was used from the reference horn antenna aperture to the probe element. This includes 4.45 mm from the reference antenna horn aperture to the surface of the verification source plus 5.55 mm from the surface to the probe. The SPEAG software requires a setting of "5.55 mm" for the correct set up.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 11 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	
© 2019 PCTEST Engineering Laboratory, Inc.			REV 1.0

© 2019 PCTEST Engineering Laboratory, Inc.

5 **POWER DENSITY DATA**

5.1 **Power Density Results**

Г

Table 5-1
NR Band n261 J Patch Array Test Results (CP-OFDM)

	MEASUREMENT RESULTS																	
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz	Ch.	Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	27923.5	Mid	-	152	1	100	QPSK	1	0	0.15	2 mm	Back	0231M	0.717	1.010	25.0%	0.253	
2	27923.5	Mid	24	-	1	100	QPSK	1	0	0.16	2 mm	Back	0231M	0.996	1.480	25.0%	0.370	
3	27923.5	Mid	41	167	1	100	QPSK	1	0	-0.11	2 mm	Back	0231M	1.060	1.380	25.0%	0.345	
4	27923.5	Mid	24	-	1	100	QPSK	33	0	-0.16	2 mm	Back	0231M	0.900	1.360	25.0%	0.340	
5	27923.5	Mid	24	-	1	100	QPSK	66	0	-0.14	2 mm	Back	0231M	0.926	1.330	25.0%	0.333	
6	27923.5	Mid	24	-	1	100	16QAM	1	0	-0.01	2 mm	Back	0231M	0.652	0.971	25.0%	0.243	
7	27923.5	Mid	24	-	1	100	64QAM	1	0	-0.11	2 mm	Back	0231M	0.645	0.948	25.0%	0.237	
8	27923.5	Mid	24	-	1	50	QPSK	1	0	-0.03	2 mm	Back	0231M	1.000	1.460	25.0%	0.365	
	27923.5					100	0.001/	1	0	0.00	0	Deal		0.010	0.001	05.00/	0.015	
9	28023.5	Mid	24	-	2	100	QPSK	1	0	-0.09	2 mm	mm Back	Back 0231M	0.616	0.861	25.0%	0.215	
	27923.5					100		1	0									
10	28023.5	Mid	24	-	4	100	QPSK	1	0	0.15	2 mm	Back	0231M	0.480	0.694	25%	0.174	
10	28123.5	IVIIG	24	-	4	100	QFON	1	0	0.15	2 11111	Dack	023110	0.460	0.094	23%	0.174	
	28223.5					100		1	0									
11	27559.3	Low	24	-	1	100	QPSK	1	0	-0.09	2 mm	Back	0231M	1.010	1.580	25.0%	0.395	A1
12	28292.2	High	24	-	1	100	QPSK	1	0	-0.01	2 mm	Back	0231M	1.060	1.490	25.0%	0.373	
13	27559.3	Low	42	-	1	100	QPSK	1	0	0.18	2 mm	Front	0231M	0.057	0.066	25.0%	0.016	
14	27559.3	Low	41	-	1	100	QPSK	1	0	-0.09	2 mm	Тор	0231M	0.213	0.242	25.0%	0.061	
15	27559.3	Low	24	-	1	100	QPSK	1	0	0.04	2 mm	Left	0231M	0.469	0.527	25.0%	0.132	
16	27559.3	Low	28	-	1	100	QPSK	1	0	0.12	2 mm	Right	0231M	0.095	0.100	25.0%	0.025	
17	17 27559.3 Low 25 - 1 100 QPSK 1 0									0.11	10 mm	Back	0231M	0.791	0.956	25.0%	0.239	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population									Power Density 1 mW/cm ² averaged over 4 cm ²								

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 12 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	REV 1

	NR Band n261 K Patch Array Test Results (CP-OFDM)																	
								ME	ASUREI	MENT RESULTS								
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
Case	MHz	Ch.	н	V		MHz				dB				mW/cm ²	mW/cm ²	, -,	mW/cm ²	
1	27923.5	Mid	-	157	1	100	QPSK	1	0	0.13	2 mm	Right	0231M	0.705	0.914	25%	0.229	
2	27923.5	Mid	44	-	1	100	QPSK	1	0	-0.07	2 mm	Right	0231M	1.530	1.780	25%	0.445	
3	27923.5	Mid	45	172	1	100	QPSK	1	0	-0.16	2 mm	Right	0231M	1.690	1.970	25%	0.493	A2
4	27923.5	Mid	45	172	1	100	QPSK	33	0	-0.20	2 mm	Right	0231M	1.270	1.530	25%	0.383	
5	27923.5	Mid	45	172	1	100	QPSK	66	0	-0.15	2 mm	Right	0231M	1.460	1.690	25%	0.423	
6	27923.5	Mid	45	172	1	100	16QAM	1	0	-0.11	2 mm	Right	0231M	1.390	1.610	25%	0.403	
7	27923.5	Mid	45	172	1	100	64QAM	1	0	-0.12	2 mm	Right	0231M	1.570	1.790	25%	0.448	
8	27923.5	Mid	45	172	1	50	QPSK	1	0	-0.03	2 mm	Right	0231M	1.500	1.730	25%	0.433	
9	27923.5	Mid	45	172	2	100	QPSK	1	0	-0.14	2 mm	Diaba	000414	1.070	1.230	25%	0.308	
9	28023.5	IVIIC	45	172	2	100	QPSK	1	0	-0.14	2 mm	Right	0231M	1.070	1.230	25%	0.308	
10	27559.3	Low	45	172	1	100	QPSK	1	0	-0.05	2 mm	Right	0231M	1.640	1.870	25%	0.468	
11	28292.2	High	45	172	1	100	QPSK	1	0	0.04	2 mm	Right	0231M	1.550	1.740	25%	0.435	
12	27923.5	Mid	45	172	1	100	QPSK	1	0	-0.02	2 mm	Back	0231M	1.490	1.610	25%	0.403	
13	27923.5	Mid	31	158	1	100	QPSK	1	0	0.16	2 mm	Front	0231M	0.308	0.388	25%	0.097	
14	27923.5	Mid	29	157	1	100	QPSK	1	0	0.02	2 mm	Тор	0231M	0.060	0.066	25%	0.017	
15	27923.5	Mid	43	171	1	100	QPSK	1	0	-0.14	2 mm	Left	0231M	0.013	0.013	25%	0.003	
16	16 27923.5 Mid 44 173 1 100 QPSK 1 0									0.07	10 mm	Back	0231M	0.555	0.563	25%	0.141	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population									Power Density 1 mW/cm ² averaged over 4 cm ²								

Table 5-2 NR Band n261 K Patch Array Test Results (CP-OFDM)

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
	Document S/N:	Test Dates:	DUT Type:	Page 13 of 24
6	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	DEV/ 1

	NR Band n261 L Patch Array Test Results (CP-OFDM)																	
								ME	ASURE	MENT R	ESULTS							
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT Surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz	Ch.	Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	27923.5	Mid	-	164	1	100	QPSK	1	0	0.12	2 mm	Left	0178M	0.744	0.895	25.0%	0.224	
2	27923.5	Mid	49	-	1	100	QPSK	1	0	-0.12	2 mm	Left	0178M	0.885	1.110	25.0%	0.278	
3	27923.5	Mid	49	176	1	100	QPSK	1	0	-0.13	2 mm	Left	0178M	1.080	1.330	25.0%	0.333	
4	27923.5	Mid	49	176	1	100	QPSK	33	0	-0.02	2 mm	Left	0178M	1.060	1.350	25.0%	0.338	
5	27923.5	Mid	49	176	1	100	QPSK	66	0	-0.14	2 mm	Left	0178M	1.120	1.420	25.0%	0.355	
6	27923.5	Mid	49	176	1	100	16QAM	66	0	-0.14	2 mm	Left	0178M	1.190	1.500	25.0%	0.375	
7	27923.5	Mid	49	176	1	100	64QAM	66	0	-0.03	2 mm	Left	0178M	0.920	1.120	25.0%	0.280	
8	27923.5	Mid	49	176	1	50	16QAM	32	0	-0.14	2 mm	Left	0178M	1.170	1.440	25.0%	0.360	
9	27923.5	Mid	49	176	2	100	16QAM	66	0	-0.05	0	Left	047014	4 000	4.520	25.0%	0.383	A3
9	28023.5	IVIIC	49	176	2	100	TOQAIVI	66	0	-0.05	2 mm	Leit	0178M	1.230	1.530	25.0%	0.363	~5
40	27559.3	7559.3 49 176 10	2	100	400.004	66	0	0.00	0	1.4	047014	4 000	4.000	05.0%	0.005			
10	27659.3	LOW	49	176	Z	100	16QAM	66	0	0.09	2 mm	Left	0178M	1.020	1.300	25.0%	0.325	
	28292.2	1.5.1	10	470		100	400.004	66	0	0.40	0	1.4	047014	4.000	4.540	05.0%	0.378	
11	28192.2	High	49	176	2	100	16QAM	66	0	0.16	2 mm	Left	0178M	1.260	1.510	25.0%	0.378	
10	27923.5		40	477		100	400.004	66	0		0	Deal	047014	0.000	0.000	05.0%	0.000	
12	28023.5	Mid	48	177	2	100	16QAM	66	0	-0.14	2 mm	Back	0178M	0.689	0.806	25.0%	0.202	
40	27923.5		10	470		100	400.004	66	0	0.00	0	Front	047014	0.014	0.004	05.0%	0.005	
13	28023.5	Mid	49	176	2	100	16QAM	66	0	0.09	2 mm	Front	0178M	0.311	0.381	25.0%	0.095	
	27923.5		05	405		100	400.004	66	0		0	Datta	047014	0.007	0.010	05.0%	0.000	
14	28023.5	Mid	35	165	2	100	16QAM	66	0	0.2	2 mm	Bottom	0178M	0.007	0.010	25.0%	0.002	
15	27923.5	Mid	37	164	2	100	16QAM	66	0	0.17	2 mm	Right	0178M	0.015	0.018	25.0%	0.004	
15	28023.5	IVIIU	31	104	2	100	IUQAW	66	0									
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population								Power Density 1 mW/cm ² averaged over 4 cm ²									

Table 5-3 NR Band n261 | Pate L A av Test Results (CP-OFDM)

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager	
ļ	Document S/N:	Test Dates:	DUT Type:	Page 14 of 24	
0	1M1903060032-20.A3L 2019 PCTEST Engineering Laboratory, Inc.	03/12/2019 - 04/17/2019	Portable Handset	REV	

			-		NR	Band	<u>n261</u>	ray Te	st Res	ults	<u>(CP-0</u>	OFDM)						
								MEA	SUREM	IENT RE	SULTS							
Test Case			Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz		Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	27923.5	Mid	-	133	1	100	QPSK	1	0	-0.04	2 mm	Back	0178M	0.536	0.684	25.0%	0.171	
2	27923.5	Mid	16	-	1	100	QPSK	1	0	0.02	2 mm	Back	0178M	0.830	1.060	25.0%	0.265	
3	27923.5	Mid	4	133	1	100	QPSK	1	0	-0.05	2 mm	Back	0178M	0.711	0.979	25.0%	0.245	
4	27923.5	Mid	16	-	1	100	QPSK	33	0	0.06	2 mm	Back	0178M	1.000	1.260	25.0%	0.315	
5	27923.5	Mid	16	-	1	100	QPSK	66	0	0.06	2 mm	Back	0178M	1.010	1.290	25.0%	0.323	A4
6	27923.5	Mid	16	-	1	100	16QAM	66	0	-0.12	2 mm	Back	0178M	0.972	1.240	25.0%	0.310	
7	27923.5	Mid	16	-	1	100	64QAM	66	0	0.05	2 mm	Back	0178M	0.660	0.849	25.0%	0.212	
8	27923.5	Mid	16	-	1	50	QPSK	32	0	0.13	2 mm	Back	0178M	0.912	1.130	25.0%	0.283	
9	27923.5	Mid	16	-	2	100	QPSK	66	0	0.03	2 mm	Back	0178M	1.040	1.240	25.0%	0.310	
9	28023.5	IVIIC	10	-	2	100	QFSK	66	0	0.03	2 11111	Dack	0170101	1.040	1.240	23.0%	0.310	
	27923.5					100		66	0									
10	28023.5		40	-		100	QPSK	66	0	0.42	0	Deals	047014	0.000	1 000	05.00/	0.250	
10	28123.5	Mid	16	-	4	100	QFSK	66	0	0.13	2 mm	Back	0178M	0.832	1.000	25.0%	0.250	
	28223.5					100		66	0									
11	27559.3	Low	16	-	1	100	QPSK	66	0	-0.05	2 mm	Back	0178M	0.910	1.150	25.0%	0.288	
12	28292.2	High	16	-	1	100	QPSK	66	0	0.03	2 mm	Back	0178M	1.040	1.250	25.0%	0.313	
13	27923.5	Mid	17	-	1	100	QPSK	66	0	0.17	2 mm	Front	0178M	0.079	0.085	25.0%	0.021	
14	27923.5	Mid	16	-	1	100	QPSK	66	0	-0.12	2 mm	Тор	0178M	0.531	0.658	25.0%	0.165	
15	27923.5	Mid	6	-	1	100	QPSK	66	0	-0.19	2 mm	Left	0178M	0.074	0.089	25.0%	0.022	
16	27923.5	Mid	6	-	1	100	QPSK	66	0	-0.12	2 mm	Right	0178M	0.025	0.027	25.0%	0.007	
17	27923.5	Mid	16	-	1	100	QPSK	66	0	0.17	10 mm	Back	0178M	0.506	0.525	25.0%	0.131	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population									Power Density 1 mW/cm ² averaged over 4 cm ²								

Table 5-4 NR Band n261 J Dinole A rray Test Results (CP-OFDM)

	PCTEST	NEAR-FIELD POWER DENSITY	Approved by:
FCC ID: A3LSMG977T	ENGINEERING LABORATORY, INC.	EVALUATION REPORT	Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 15 of 24
	03/12/2019 - 04/17/2019	Portable Handset	5
© 2019 PCTEST Engineering Laboratory Inc.			REV 1

						<u>R Ban</u>	<u>d n260</u>	<u>) J Pa</u>	tch A	rray le	est Res	sults	<u>(CP-C</u>	<u>DFDM)</u>				
								ME	ASURE	MENT R	ESULTS							
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz	Ch.	Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	38498.9	Mid	-	168	1	100	QPSK	1	0	-0.11	2 mm	Back	0231M	0.356	0.389	25.0%	0.097	
2	38498.9	Mid	28	-	1	100	QPSK	1	0	0.18	2 mm	Back	0231M	0.341	0.454	25.0%	0.114	
3	38498.9	Mid	42	170	1	100	QPSK	1	0	0.15	2 mm	Back	0231M	0.375	0.533	25.0%	0.133	
4	38498.9	Mid	42	170	1	100	QPSK	33	0	-0.05	2 mm	Back	0231M	0.460	0.650	25.0%	0.163	
5	38498.9	Mid	42	170	1	100	QPSK	66	0	-0.13	2 mm	Back	0231M	0.498	0.671	25.0%	0.168	
6	38498.9	Mid	42	170	1	100	16QAM	66	0	-0.06	2 mm	Back	0231M	0.435	0.555	25.0%	0.139	
7	38498.9	Mid	42	170	1	100	64QAM	66	0	-0.18	2 mm	Back	0231M	0.083	0.109	25.0%	0.027	
8	38498.9	Mid	42	170	1	50	QPSK	32	0	-0.01	2 mm	Back	0231M	0.497	0.703	25.0%	0.176	
_	38498.9		10	470		50	0.001/	32	0	0.10	0	Durt		0.477	0.047	05.00/	0.000	
9	38548.9	Mid	42	170	2	50	QPSK	32	0	-0.19	2 mm	Back	0231M	0.177	0.247	25.0%	0.062	
11	37051.8	Low	42	170	1	50	QPSK	32	0	0.12	2 mm	Back	0231M	0.547	0.793	25.0%	0.198	A5
12	39949.9	High	42	170	1	50	QPSK	32	0	-0.07	2 mm	Back	0231M	0.441	0.623	25.0%	0.156	
13	37051.8	Low	42	170	1	50	QPSK	32	0	0.05	2 mm	Front	0231M	0.027	0.029	25.0%	0.007	
14	37051.8	Low	39	169	1	50	QPSK	32	0	-0.09	2 mm	Тор	0231M	0.095	0.107	25.0%	0.027	
15	37051.8	Low	26	153	1	50	QPSK	32	0	-0.15	2 mm	Left	0231M	0.168	0.194	25.0%	0.049	
16	37051.8	Low	24	155	1	50	QPSK	32	0	-0.17	2 mm	Right	0231M	0.037	0.038	25.0%	0.010	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population												Power De 1 mW/c eraged ov	:m²				

Table 5-5 NR Band n260 | Patch Ar av Test Results (CP-OFDM)

	FCC ID: A3LSMG977T	<u> PCTEST</u>		Approved by:
		ENGINEERING LABORATORY, INC.	EVALUATION REPORT	Quality Manager
	Document S/N:	Test Dates:	DUT Type:	Page 16 of 24
		03/12/2019 - 04/17/2019	Portable Handset	
.C	2019 PCTEST Engineering Laboratory Inc			REV 1

						R Ban	d n26	<u>0 K Pa</u>	atch A	Array T	est Re	sults	<u>(CP-C</u>	DFDM)				
								ME	ASURE	MENT R	ESULTS							
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz	Ch.	Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	38498.9	Mid	-	161	1	100	QPSK	1	0	0.12	2 mm	Right	0231M	0.399	0.518	25.0%	0.130	
2	38498.9	Mid	44	-	1	100	QPSK	1	0	0.09	2 mm	Right	0231M	0.334	0.366	25.0%	0.092	
3	38498.9	Mid	44	172	1	100	QPSK	1	0	0.14	2 mm	Right	0231M	0.987	1.160	25.0%	0.290	
4	38498.9	Mid	44	172	1	100	QPSK	33	0	0.11	2 mm	Right	0231M	1.300	1.550	25.0%	0.388	A6
5	38498.9	Mid	44	172	1	100	QPSK	66	0	0.09	2 mm	Right	0231M	1.190	1.410	25.0%	0.353	
6	38498.9	Mid	44	172	1	100	16QAM	33	0	0.07	2 mm	Right	0231M	1.030	1.230	25.0%	0.308	
7	38498.9	Mid	44	172	1	100	64QAM	33	0	0.03	2 mm	Right	0231M	0.205	0.235	25.0%	0.059	
8	38498.9	Mid	44	172	1	50	QPSK	16	0	0.17	2 mm	Right	0231M	1.220	1.410	25.0%	0.353	
9	38498.9	Mid	44	172	2	100	QPSK	33	0	0.07	2 mm	Right	0231M	0.889	1.090	25.0%	0.273	
9	38598.9	IVIIC	44	172	2	100	QPON	33	0	0.07	2 11111	Right	023111	0.009	1.090	23.0%	0.275	
10	37051.8	Low	44	172	1	100	QPSK	33	0	0.01	2 mm	Right	0231M	0.848	1.030	25.0%	0.258	
11	39949.9	High	44	172	1	100	QPSK	33	0	-0.15	2 mm	Right	0231M	0.919	1.060	25.0%	0.265	
12	38498.9	Mid	30	158	1	100	QPSK	33	0	-0.15	2 mm	Back	0231M	0.636	0.829	25.0%	0.207	
13	38498.9	Mid	-	161	1	100	QPSK	33	0	-0.19	2 mm	Back	0231M	0.342	0.463	25.0%	0.116	
14	38498.9	Mid	31	159	1	100	QPSK	33	0	0.03	2 mm	Front	0231M	0.398	0.546	25.0%	0.137	
15	38498.9	Mid	33	157	1	100	QPSK	33	0	-0.14	2 mm	Тор	0231M	0.055	0.060	25.0%	0.015	
16	38498.9	Mid	45	173	1	100	QPSK	33	0	0.12 2 mm Left 0231M 0.012 0.013 25.0% 0.003								
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population								Power Density 1 mW/cm ² averaged over 4 cm ²									

Table 5-6 NR Band n260 K Patch Arr av Test Results (CP-OFDM)

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
	Document S/N:	Test Dates:	DUT Type:	Page 17 of 24
e	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	BEV 1

					IN	к ра			atch	Array Test Results (CP-OFDM)								
								М	EASUR	EMENT	RESULT	S						
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
Case	MHz	Ch.	н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	38498.9	Mid	-	166	1	100	QPSK	1	0	0.13	2 mm	Left	0178M	0.446	0.567	25%	0.142	
2	38498.9	Mid	36	-	1	100	QPSK	1	0	-0.06	2 mm	Left	0178M	0.395	0.471	25%	0.118	
3	38498.9	Mid	50	178	1	100	QPSK	1	0	-0.07	2 mm	Left	0178M	0.676	0.974	25%	0.244	
4	38498.9	Mid	50	178	1	100	QPSK	33	0	-0.13	2 mm	Left	0178M	0.735	1.040	25%	0.260	A7
5	38498.9	Mid	50	178	1	100	QPSK	66	0	-0.14	2 mm	Left	0178M	0.649	0.970	25%	0.243	
6	38498.9	Mid	50	178	1	100	16QAM	33	0	-0.14	2 mm	Left	0178M	0.619	0.956	25%	0.239	
7	38498.9	Mid	50	178	1	100	64QAM	33	0	0.09	2 mm	Left	0178M	0.137	0.207	25%	0.052	
8	38498.9	Mid	50	178	1	50	QPSK	16	0	0.13	2 mm	Left	0178M	0.605	0.838	25%	0.210	
9	38498.9	Mid	50	178	2	100	QPSK	33	0	-0.14	2 mm	Left	0178M	0.595	0.946	25%	0.237	
9	38598.9	IVIIG	50	170	2	100	QPSK	33	0	-0.14	2 11111	Leit	0170101	0.595	0.946	23%	0.237	
10	37051.8	Low	50	178	1	100	QPSK	33	0	0.16	2 mm	Left	0178M	0.500	0.774	25%	0.194	
11	39949.9	High	50	178	1	100	QPSK	33	0	-0.15	2 mm	Left	0178M	0.557	0.860	25%	0.215	
12	38498.9	Mid	38	166	1	100	QPSK	33	0	-0.15	2 mm	Back	0178M	0.516	0.627	25%	0.157	
13	38498.9	Mid	50	178	1	100	QPSK	33	0	0.12	2 mm	Front	0178M	0.161	0.186	25%	0.047	
14	38498.9	Mid	49	175	1	100	QPSK	33	0	0.16	2 mm	Bottom	0178M	0.015	0.017	25%	0.004	
15	38498.9	Mid	36	162	1	100	QPSK	33	0	0.04	2 mm	Right	0178M	0.002	0.004	25%	0.001	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population								Power Density 1 mW/cm ² averaged over 4 cm ²									

 Table 5-7

 NR Band n260 L Patch Array Test Results (CP-OFDM)

FCC ID: A3LS	SMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	UNG	Approved by: Quality Manager
Document S/	N:	Test Dates:	DUT Type:		Page 18 of 24
1M190306003	2-20.A3L	03/12/2019 - 04/17/2019	Portable Handset		
© 2019 PCTEST E	ngineering Laboratory, Inc.				REV 1

		NR Band n260 J Dipo									<u>Test Re</u>	sults	<u>(CP-O</u>	FDM)				
								м	EASUR	EMENT I	RESULTS							
Test Case	FREQUE	NCY	Beam ID1	Beam ID2	# CC	BW	Modulation	RB Size	RB Offset	Power Drift	Evaluation Distance	DUT surface	DUT S/N	Normal S	Total S	Production Duty Cycle	Total S (with Duty)	Plot #
	MHz	Ch.	Н	V		MHz				dB				mW/cm ²	mW/cm ²		mW/cm ²	
1	38498.9	Mid	-	133	1	100	QPSK	1	0	-0.04	2 mm	Back	0178M	0.436	0.529	25.0%	0.132	
2	38498.9	Mid	17	-	1	100	QPSK	1	0	0.02	2 mm	Back	0178M	0.529	0.686	25.0%	0.172	
3	38498.9	Mid	17	145	1	100	QPSK	1	0	-0.05	2 mm	Back	0178M	0.875	1.150	25.0%	0.288	
4	38498.9	Mid	17	145	1	100	QPSK	33	0	0.02	2 mm	Back	0178M	0.757	1.040	25.0%	0.260	
5	38498.9	Mid	17	145	1	100	QPSK	66	0	0.09	2 mm	Back	0178M	0.730	1.060	25.0%	0.265	
6	38498.9	Mid	17	145	1	100	16QAM	1	0	0.09	2 mm	Back	0178M	0.687	0.786	25.0%	0.197	
7	38498.9	Mid	17	145	1	100	64QAM	1	0	-0.12	2 mm	Back	0178M	0.177	0.207	25.0%	0.052	
8	38498.9	Mid	17	145	1	50	QPSK	1	0	0.05	2 mm	Back	0178M	0.939	1.240	25.0%	0.310	A 8
9	38498.9	Mid	17	145	2	50	QPSK	1	0	-0.19	2 mm	Back	0178M	0.154	0.196	25.0%	0.049	
3	38548.9	IVIG	17	145	2	50	QI OK	1	0	-0.13	2 11111	Dack	01700	0.104	0.130	23.070	0.043	
10	37051.8	Low	17	145	1	50	QPSK	1	0	0.01	2 mm	Back	0178M	0.749	0.918	25.0%	0.230	
11	39949.9	High	17	145	1	50	QPSK	1	0	0.06	2 mm	Back	0178M	0.647	0.849	25.0%	0.212	
12	38498.9	Mid	4	133	1	50	QPSK	1	0	0.19	2 mm	Front	0178M	0.037	0.055	25.0%	0.014	
13	38498.9	Mid	16	144	1	50	QPSK	1	0	-0.11	2 mm	Тор	0178M	0.738	0.759	25.0%	0.190	
14	38498.9	Mid	17	145	1	50	QPSK	1	0	0.10	2 mm	Left	0178M	0.160	0.187	25.0%	0.047	
15	38498.9	Mid	5	132	1	50	QPSK	1	0	0.16	2 mm	Right	0178M	0.006	0.008	25.0%	0.002	
16	38498.9	Mid	16	144	1	50	QPSK	1	0	-0.06	15 mm	Back	0178M	0.370	0.385	25.0%	0.096	
	47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population													ower Densi 1 mW/cm² aged over 4				

Table 5-8 ND Dand mach I Di

	FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
	Document S/N:	Test Dates:	DUT Type:	Page 19 of 24
6	1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	REV 1

5.2 Power Density Test Notes

General Notes:

- 1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- 2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
- 3. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$. Please see Section 2.3 for more details of the evaluation process.
- 4. Power density results were scaled down from the test software duty cycle of 100% to the maximum duty cycle (as attested by the carrier(s)) to demonstrate compliance.
- 5. DUT was configured to transmit with a manufacturer provided test software to control specific antenna(s) and Beam ID(s) to ensure the test configurations constant for the entire evaluation.
- This device utilizes power reduction for some LTE and WLAN wireless modes and technologies for simultaneous transmission compliance. These mechanisms are assessed in the SAR Test Report SN: 1M1903060032-01.A3L.
- 7. This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is evaluated by combining the exposure from each antenna. The analysis of the Total Exposure Ratio (TER) can be found in Appendix D.
- 8. Per FCC guidance, all beams were simulated in the near field for each antenna and evaluation plane. For the worst-case surface, the highest simulated Beam IDs were measured for SISO V polarization, SISO H polarization, and MIMO (H+V). When the results were more than half the limit, the next 3 highest simulated Beam IDs with the maximum measured polarity were additionally measured per FCC guidance. With the maximum measured Beam ID, additional modulations (CP-OFDM 16QAM, CP-OFDM 64QAM), RB configurations (half RB size, full RB size), component carriers, and channels (low channel, high channel) configurations were measured. Each antenna array module was evaluated independently.
- 9. The polarity and RF configuration with the highest measured power density was used for measurement for the other evaluation planes and test distances. The Beam ID with the highest simulated power density for that surface and distance was selected.
- 10. The device was configured to MIMO configuration with H and V polarization beams transmitting together, as indicated in Section 5.1.
- 11. The device does not support 4CC transmission when configured to MIMO configuration.
- 12. EIRP measurements corresponding to the above measurements can be found in the associated Part 30 test report SN: 1M1903060032-05.A3L.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 20 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	1 ugo 20 01 2 1
2019 PCTEST Engineering Laboratory, Inc.			REV 1. 03/26/201

6 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	WL25-1	Conducted Cable Set (25GHz)	10/31/2018	Annual	10/31/2019	WL25-1
Agilent	N9038A	MXE EMI Receiver	6/11/2018	Annual	6/11/2019	MY51210133
Emco	3116	Horn Antenna (18 - 40GHz)	6/7/2018	Triennial	6/7/2021	9203-2178
Huber+Suhner	Sucoflex 102A	40GHz Radiated Cable	8/23/2018	Annual	8/23/2019	251425001
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	6/25/2018	Annual	6/25/2019	102133
Rohde & Schwarz	TS-PR40	26.5-40 GHz Pre-Amplifier	9/19/2018	Annual	9/19/2019	100037
Rohde & Schwarz	FSW67	Signal / Spectrum Analyzer	8/17/2018	Annual	8/17/2019	103200
SPEAG	EUmmWV3	EUmmWV3 Probe	10/12/2018	Annual	10/12/2019	9405
SPEAG	EUmmWV3	EUmmWV3 Probe	12/7/2018	Annual	12/7/2019	9407
SPEAG	SM 003 100 AA	30GHz System Verification Ka- Band Source Antenna	3/19/2019	Annual	3/19/2020	1002
SPEAG	SM 003 100 AA	30GHz System Verification Ka- Band Source Antenna	10/1/2018	Annual	10/1/2019	1015
SPEAG	SM 003 100 AA	30GHz System Verification Ka- Band Source Antenna	1/28/2019	Annual	1/28/2020	1035
SPEAG	DAE4	Dasy Data Acquisition Electronics	10/18/2018	Annual	10/18/2019	1333
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/22/2018	Annual	5/22/2019	859
HP	8564E	Spectrum Analyzer (9 kHz - 40 GHz)	7/23/2018	Annual	7/23/2019	3846A01599
Agilent	N9030A	PXA Signal Analyzer (44GHz)	5/25/2018	Annual	5/25/2019	MY52350166
Com-Power	AL-130	9kHz - 30MHz Loop Antenna	10/10/2017	Biennial	10/10/2019	121034
Com-Power	PAM-103	Pre-Amplifier (1-1000MHz)	9/17/2018	Annual	9/17/2019	441119
Emco	3115	Horn Antenna (1-18GHz)	3/28/2018	Biennial	3/28/2020	9704-5182
Keysight Technologies	N9030A	3Hz-44GHz PXA Signal Analyzer	4/20/2018	Annual	4/20/2019	MY49430494
Keysight Technologies	N9030A	PXA Signal Analyzer	8/6/2018	Annual	8/6/2019	MY54490576
Rohde & Schwarz	180-442-KF	Horn (Small)	8/21/2018	Annual	8/21/2019	U157403-01
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	5/21/2018	Annual	5/21/2019	100342
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	6/18/2018	Annual	6/18/2019	102134
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	4/19/2018	Biennial	4/19/2020	A051107
Virginia Diodes Inc	SAX252	Spectrum Analyzer Extension Module	5/14/2018	Annual	5/14/2019	SAX252
Virginia Diodes Inc	SAX253	Spectrum Analyzer Extension Module	5/8/2018	Annual	5/8/2019	SAX253
Virginia Diodes Inc	SAX254	Spectrum Analyzer Extension Module	5/8/2018	Annual	5/8/2019	SAX254

Note: 1. Each equipment item was used solely within its respective calibration period.

2. CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	SUNG	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:		Page 21 of 24
1M1903060032-20.A3L © 2019 PCTEST Engineering Laboratory, Inc.	03/12/2019 - 04/17/2019	Portable Handset		REV 1

03/26/2019

7 **MEASUREMENT UNCERTAINTIES**

					f =	
a	b	С	d	e	b x e/d	g
	Unc.	Prob.			ui	
Uncertainty Component	(± dB)	Dist.	Div.	ci	(± dB)	vi
Measurement System	ļ	Į				
Probe Calibration	0.49	Ν	1	1.0	0.49	8
Hemispherical Isotropy	0.5	R	1.73	1.0	0.29	∞
Linearity	0.2	R	1.73	0.0	0.00	8
Detection Limits	0.04	R	1.73	1.0	0.02	8
Modulation Response	0.4	R	1.73	1.0	0.23	8
Resource Block Offset	0.1	R	1.73	1.0	0.06	8
Readout Electronics	0.03	Ν	1	1.0	0.03	∞
Response Time	0	R	1.73	1.0	0.00	8
Integration Time	0	R	1.73	1.0	0.00	8
RF Ambient Conditions - Noise	0.04	R	1.73	1.0	0.02	8
RF Ambient Conditions - Reflections	0.21	R	1.73	1.0	0.12	8
Probe Positioner	0.04	R	1.73	1.0	0.02	8
Probe Positioning	0.3	R	1.73	1.0	0.17	8
Post-processing	0.6	R	1.73	1.0	0.35	∞
Test Sample Related	•					•
Power Drift	0.22	R	1.73	1.0	0.13	8
Input Power	0.0	Ν	1	0.0	0.00	∞
Combined Standard Uncertainty (k=1)		RSS			0.75	∞
Expanded Uncertainty						*
(95% CONFIDENCE LEVEL)		k	=2		1.5	

	C PCTEST	NEAR-FIELD POWER DENSITY	Approved by:
FCC ID: A3LSMG977T	ENGINEERING LABORATORY, INC.	EVALUATION REPORT	Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 22 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	: ago <u></u> o: <u>_</u> :

© 2019 PCTEST Engineering Laboratory, Inc.

REV 1.0 03/26/2019 © 2019 PCTEST Engineering Laboratory, Inc. All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST Engineering Laboratory, Inc. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

REV 1.0

8 CONCLUSION

8.1 Measurement Conclusion

The power density measurements and total exposure ratio analysis indicate that the DUT complies with the RF radiation exposure limits of the FCC, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the RF Exposure and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 23 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	REV 1

9 **REFERENCES**

- [1] ANSI/IEEE C95.1-1992, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300GHz, New York: IEEE, Sept. 1992.
- [2] IEC TR 63170:2018, Measurement Procedure for the Evaluation of Power Density Related to Human Exposure to Radiofrequency Fields from Wireless Communication Devices Operating between 6 GHz and 100 GHz
- [3] IEC TR 62630 : 2010, Guidance for Evaluating Exposure from Multiple Electromagnetic Sources
- [4] K. Pokovic, T. Schmid, J. Frohlich, and N. Kuster. Novel Probes and Evaluation Procedures to Assess Field Magnitude and Polarization. IEEE Transactions on Electromagnetic Compatibility 42(2): 240 -244, 2000
- [5] R. W. Gerchberg and W. O. Saxton. A Practical Algorithm for the Determination of Phase from Image and Diffraction Plane Pictures. Optik 35(2): 237 246, 1972
- [6] A. P. Anderson and S. Sali. New Possibilities for Phaseless Microwave Diagnostics. Part 1: Error Reduction Techniques. IEE Proceedings H – Microwaves, Antennas and Propagation 132(5): 290 – 298, 1985
- [7] FCC KDB 865664 D02 v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz. Federal Communications Commission – Office of Engineering and Technology, Laboratory Division.
- [8] FCC KDB 447498 D01 v02r01: RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices. Federal Communications Commission – Office of Engineering and Technology, Laboratory Division.
- [9] November 2017 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [10] October 2018 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [11] SPEAG DASY6 System Handbook (February 2019)

	<i>╔</i> ∖ PCTEST'	NEAR-FIELD POWER DENSITY	Approved by:
FCC ID: A3LSMG977T	THE REPRESENCE CABORATORY, INC.	EVALUATION REPORT	Quality Manager
Document S/N:	Test Dates:	DUT Type:	Page 24 of 24
1M1903060032-20.A3L	03/12/2019 - 04/17/2019	Portable Handset	
2019 PCTEST Engineering Laboratory, Inc.			REV 1

Date: 04-04-2019

Ant. J Patch; Beam 24; H; Low Ch.; 1CC, 100 MHz, CP-OFDM-QPSK 1 RB, 0 RB Offset

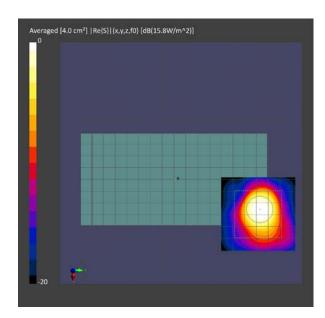
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0231M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	ВАСК	2.00	n261	27559.3

Probe, Calibration Date	DAE, Calibration Date
-	
EUmmWV3 – SN9407, 2018–12–07	DAE4 Sn1333, 2018-10-18
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	15.8
pSn avg [W/m²]	10.1
E _{peak} [V/m]	145
Power Drift [dB]	-0.09



Date: 03-28-2019

Ant. K Patch; Beam 45/172; MIMO; Mid Ch.; 1CC, 100 MHz, CP-OFDM-QPSK, 1 RB, 0 RB Offset

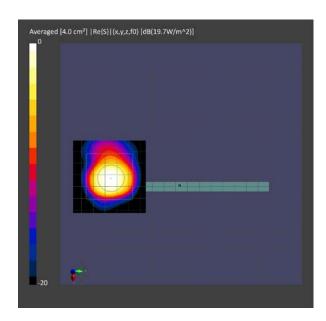
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0231M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	EDGE RIGHT	2.00	n261	27923.5

Probe, Calibration Date	DAE, Calibration Date	
EUmmWV3 – SN9407, 2018–12–07	DAE4 Sn1333, 2018-10-18	
Software Setup		
Software	Software Version	
cDasy6 Module mmWave	1.6.2.3	
Scans Setup		
Scan Type	5G Scar	
Grid Extents [mm]	60.0 × 60.0	
Grid Steps [lambda]	0.25 × 0.25	
Sensor Surface [mm]	2.0	
Measurement Results		
Scan Type	5G Scar	
Avg. Area [cm²]	4.00	
pS _{tot} avg [W/m ²]	19.7	
pS _n avg [W/m²]	16.9	
E _{peak} [V/m]	179	
Power Drift [dB]	-0.16	



Date: 03-29-2019

Ant. L Patch; Beam 49/176; MIMO; Mid Ch.; 2CC, 100 MHz, CP-OFDM-16QAM, 66 RB, 0 RB Offset

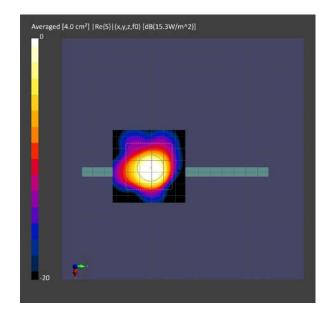
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0178M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	EDGE LEFT	2.00	n261	27923.5

Probe, Calibration Date	DAE, Calibration Date	
EUmmWV3 – SN9405, 2018–10–12	DAE4 Sn859, 2018-05-22	
Software Setup		
Software	Software Version	
cDasy6 Module mmWave	1.6.2.3	
Scans Setup		
Scan Type	5G Scar	
Grid Extents [mm]	60.0 × 60.0	
Grid Steps [lambda]	0.25 × 0.25	
Sensor Surface [mm]	2.0	
Measurement Results		
Scan Type	5G Scar	
Avg. Area [cm²]	4.00	
pS _{tot} avg [W/m²]	15.3	
pSn avg [W/m²]	12.3	
E _{peak} [V/m]	173	
Power Drift [dB]	-0.05	



Date: 03-30-2019

Ant. J Dipole; Beam 16; H; Mid Ch.; 1CC, 100 MHz, CP-OFDM-QPSK, 66 RB, 0 RB Offset

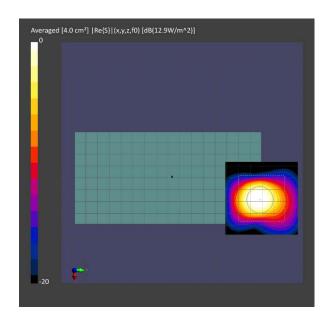
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0178M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	ВАСК	2.00	n261	27923.5

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9405, 2018–10–12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scan
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	12.9
pSn avg [W/m²]	10.1
E _{peak} [V/m]	161
Power Drift [dB]	0.06



Date: 04-11-2019

Ant. J Patch; Beam 42/170; MIMO; Low Ch.; 1CC, 50 MHz, CP-OFDM-QPSK, 32 RB, 0 RB Offset

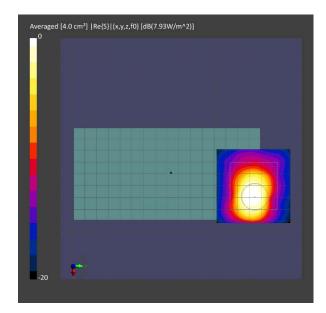
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0231M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	ВАСК	2.00	n260	37051.8

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 2018–12–07	DAE4 Sn1333, 2018–10–18
Software Setup	· · · · · · · · · · · · · · · · · · ·
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	7.93
pSn avg [W/m²]	5.47
E _{peak} [V/m]	118
Power Drift [dB]	0.12



Date: 04-08-2019

Ant. K Patch; Beam 44/172; MIMO; Mid Ch.; 1CC, 100 MHz, CP-OFDM-QPSK, 33 RB, 0 RB Offset

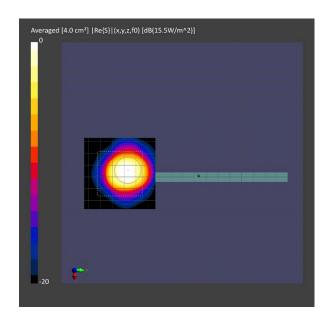
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0231M	Phone

Exposure Conditions

1	Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
	5G	EDGE RIGHT	2.00	n260	38498.9

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 2018–12–07	DAE4 Sn1333, 2018-10-18
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scan
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	15.5
pS _n avg [W/m²]	13.0
E _{peak} [V/m]	164
Power Drift [dB]	0.11



Date: 04-04-2019

Ant. L Patch; Beam 50/178; MIMO; Mid Ch.; 1CC, 100 MHz, CP-OFDM-QPSK, 33 RB, 0 RB Offset

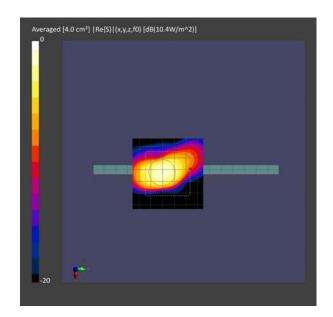
Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMG977T	0178M	Phone

Exposure Conditions

1	Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
	5G	EDGE LEFT	2.00	n260	38498.9

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9405, 2018–10–12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	10.4
pS _n avg [W/m²]	7.35
E _{peak} [V/m]	141
Power Drift [dB]	-0.13



Date: 04-10-2019

Ant. J Dipole; Beam 17/145; MIMO; Mid ch.; 1CC, 50 MHz, CP-OFDM-QPSK, 1 RB, 0 RB Offset

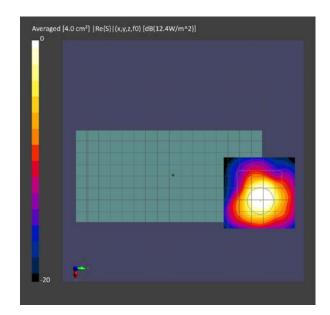
Device Under Test Properties

DUT	Serial Number	DUT Type
	0178M	Phone

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	38498.9

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9405, 2018-10-12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	12.4
pSn avg [W/m²]	9.39
E _{peak} [V/m]	190
Power Drift [dB]	0.05



Date: 03-14-2019 30 GHz Verification

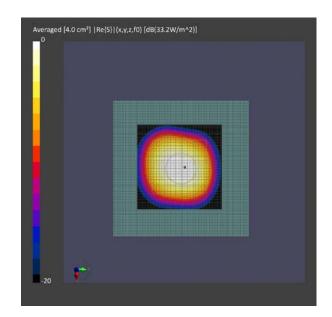
Device Under Test Properties

DUT	Serial Number	DUT Type
Verification Source	1035	30 GHz

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9405, 2018-10-12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	33.2
pS _n avg [W/m²]	32.6
E _{peak} [V/m]	129
Total S Deviation [dB]	-0.24



Date: 04-02-2019 30 GHz Verification

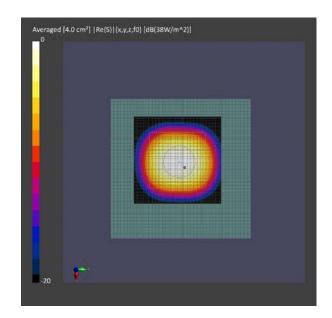
Device Under Test Properties

DUT	Serial Number	DUT Type
Verification Source	1015	30 GHz

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 2018-12-07	DAE4 Sn1333, 2018-10-18
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scan
Grid Extents [mm]	60.0 × 60.0
Grid Steps [lambda]	0.25 × 0.25
Sensor Surface [mm]	5.55
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	38.0
pS _n avg [W/m²]	37.3
E _{peak} [V/m]	140
Total S Deviation [dB]	0.22



Date: 04-11-2019 30 GHz Verification

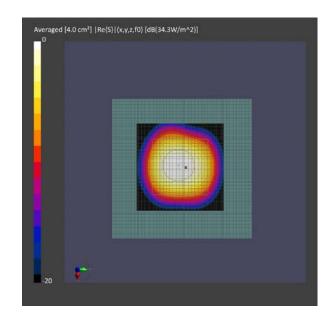
Device Under Test Properties

DUT	Serial Number	DUT Type
Verification Source	1002	30 GHz

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9405, 2018–10–12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	34.3
pS _n avg [W/m²]	33.9
E _{peak} [V/m]	138
Total S Deviation [dB]	-0.23



Date: 04-15-2019 30 GHz Verification

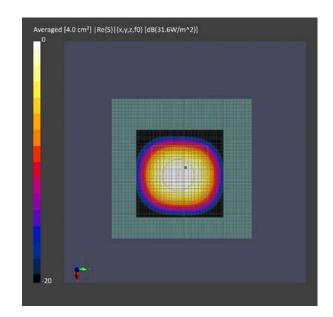
Device Under Test Properties

DUT	Serial Number	DUT Type
Verification Source	1015	30 GHz

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9405, 2018–10–12	DAE4 Sn859, 2018-05-22
Software Setup	
Software	Software Version
cDasy6 Module mmWave	1.6.2.3
Scans Setup	
Scan Type	5G Scar
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
Measurement Results	
Scan Type	5G Scar
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m ²]	31.6
pS _n avg [W/m²]	31.0
E _{peak} [V/m]	125
Total S Deviation [dB]	-0.58



PCTEST ENGINEERING LABORATORY, INC.

Date: 04-16-2019 30 GHz Verification

Device Under Test Properties

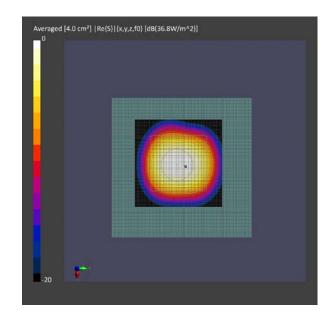
DUT	Serial Number	DUT Type
Verification Source	1002	30 GHz

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date		
EUmmWV3 - SN9407, 2018-12-07	DAE4 Sn1333, 2018-10-18		
Software Setup			
Software	Software Version		
cDasy6 Module mmWave	1.6.2.3		
Scans Setup			
Scan Type	5G Scan		
Grid Extents [mm]	60.0 × 60.0		
Grid Steps [lambda]	0.25 x 0.25		
Sensor Surface [mm]	5.55		
Measurement Results			
Scan Type	5G Scar		
Avg. Area [cm²]	4.00		
pS _{tot} avg [W/m²]	36.8		
pS _n avg [W/m²]	36.0		
E _{peak} [V/m]	143		
Total S Deviation [dB]	0.07		



Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client PC Test

BC=MRA



S

С

S

Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Certificate No: EUmmWV3-9405_Oct18/2

CALIBRATION CERTIFICATE (Replacement of No: EUmmWV3-9405_Oct18)

Object	EUmmWV3 - SN:9405
Calibration procedure(s)	QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2 Calibration procedure for E-field probes optimized for close near field evaluations in air
Calibration date:	October 12, 2018

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	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ER3DV6	SN: 2328	09-Oct-18 (No. ER3-2328_Oct18)	Oct-19
DAE4	SN: 789	07-Aug-18 (No. DAE4-789_Aug18)	Aug-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	\rightarrow \rightarrow $M \rightarrow =$
			CE E
Approved by:	Katja Pokovic	Technical Manager	Ally
This calibration certificate	e shall not be reproduced except in fu	Ill without written approval of the labe	Issued: February 20, 2019 oratory.

Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst

S Service suisse d'étalonnage С Servizio svizzero di taratura S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary: NORMx,y,z DCP CF A, B, C, D	sensitivity in free space diode compression point crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization 9	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 Sensor Angles k	information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization is the wave propagation direction

Calibration is Performed According to the Following Standards:

a) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005

Methods Applied and Interpretation of Parameters:

- NORMx, v.z: Assessed for E-field polarization $\vartheta = 0$ for XY sensors and $\vartheta = 90$ for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- 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
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, Rp, inductance L and capacitors C, Cp).
- 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.
- Sensor Offset: The sensor offset corresponds to the mechanical 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).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k=2)
Norm (μ V/(V/m) ²)	0.01847	0.01952	± 10.1 %
DCP (mV) ^B	112.0	102.0	
Equivalent Sensor Angle	-60.6	37.3	

Calibration results for Frequency Response (750 MHz – 110 GHz)

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.75	77.2	-0.03	0.03	± 0.43 dB
1.8	140.4	0.08	0.08	± 0.43 dB
2	133.0	0.07	0.10	± 0.43 dB
2.2	124.8	-0.02	0.01	± 0.43 dB
2.5	123.0	-0.01	-0.04	± 0.43 dB
3.5	256.2	0.16	-0.07	± 0.43 dB
3.7	249.8	0.27	-0.05	± 0.43 dB -
6.6	41.8	-0.23	0.06	± 0.98 dB
8	48.4	-0.20	-0.39	± 0.98 dB
10	54.4	-0.10	-0.11	± 0.98 dB
15	71.5	0.45	0.00	± 0.98 dB
18	85.3	0.22	0.36	± 0.98 dB
26.6	96.9	0.28	0.36	± 0.98 dB
30	92.6	0.21	0.31	± 0.98 dB
35	93.7	0.03	0.18	± 0.98 dB
40	91.5	-0.25	-0.30	± 0.98 dB
50	19.6	-0.34	-0.08	± 0.98 dB
55	22.4	0.25	0.18	± 0.98 dB
60	23.0	-0.07	-0.16	± 0.98 dB
65	27.4	-0.47	-0.36	± 0.98 dB
70	23.9	-0.34	-0.41	± 0.98 dB
75	20.0	-0.42	-0.42	± 0.98 dB
75	14.8	0.01	0.08	± 0.98 dB
80	22.5	-0.06	0.12	± 0.98 dB
85	22.8	-0.17	-0.06	± 0.98 dB
90	23.8	0.03	0.07	± 0.98 dB
92	23.9	0.16	-0.06	± 0.98 dB
95	20.5	-0.06	-0.21	± 0.98 dB
97	24.4	-0.02	-0.18	± 0.98 dB
100	22.6	0.01	-0.15	± 0.98 dB
105	22.7	-0.29	-0.29	± 0.98 dB
110	19.7	-0.35	-0.35	± 0.98 dB

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%.

^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.

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	119.5	± 3.8 %	±4.7 %
		Y	0.00	0.00	1.00		62.8		
10352-	Pulse Waveform (200Hz, 10%)	X	2.07	60.00	11.93	10.00	6,0	± 1.5 %	± 9.6 %
AAA		Y	1.88	60.00	13.07		6.0		
10353-	Pulse Waveform (200Hz, 20%)	X	8.00	74.00	15.00	6.99	12.0	±0.8 %	± 9.6 %
AAA		Y	1.13	60.00	12.38	1	12.0	1	
10354-	Pulse Waveform (200Hz, 40%)	Х	0.60	60.00	10.52	3.98	23.0	± 1.0 %	± 9.6 %
AAA		Y	0.67	60.00	11.39		23.0	1	
10355-	Pulse Waveform (200Hz, 60%)	Х	0.36	60.00	10.03	2.22	27.0	± 0.6 %	± 9.6 %
AAA		Y	0.18	68.88	3.11		27.0		
10387-	QPSK Waveform, 1 MHz	Х	4.01	94.94	4.87	0.00	22.0	±0.8%	± 9.6 %
AAA		Y	0.00	69.74	15.06		22.0		
10388-	QPSK Waveform, 10 MHz	Х	1.13	60.00	11.86	0.00	22.0	± 1.1 %	±9.6 %
AAA		Y	1.67	60.00	10.86		22.0		
10396-	64-QAM Waveform, 100 kHz	Х	1.84	60.93	14.06	3.01	17.0	±0.6 %	± 9.6 %
AAA		Y	1.80	60.00	13.97		17.0		
10399-	64-QAM Waveform, 40 MHz	X	1.93	60.00	12.35	0.00	19.0	±1.7 %	± 9.6 %
AAA		Y	2.52	60.00	11.76		19.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	2.84	60.00	12.78	0.00	12.0	± 1.3 %	± 9.6 %
AAA		Y	3.69	60.00	12.16		12.0		

Calibration Results for Modulation Response

Note: For details on all calibrated UID parameters see Appendix

Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.9	50.0	-0.06	0.13	± 0.2 dB
0.9	100.0	0.07	0.02	± 0.2 dB
0.9	500.0	0.02	0.00	± 0.2 dB
0.9	1000.0	0.04	0.02	± 0.2 dB
0.9	1500.0	0.04	0.03	± 0.2 dB
0.9	2000.0	0.03	-0.01	± 0.2 dB

Sensor Frequency Model Parameters

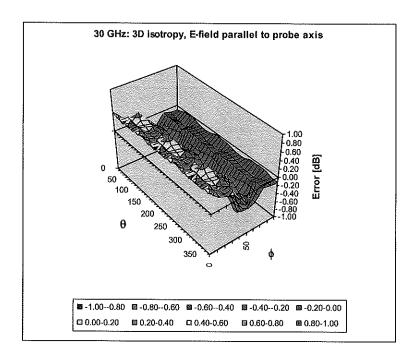
	Sensor X	Sensor Y		
R (Ω)	33.82	35.44		
$R_{p}(\Omega)$	98.04	94.87		
L (nH)	H) 0.03197			
C (pF)	0.2079	0.2339		
C _p (pF)	0.1424	0.1328		

Sensor Model Parameters

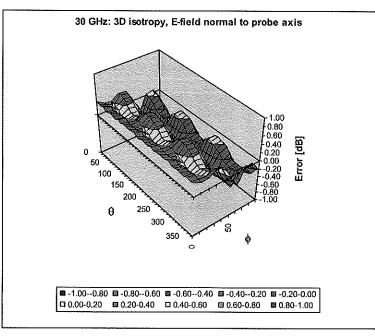
	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
X	23.8	165.57	31.25	0.92	2.33	4.95	0.00	0.77	1.01
Y	19.3	143.56	35.04	0.00	1.21	5.01	0.00	0.70	1.01

Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle (°)	-46.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm



Deviation from Isotropy in Air



Probe isotropy for E_{tot} : probe rotated $\varphi = 0^{\circ}$ to 360°, tilted from field propagation direction \vec{k} Parallel to the field propagation ($\psi = 0^{\circ} - 90^{\circ}$): deviation within ± 0.57 dB Normal to field orientation ($\vartheta = 0^{\circ} - 90^{\circ}$): deviation within ± 0.45 dB

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc [≞] (k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6%
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±96%
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9,6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6%
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±96%
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	$\pm 9.6\%$
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
	•	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)			

	-r	······			
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9,6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5,46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6%
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
1 + +	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10188	UAL	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10188 10189	AAF				
10188					±9.6%
10188 10189 10193 10194	AAF CAC CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.09	±9.6 % ±9.6 %
10188 10189 10193	AAF CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN WLAN	8.09 8.12	±9.6 %
10188 10189 10193 10194 10195 10196	AAF CAC CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN WLAN WLAN	8.09 8.12 8.21	± 9.6 % ± 9.6 %
10188 10189 10193 10194 10195	AAF CAC CAC CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.09 8.12 8.21 8.10	± 9.6 % ± 9.6 % ± 9.6 %
10188 10189 10193 10194 10195 10196	AAF CAC CAC CAC CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN WLAN WLAN	8.09 8.12 8.21	± 9.6 % ± 9.6 %

10220 CAC IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-OAM) WLAN 8.27 2.98.% 10221 CAC IEEE 802.11n (HT Mixed, 15 Mbps, 18-OAM) WLAN 8.27 2.98.% 10223 CAC IEEE 802.11n (HT Mixed, 15 Mbps, 18-OAM) WLAN 8.48 3.96.% 10224 CAC IEEE 802.11n (HT Mixed, 150 Mbps, 88-OAM) WLAN 8.48 3.96.% 10225 CAA LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 16-OAM) ITE-TDD 9.42 4.96.% 10226 CAA LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 16-OAM) ITE-TDD 9.22 4.96.% 10227 CAA LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 0PSG) ITE-TDD 9.22 4.96.% 10230 CAC LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 0PSG) ITE-TDD 9.24 4.96.% 10231 CAC LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 0PSG) ITE-TDD 9.24 4.96.% 10232 CAE LIEE 100 (SC-FDMA, 1 R8, 1.4 MHz, 0FSG) ITE-TDD 9.24 4.96.% 10232 CAE LIEE 100 (SC-FDMA, 1 R8, 1.0 MHz, 0FSG) ITE-TDD	40000			······•		
10222 CAC LEEE 802 11n (HT Mixed, 15 Mips, BP2N) WLAN 8.50 13.80 10223 CAC LEEE 802 11n (HT Mixed, 150 Mips, 16-CAM) WLAN 8.50 4.56 K 10224 CAC LEEE 802 11n (HT Mixed, 150 Mips, 16-CAM) WCONA 8.50 4.56 K 10225 CAA LTE-TDD (SC-FDMA, 1RB, 1.4 MHz, 16-CAM) LTE-TDD 9.40 4.56 K 10226 CAA LTE-TDD (SC-FDMA, 1RB, 1.4 MHz, 0PSK) LTE-TDD 9.42 5.66 K 10228 CAA LTE-TDD (SC-FDMA, 1RB, 3 MHz, 16-CAM) LTE-TDD 9.42 5.66 K 10228 CAA LTE-TDD (SC-FDMA, 1RB, 3 MHz, 0PSK) LTE-TDD 9.42 5.96 K 10231 CAC LTE-TDD (SC-FDMA, 1RB, 5 MHz, 0FAM) LTE-TDD 9.42 9.86 K 10232 CAF LTE-TDD (SC-FDMA, 1RB, 5 MHz, 0FAM) LTE-TDD 9.24 9.86 K 10234 CAF LTE-TDD (SC-FDMA, 1RB, 10 MHz, 0FSK) LTE-TDD 9.24 9.86 K 10235 CAF LTE-TDD (SC-FDMA, 1RB, 16 MHz, 0FAM) LTE-TDD 9.24	10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)			
19223 CAC LEEE 802.11n (HT Mixed, 20 Mbps, 16-CAM) WULAN 8.36 9.36 % 19224 CAC LEEE 802.11n (HT Mixed, 10 Mbps, 64-CAM) WUCDMA 8.36 9.36 % 19226 CAA LITE-TDD (SC-FDMA, 1.88, 1.4 MHz, 64-CAM) LITE-TDD 9.36 9.36 % 19227 CAA LITE-TDD (SC-FDMA, 1.88, 1.4 MHz, 64-CAM) LITE-TDD 9.36 9.36 % 19228 CAA LITE-TDD (SC-FDMA, 1.88, 1.4 MHz, 64-CAM) LITE-TDD 9.36 % 9.36 % 19228 CAC LITE-TDD (SC-FDMA, 1.88, 1.4 MHz, 64-CAM) LITE-TDD 10.26 % 4.36 % 19230 CAC LITE-TDD (SC-FDMA, 1.88, 1.MHz, 16-CAM) LITE-TDD 9.48 % 4.96 % 19231 CAC LITE-TDD (SC-FDMA, 1.88, MHz, 16-CAM) LITE-TDD 9.48 % 4.96 % 19232 CAF LITE-TDD (SC-FDMA, 1.88, MHz, 16-CAM) LITE-TDD 9.21 % 9.6 % 19234 CAF LITE-TDD (SC-FDMA, 1.88, 10 MHz, 64-CAM) LITE-TDD 9.24 % 9.6 % 19234 CAF LITE-TDD (SC-FDMA, 1.88, 10 MHz, 16-CAM)			IEEE 802.11n (H Mixed, 72.2 Mbps, 64-QAM)		8.27	
19224 CAC LEE 1926 CAL 1926 CAL 1926 CAL 1926 CAL 1926 CAL 1927 CAL 1928 CAL 1928 CAL 1928 CAL 1928 CAL 1127 1298			IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
19225 CAB UMCS-FDD (HSPA+) WCDMA 5.07 <td></td> <td></td> <td> IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)</td> <td></td> <td>8.48</td> <td></td>			IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)		8.48	
19220 CAA LTE-TDD CSC-FDMA 188 1.4 MHz 16-CAM0 LTE-TDD 10.28 28.06 % 19220 CAA LTE-TDD CSC-FDMA 188 1.4 MHz QPSKI LTE-TDD 0.28 28.06 % 19228 CAA LTE-TDD CSC-FDMA 188 3.4 MHz QPSKI LTE-TDD 0.28 29.6 % 19230 CAC LTE-TDD CSC-FDMA 188 3.4 MHz QPSKI LTE-TDD 0.48 29.6 % 19231 CAC LTE-TDD CSC-FDMA 188 3.4 MHz QPSKI LTE-TDD 9.48 29.6 % 19232 CAF LTE-TDD CSC-FDMA 188 3.4 MHz QPSKI LTE-TDD 9.48 49.6 % 19236 CAF LTE-TDD CSC-FDMA 188 0.448 49.6 % 11224 0.44 49.6 % 11224 0.46 49.6 % 11224 0.46 49.6 % 11224 0.46 49.6 % 11224 0.46 49.6 % <td></td> <td></td> <td></td> <td></td> <td>8.08</td> <td></td>					8.08	
Tuzze CAA LTE-TDD 9.49 ± 9.6 % Tuzzer CAA LTE-TDD 0.26 C+PDMA 1RE 1.4 MHz, 64-CAAM LTE-TDD 9.22 ± 9.6 % Tuzzer CAA LTE-TDD 0.26 C+PDMA 1RE 1.4 CAAM LTE-TDD 9.48 ± 9.6 % Tuzzer CAC LTE-TDD 0.27 CAC 1.4 S. MHz, 1.4 CAAM LTE-TDD 9.49 ± 9.6 % Tuzzer CAC LTE-TDD 0.52 C-PDMA 1.8 S. MHz, 1.4 CAAM LTE-TDD 9.48 ± 9.6 % Tuzzer CAF LTE-TDD 0.52 C-PDMA 1.8 S. MHz, 2.0 CAM LTE-TDD 9.48 ± 9.6 % Tuzzer CAF LTE-TDD 0.27 C-PDMA 1.8 S. MHz, 2.0 CAM LTE-TDD 9.48 ± 9.6 % Tuzzer CAF LTE-TDD 0.27 C-PDMA 1.8 S. MHz, 1.0 CAM LTE-TDD 9.21 ± 9.6 % Tuzzer LTE-TDD 0.26 C-PDMA, 1.8 S. MHZ, 1.0 CAM LTE-TDD 9.21 ± 9.6 % Tuzzer CAF LTE-TDD S.0 CAF				WCDMA	5.97	± 9.6 %
1222 CAA LTE-TDD 10.28 ± 9.6 % 1228 CAA LTE-TDD 9.22 ± 9.6 % 1228 CAC LTE-TDD 9.22 ± 9.6 % 1228 CAC LTE-TDD 0.26 ± 9.6 % 1230 CAC LTE-TDD 10.25 ± 9.6 % 1231 CAC LTE-TDD 10.25 ± 9.6 % 1232 CAF LTE-TDD 9.48 ± 9.6 % 1232 CAF LTE-TDD 9.48 ± 9.6 % 1232 CAF LTE-TDD 6.27 PMA, 1R8, 5 MHz, 0PSK) LTE-TDD 9.24 ± 9.6 % 1232 CAF LTE-TDD 6.26 C-PMA, 1R8, 10 MHz, 0PSK) LTE-TDD 9.24 ± 9.6 % 1233 CAF LTE-TDD 6.26 C-PMA, 1R8, 15 MHz, 0PSK) LTE-TDD 9.24 ± 9.6 % 1234 CAA LTE-TDD 6.26 C-PMA, 188, 15 MHz, 0PSK) LTE-TDD 9.48 ± 9.6 % 1242 CAA LTE-TDD 6.6 C-PMA, 50%, RB, 15 MHz, 0PSK) LTE-			LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10228 CAA LTE-TDD 9.22 19.6 % 10229 CAC LTE-TDD 10.25 19.6 % 10231 CAC LTE-TDD 10.25 19.6 % 10232 CAC LTE-TDD 10.25 19.6 % 10232 CAF LTE-TDD 10.25 19.6 % 10233 CAF LTE-TDD 10.25 19.6 % 10234 CAF LTE-TDD 10.25 19.6 % 10235 CAF LTE-TDD 10.25 19.6 % 10236 CAF LTE-TDD 10.25 19.6 % 10236 CAF LTE-TDD 10.25 19.6 % 10237 CAF LTE-TDD 10.25 19.6 % 10238 CAF LTE-TDD 10.25 19.6 % 10239 CAF LTE-TDD 10.25 19.6 % 10241 CAF LTE-TDD 18.6 MHz, 44-QAM) LTE-TDD 9.4 ±9.6 % 10242 CAA LTE-TDD 19.6 ±9.6 %			LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	
19229 CAC LTE-TDD 9.48 ± 9.6 % 19230 CAC LTE-TDD 10.25 ± 9.6 % 19231 CAC LTE-TDD 10.25 ± 9.6 % 19232 CAF LTE-TDD 10.26 ± 9.6 % 19232 CAF LTE-TDD 10.25 ± 9.6 % 19233 CAF LTE-TDD 10.26 ± 9.6 % 19234 CAF LTE-TDD 10.26 ± 9.6 % 19235 CAF LTE-TDD 10.26 ± 9.6 % 19236 CAF LTE-TDD 10.26 ± 9.6 % 19238 CAF LTE-TDD (SC-FDMA, 18R, 10 MHz, 46-QAM) LTE-TDD 9.04 ± 9.6 % 19240 CAF LTE-TDD (SC-FDMA, 18R, 10 MHz, 46-QAM) LTE-TDD 9.02 ± 9.6 % 19241 CAA LTE-TDD (SC-FDMA, 18R, 16 MHz, 16-QAM) LTE-TDD 9.02 ± 9.6 % 19242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 46-QAM) LTE-TDD 9.04 ± 9.6 % 19244 CAC			LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)			
10230 CAC LTE-TDD 10.26 ± 9.6 % 10231 CAC LTE-TDD 19.6 % 19.6 % 10232 CAF LTE-TDD 19.6 % 117.5 % 10232 CAF LTE-TDD 19.6 % 117.5 % 10234 CAF LTE-TDD 10.6 % 118.5 MHz, 40-CAM) 117.5 % 10235 CAF LTE-TDD 10.6 % 116.0 MHz, 00-CAM) 117.5 % 10236 CAF LTE-TDD 10.5 % 11.6 OAM) 117.5 % 11.9 % 10236 CAF LTE-TDD 10.5 % 11.6 OAM) 117.5 % 11.9 % 10237 CAF LTE-TDD 10.5 % 11.9 %			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)			
10231 CAC LTE-TOD 9.19 ± 9.6 % 10232 CAF LTE-TOD 9.64 ± 9.6 % 10233 CAF LTE-TOD 10.26 ± 9.6 % 10234 CAF LTE-TOD 10.26 ± 9.6 % 10235 CAF LTE-TOD 10.26 ± 9.6 % 10236 CAF LTE-TOD 10.26 ± 9.6 % 10236 CAF LTE-TOD 10.26 ± 9.6 % 10237 CAF LTE-TOD (SC-FDMA, 188, 10 MHz, de-OAM) LTE-TOD 9.21 ± 9.6 % 10238 CAF LTE-TDD (SC-FDMA, 188, 10 MHz, de-OAM) LTE-TDD 9.22 ± 9.6 % 10240 CAF LTE-TDD (SC-FDMA, 188, 10 MHz, de-OAM) LTE-TDD 9.22 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 60% RB, 14 MHz, G-GAM) LTE-TDD 9.46 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G-GAM) LTE-TDD 9.46 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G-GAM) LTE-TDD		CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD		
10232 CAF LTE-TDD (SC-FDMA, 1FB, 5 MHz, 64-CAM) LTE-TDD 10.25 ±9.6 % 10234 CAF LTE-TDD (SC-FDMA, 1FB, 5 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10235 CAF LTE-TDD (SC-FDMA, 1FB, 10 MHz, 16-CAM) LTE-TDD 10.25 ±9.6 % 10236 CAF LTE-TDD (SC-FDMA, 1FB, 10 MHz, 64-CAM) LTE-TDD 10.25 ±9.6 % 10237 CAF LTE-TDD (SC-FDMA, 1FB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10238 CAF LTE-TDD (SC-FDMA, 1FB, 10 MHz, 64-CAM) LTE-TDD 9.21 ±9.6 % 10240 CAF LTE-TDD (SC-FDMA, 1FB, 10 MHz, 64-CAM) LTE-TDD 9.22 ±9.6 % 10240 CAF LTE-TDD (SC-FDMA, 1FB, 15 MHz, 64-CAM) LTE-TDD 9.82 ±9.6 % 10241 CAA LTE-TDD (SC-FDMA, 69% RB, 14 MHz, 64-CAM) LTE-TDD 9.86 ±9.6 % 10242 CAA LTE-TDD (SC-FDMA, 69% RB, 14 MHz, 64-CAM) LTE-TDD 10.06 ±9.6 % 10244 CAC LTE-TDD (SC-FDMA, 69% RB, 5 MHz, 64-CAM) LTE-TDD 10.06 ±9.6 % 10244 CAF LTE-TDD (SC-FDMA, 69% RB, 5 MHz, 64-CAM) LTE-TDD 10.06 ±9.6 % 10245 CAF LTE-T		CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)			
10233 CAF LTE-TOD 10.25 ± 9.6 % 10234 CAF LTE-TOD 9.24 \$9.6 % 10236 CAF LTE-TOD 9.24 \$9.6 % 10236 CAF LTE-TOD 9.26 % LTE-TOD 9.48 ± 9.6 % 10237 CAF LTE-TOD ISC-FDMA, 18 N 10 MHz, 64-CAM) LTE-TOD 9.21 ± 9.6 % 10238 CAF LTE-TOD (SC-FDMA, 18 N, 15 MHz, 16-CAM) LTE-TOD 9.21 ± 9.6 % 10240 CAF LTE-TOD (SC-FDMA, 18 N, 15 MHz, 16-CAM) LTE-TOD 9.21 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-CAM) LTE-TOD 9.86 ± 9.8 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-CAM) LTE-TOD 9.86 ± 9.8 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM) LTE-TDD 9.06 ± 9.8 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM) LTE-TDD 10.06 ± 9.8 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB		CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)			
10234 CAF LIE-TDD 9.21 ±9.6 % 10235 CAF LIE-TDD 19.21 ±9.6 % 10236 CAF LIE-TDD 19.21 ±9.6 % 10237 CAF LIE-TDD 19.21 ±9.6 % 10238 CAF LIE-TDD 19.21 ±9.6 % 10239 CAF LIE-TDD 19.21 ±9.6 % 10239 CAF LIE-TDD 19.21 ±9.6 % 10240 CAF LIE-TDD 10.25 ±9.8 % 10241 CAA LIE-TDD 10.25 ±9.8 % 10242 CAA LIE-TDD 19.6 ±9.6 % ±9.8 % 10242 CAA LIE-TDD 10.6 ±9.6 % ±9.8 % 10243 CAA LIE-TDD 10.6 ±9.6 % ±9.8 % 10244 CAC LIE-TDD 10.6 ±9.6 % ±9.6 % 10245 CAC LIE-TDD 10.6 ±9.6 % ±9.6 % 10246 CAC LIE-TDD 10.6 ±9.6 % ±9.6 %	10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)			
19236 CAF LTE-TDD 9.46 ± 9.6 %, 19236 CAF LTE-TDD 10.25 ± 9.6 %, 19237 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-TDD 9.48 ± 9.6 %, 10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.48 ± 9.6 %, 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK) LTE-TDD 9.21 ± 9.6 %, 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 1 4 MHz, GPSK) LTE-TDD 9.82 ± 9.6 %, 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 1 4 MHz, GPSK) LTE-TDD 9.46 ± 9.6 %, 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-TDD 10.06 ± 9.6 %, 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-TDD 10.06 ± 9.6 %, 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-TDD 10.06 ± 9.6 %, 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-TDD 10.06 ± 9.6 %, 10246 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK) <t< td=""><td>10234</td><td>CAF</td><td>LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)</td><td></td><td></td><td></td></t<>	10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)			
19236 CAF LTE-TD0 1025 20.5 % 19237 CAF LTE-TD0 102.5 % 20.6 % 19238 CAF LTE-TD0 102.5 % 20.6 % 19238 CAF LTE-TD0 102.6 % 20.8 % 19239 CAF LTE-TD0 102.6 % 20.8 % 19240 CAF LTE-TD0 102.6 % 20.8 % 19241 CAA LTE-TD0 102.6 % 20.8 % 19242 CAA LTE-TD0 10.8 % 20.8 % 20.8 % 19243 CAA LTE-TD0 10.6 % 20.8 % <t< td=""><td>10235</td><td>CAF</td><td></td><td></td><td></td><td></td></t<>	10235	CAF				
10237 CAF LIE-TDD 9.21 ±9.6 % 10238 CAF LIE-TDD 9.271 ±9.6 % 10239 CAF LIE-TDD 10.25 ±9.6 % 10240 CAF LIE-TDD 10.25 ±9.6 % 10240 CAF LIE-TDD 9.21 ±9.6 % 10241 CAA LIE-TDD 10.25 ±9.6 % 10242 CAA LIE-TDD 10.26 ±9.6 % 10242 CAA LIE-TDD 10.26 ±9.6 % 10242 CAA LIE-TDD 10.26 ±9.6 % 10244 CAC LIE-TDD 10.26 ±9.6 % 10245 CAC LIE-TDD 10.26 ±9.6 % 10246 CAC LIE-TDD 10.26 ±9.6 % 10247 CAF LIE-TDD 10.26 ±9.6 % 10248 CAF LIE-TDD 10.6 ±9.6 % ±9.6 % 10250 CAF LIE-TDD 10.6 ±9.6 % ±9.6 %		CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	*****		
10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-OAM) LTE-TDD 9.48 ±9.6 % 10239 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 04-OAM) LTE-TDD 10.25 ±9.6 % 10240 CAF LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM) LTE-TDD 9.21 ±9.6 % 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM) LTE-TDD 9.86 ±9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM) LTE-TDD 9.46 ±9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 16-OAM) LTE-TDD 10.06 ±9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 0FSK) LTE-TDD 10.06 ±9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 0FSK) LTE-TDD 9.30 ±9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 0FSK) LTE-TDD 9.81 ±9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FSK) LTE-TDD 9.81 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FSK) LTE	10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK)			
10239 CAF LTE-TDD Solver LTB-TDD 10.700 L10.700 10240 CAF LTE-TDD ISC-FDMA, 1 RB, 15 MHz, QPSK) LTE-TDD 9.21 ±9.6 % 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G-QAM) LTE-TDD 9.82 ±9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G+QAM) LTE-TDD 9.86 ±9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G+QAM) LTE-TDD 9.46 ±9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, G+QAM) LTE-TDD 10.06 ±9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, G+QAM) LTE-TDD 9.30 ±9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.31 ±9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.01 ±9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.01 ±9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)		CAF	LTE-TDD (SC-FDMA_1 RB_15 MHz_16-OAM)	****		
10240 CAP LTE-TDD SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-TDD 9.21 ±0.6 % 10241 CAA LTE-TDD ISC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.82 ±0.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.86 ±9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 16-QAM) LTE-TDD 9.04 ±9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 16-QAM) LTE-TDD 10.06 ±9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 04-QAM) LTE-TDD 9.30 ±9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 04-QAM) LTE-TDD 9.01 ±9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 04-QAM) LTE-TDD 9.28 ±9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 9.81 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 9.04 ±9.6 % 10252 CAF LTE-TDD (SC-FDMA, 5			LTE-TDD (SC-EDMA 1 RB 15 MHz 64-0AM)			
10241 CAA LTE-TDD 9.82 ± 9.6 % 10242 CAA LTE-TDD 9.86 ± 9.6 % 10243 CAA LTE-TDD 9.86 ± 9.6 % 10244 CAC LTE-TDD 10.66 ± 9.6 % 10244 CAC LTE-TDD 10.66 ± 9.6 % 10246 CAC LTE-TDD 10.66 ± 9.6 % 10247 CAC LTE-TDD 10.60 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-TDD 9.30 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 6 MHz, 16-QAM) LTE-TDD 10.09 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.29 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.04 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LT			LTE-TDD (SC-EDMA 1 RB 15 MHz OPSK)			
10242 CAA LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.66 ±9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-TDD 9.46 ±9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-TDD 10.06 ±9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-TDD 9.30 ±9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.30 ±9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.20 ±9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.20 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 16 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10254 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD </td <td></td> <td></td> <td>LTE-TOD (SC-EDMA 50% BB 14 MHz 46.00MM)</td> <td></td> <td></td> <td></td>			LTE-TOD (SC-EDMA 50% BB 14 MHz 46.00MM)			
10243 CAA LTE-TDD 93.06 18.0 % 10244 CAC LTE-TDD 10.06 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 10.0 19.0 19.0 19.0 10.0 <		-	1 TE-TDD (SC-EDMA, 50% RD, 1.4 MHz, 10-QAM)			
10244 CAC LTE-TDD S0:0 RB, 3 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, G4-QAM) LTE-TDD 10.06 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ± 9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.81 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.14 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 18-QAM) LTE-TDD 9.04 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 46-QAM) LTE-TDD 9.04 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.04 ± 9.6 % 10266 CAA LTE-TDD (SC-FDMA,			TE-TOD (SC-FDMA 50% PP 4 4 MU- ODOK)			
10246 CAC LTE-TDD 10.06 ± 93.0 % 10246 CAC LTE-TDD (0.06 ± 93.0 % 10247 CAC LTE-TDD (0.06 ± 96.8 % 10248 CAF LTE-TDD (0.06 ± 96.8 % 10247 CAF LTE-TDD (0.06 ± 96.8 % 10248 CAF LTE-TDD (0.06 ± 96.8 % 10249 CAF LTE-TDD (0.07 ± 96.8 % 10250 CAF LTE-TDD (0.07 ± 96.8 % 10251 CAF LTE-TDD (0.07 ± 96.8 % 10252 CAF LTE-TDD (0.07 ± 96.8 % 10255 CAA LTE-TDD (0.07 RB.14.04Lz, 64-QAM) LTE-TDD 9.04 ± 96.8 % 10256 CAA LTE-TDD (0.07 RB.14.04Lz, 64-QAM) LTE-TDD 9.04 <			LTE-TOD (SO-FDWA, 50% RD, 1.4 WHZ, QPSK)			
10246 CAC LTE-TDD ISC TOM 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ±9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ±9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 40-QAM) LTE-TDD 9.29 ±9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-TDD 9.81 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ±9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10256 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.04 ±9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.04 ±9.6 %			LTE TOD (SC FOMA SOV DD SAML OF CAN			
10247 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-TDD 9.91 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 26-QAM) LTE-TDD 10.09 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 20-QAM) LTE-TDD 9.29 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.81 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) LTE-TDD 9.0 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) LTE-TDD 9.0 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 46-QAM) LTE-TDD 9.0 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 46-QAM) LTE-TDD 9.06 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 46-QAM) LTE-TDD 9.94 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM)<		*				
10248 CAF LTE-TDD 10.309 10.308 <td></td> <td>·</td> <td>LTE-TOD (SC-FDMA, 50% KB, 3 MHZ, QPSK)</td> <td></td> <td></td> <td></td>		·	LTE-TOD (SC-FDMA, 50% KB, 3 MHZ, QPSK)			
10249 CAF LTE-TDD SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.81 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.34 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.98 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK			LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)			
10250 CAF LTE-TDD SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.17 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.24 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.04 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.20 ± 9.6 % 10255 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.66 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.68 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 4PSK) LTE-TDD 9.34 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM) LTE-TDD 9.38 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100%			LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)			
10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.17 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.00 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.01 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.06 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.06 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 10.08 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0F2K) LTE-TDD 9.08 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10264 CAF			LTE-TUD (SC-FUMA, 50% RB, 5 MHz, QPSK)			
10252 CAF LTE-TDD S024 ±9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.90 ±9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.20 ±9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM) LTE-TDD 9.20 ±9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM) LTE-TDD 9.96 ±9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 0PSK) LTE-TDD 9.94 ±9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK) LTE-TDD 9.98 ±9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK) LTE-TDD 9.97 ±9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK) LTE-TDD 9.92 ±9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK) LTE-TDD 9.23 ±9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK) LTE-TDD 9.23 ±9.6 %			LIE-IDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)		9.81	
10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.0 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.0 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.24 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.26 ± 9.6	**************************************		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)			± 9.6 %
10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.94 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, 04-QAM) LTE-TDD 9.34 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3.0 Hz, 04-QAM) LTE-TDD 9.97 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3.0 Hz, 04-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5.0 Hz, 04-QAM) LTE-TDD 9.24 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5.0 Hz, 04-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 9.23 ± 9.6 %			LTE-TUD (SC-FDMA, 50% RB, 10 MHz, QPSK)		9.24	
10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 10.14 ± 9.6 % 10255 CAA LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.90 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 04-QAM) LTE-TDD 9.96 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 04-QAM) LTE-TDD 9.94 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.02 ± 9.6 % 10266		<u> </u>	LIE-IDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	
10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.98 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.83 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 10.16 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.07 ± 9.6 % 10266			LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	
10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.34 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 9.92 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 9.02 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.07 ± 9.6 % 10				LTE-TDD	9.20	
10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, G4-QAM) LTE-TDD 10.08 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.34 ± 9.6 % 10269 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.83 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.02 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.06 ± 9.6 % 10268			LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)			
10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10262 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.2 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.06 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.06 ± 9.6 % 10268			LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	
10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.98 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 9.02 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 10.07 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.06 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.06 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.13 ± 9.6 % 10272			LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	A	
10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 10.16 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274			LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)			
10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 3.96 ± 9.6 % 10275			LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)			
10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 10.16 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10277 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277			LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)		· · · · ·	
10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10276 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10277 CAA PHS (QPSK, BW 884MH		CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)			
10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ±9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ±9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ±9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ±9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 9.30 ±9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ±9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ±9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ±9.6 % 10275 CAA PHS (QPSK) PHS 11.81 ±9.6 % 10276 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ±9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ±9.6 % 10290 AAB CDMA2000, RC3, SO55, Full Rate		CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)			
10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10276 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18<		CAF				
10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full						
10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.			LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-OAM)			
10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10292 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % <td< td=""><td></td><td></td><td>LTE-TDD (SC-FDMA, 100% RB, 10 MHz, OPSK)</td><td></td><td></td><td></td></td<>			LTE-TDD (SC-FDMA, 100% RB, 10 MHz, OPSK)			
10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.05 13.0 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 9.6 % 10274 CAB UMTS-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 %			LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-04M)			
10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10293 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 %			LTE-TDD (SC-EDMA 100% RB 15 MHz 64-0AM)			
10274 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 %			LTE-TDD (SC-EDMA 100% RB 15 MHz OPSK)			
10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAB LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10277 CAA PHS (QPSK) 13.0						
10278 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAB LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % <td></td> <td></td> <td>PHS (OPSK)</td> <td></td> <td></td> <td></td>			PHS (OPSK)			
10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.38) PHS 12.18 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10292 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.46 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 9.6 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						
10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %						± 9.6 %
10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %			CUMA2000, RC1, SO3, 1/8th Rate 25 fr.		12.49	±9.6 %
10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %			LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD		and the second se
			LIE-FUD (SC-FDMA, 50% RB, 3 MHz, QPSK)		5.72	±9.6%
	10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

10200					
10300 10301	AAD AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301		IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302		IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	± 9.6 %
10303	AAA				
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10303	- MAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18		11.00	
10000		symbols)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18		44.40	
10001	1.000	symbols)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	1000
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WIMAX	14.40	± 9.6 % ± 9.6 %
		symbols)		14.00	± 9.0 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
		symbols)		10,01	1 2 0.0 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406 10410	AAB AAF	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10414	AAA	Subframe=2,3,4,7,8,9, Subframe Conf=4) WLAN CCDF, 64-QAM, 40MHz	- <u></u>	<u> </u>	
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Generic	8.54	±9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle)	WLAN WLAN	8.23	± 9.6 %
	,	Long preambule)	VVLAIN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8,19	± 9.6 %
		Short preambule)		0,19	19.0 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8,28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10447				1.00	
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6%

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WEAN	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8,56	± 9.6 %
		Subframe=2,3,4,7,8,9)			1
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	±96%
		Subframe=2,3,4,7,8,9)			
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6 %
		Subframe=2,3,4,7,8,9)			
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10.107	<u> </u>	Subframe=2,3,4,7,8,9)			
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40400		Subframe=2,3,4,7,8,9)			
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10469		Subframe=2,3,4,7,8,9)			
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10470	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL		7.00	1.0.0.0%
10470	AAC	Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL		0.00	
10471	MAE	Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	+0.0%
10412		Subframe=2,3,4,7,8,9)	LIE-IDD	0.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
				1.02	1 3.0 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.02	1 3.0 70
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)		0107	
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
40404		Subframe=2,3,4,7,8,9)			
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
40400		Subframe=2,3,4,7,8,9)			
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
10483	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL		0.00	1000
10400			LTE-TDD	8.39	±9.6 %
10484	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL		0.47	
10404		Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
10100	100	Subframe=2,3,4,7,8,9)		7.09	1 9.0 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.00	1 3.0 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.00	- 0.0 /0
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
		Subframe=2,3,4,7,8,9)			//
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	+06%
10402		Subframe=2,3,4,7,8,9)		8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10101		Subframe=2,3,4,7,8,9)			
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10495	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.57	1 5.0 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10.107		Subframe=2,3,4,7,8,9)			
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10498	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.40	1 3.0 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
10500	<u> </u>	Subframe=2,3,4,7,8,9)			
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.77	1 2.0 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	±9.6 %
10500		Subframe=2,3,4,7,8,9)			
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.01	10.0 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10506		Subframe=2,3,4,7,8,9)			
10000	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
		Subframe=2,3,4,7,8,9)			- 0.0 /
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10509	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL		7.00	1000
10003		Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.49	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.51	±9.6 %
10512	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10012	/ / / /	Subframe=2,3,4,7,8,9)		1.14	I9.0 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.42	±9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.45	±9.6 %
10515	AAA	Subframe=2,3,4,7,8,9) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6%
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520 10521	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN WLAN	8.12	<u>±9.6 %</u> ±9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	7.97	$\pm 9.6\%$
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6 %
10526 10527	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN MI AN	8.42	$\pm 9.6\%$
10527	AAB	IEEE 802.11ac WiFI (20MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.21 8.36	<u>±9.6 %</u> ±9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6%
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6%

10836 AAB IEEE 802.11 ac WIFI (40MHz, MCS1, 99pc duty cyde) WLAN 8.45 ± 9.6 % 10837 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.44 ± 9.6 % 10838 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.54 ± 9.6 % 10840 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.46 ± 9.6 % 10841 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.45 ± 9.6 % 10843 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.45 ± 9.6 % 10844 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.45 ± 9.6 % 10846 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.47 ± 9.6 % 10846 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.47 ± 9.6 % 10847 AAB IEEE 802.11 ac WIFI (40MHz, MCS3, 99pc duty cyde) WLAN 8.43 ± 9.6 % 108561 AAB
10537 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 %. 10588 AAB IEEE 802.11 ac WIFI (40WHz, MCS4, 99pc duty cycle) WLAN 8.54 ± 9.6 %. 10541 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 %. 10542 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10543 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10544 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10546 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10547 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10567 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10567 AAB IEEE 802.11 ac WIFI (40WHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 %. 10566
1038 AAB IEEE B02.11ac WIFI (40MHz, MCS4, 99pc duty cycle) WLAN 8.34 ± 9.6 %. 10340 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 %. 10341 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10342 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10344 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10344 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10346 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10346 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10355 AAB IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10556 AAC IEEE B02.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10556 A
1038 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10540 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10547 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10555 AAC
10540 AAB IEEE 802.11ac WIFI (40MHz, MCSG, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10541 AAB IEEE 802.11ac WIFI (40MHz, MCSG, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10543 AAB IEEE 802.11ac WIFI (40MHz, MCSG, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10544 AAB IEEE 802.11ac WIFI (40MHz, MCSG, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10556 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10553 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10555 AAC
10541 AAB IEEE 802.11ac WFF (40MHz, MCS7, 99pc duty cycle) WLAN 8.46 ± 9.6 %. 10542 AAB IEEE 802.11ac WFF (40MHz, MCS8, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10544 AAB IEEE 802.11ac WFF (40MHz, MCS1, 99pc duty cycle) WLAN 8.67 ± 9.6 %. 10544 AAB IEEE 802.11ac WFF (60MHz, MCS2, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10544 AAB IEEE 802.11ac WFF (60MHz, MCS2, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10547 AAB IEEE 802.11ac WFF (60MHz, MCS3, 99pc duty cycle) WLAN 8.37 ± 9.6 %. 10551 AAB IEEE 802.11ac WFF (60MHz, MCS3, 99pc duty cycle) WLAN 8.32 ± 9.6 %. 10552 AAB IEEE 802.11ac WFF (60MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10554 AAC IEEE 802.11ac WFF (60MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 %. 10556 AAC IEEE 802.11ac WFF (60MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10556 AAC
10542 AAB IEEE 802.11ac WFI (40MHz, MCS8, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10543 AAB IEEE 802.11ac WFI (40MHz, MCS9, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10544 AAB IEEE 802.11ac WFI (40MHz, MCS2, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10546 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10547 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.49 ± 9.6 %. 10546 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10546 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10556 AAC IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 %. 10555 AAC IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 %. 10556 AAC IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10556 AAC
10543 AAB IEEE 802.11ac WFI (40MHz, MCS9, 99bc duty cycle) WILAN 8.65 ± 9.6 %. 10544 AAB IEEE 802.11ac WFI (60MHz, MCS2, 99bc duty cycle) WILAN 8.47 ± 9.6 %. 10546 AAB IEEE 802.11ac WFI (60MHz, MCS2, 99bc duty cycle) WILAN 8.35 ± 9.6 %. 10547 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99bc duty cycle) WILAN 8.36 ± 9.6 %. 10550 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99bc duty cycle) WILAN 8.37 ± 9.6 %. 10551 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99bc duty cycle) WILAN 8.49 ± 9.6 %. 10552 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99bc duty cycle) WILAN 8.42 ± 9.6 %. 10553 AAB IEEE 802.11ac WFI (160MHz, MCS3, 99bc duty cycle) WILAN 8.45 ± 9.6 %. 10554 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99bc duty cycle) WILAN 8.45 ± 9.6 %. 10555 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99bc duty cycle) WILAN 8.50 ± 9.6 %. 10556 <
10544 AAB IEEE 802.11a WiF (80MHz, MCS0, 99pc duty cycle) WILAN 8.47 ± 9.6 % 10565 AAB IEEE 802.11ac WiF (80MHz, MCS2, 99pc duty cycle) WILAN 8.35 ± 9.6 % 10546 AAB IEEE 802.11ac WiF (80MHz, MCS2, 99pc duty cycle) WILAN 8.35 ± 9.6 % 10547 AAB IEEE 802.11ac WiF (80MHz, MCS3, 99pc duty cycle) WILAN 8.37 ± 9.6 % 10556 AAB IEEE 802.11ac WiF (80MHz, MCS6, 99pc duty cycle) WILAN 8.37 ± 9.6 % 10555 AAB IEEE 802.11ac WiF (80MHz, MCS6, 99pc duty cycle) WILAN 8.42 ± 9.6 % 10555 AAB IEEE 802.11ac WiF (160MHz, MCS3, 99pc duty cycle) WILAN 8.45 ± 9.6 % 10556 AAC IEEE 802.11ac WiF (160MHz, MCS3, 99pc duty cycle) WILAN 8.46 ± 9.6 % 10556 AAC IEEE 802.11ac WiF (160MHz, MCS3, 99pc duty cycle) WILAN 8.61 ± 9.6 % 10566 AAC IEEE 802.11a WiF (160MHz, MCS3, 99pc duty cycle) WILAN 8.61 ± 9.6 % 10566 AAC
10646 AAB IEEE 802.11ac WIFI (200H±z, MCS1, 99pc duty cycle) WLAN 8.65 ± 9.6 %. 10546 AAB IEEE 802.11ac WIFI (80M±z, MCS2, 99pc duty cycle) WLAN 8.36 ± 9.6 %. 10547 AAB IEEE 802.11ac WIFI (80M±z, MCS3, 99pc duty cycle) WLAN 8.37 ± 9.6 %. 10550 AAB IEEE 802.11ac WIFI (80M±z, MCS3, 99pc duty cycle) WLAN 8.38 ± 9.6 %. 10551 AAB IEEE 802.11ac WIFI (80M±z, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 %. 10552 AAB IEEE 802.11ac WIFI (80M±z, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 %. 10553 AAB IEEE 802.11ac WIFI (160M±z, MCS1, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10555 AAC IEEE 802.11ac WIFI (160M±z, MCS1, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10556 AAC IEEE 802.11ac WIFI (160M±z, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 %. 10557 AAC IEEE 802.11ac WIFI (160M±z, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 %. 10566
10546 AAB IEEE 802.11ac WFI (60MHz, MCS2, 99pc duty cycle) WLAN 8.35 ± 9.6 %. 10547 AAB IEEE 802.11ac WFI (60MHz, MCS4, 99pc duty cycle) WLAN 6.37 ± 9.6 %. 10548 AAB IEEE 802.11ac WFI (60MHz, MCS4, 99pc duty cycle) WLAN 8.37 ± 9.6 %. 10551 AAB IEEE 802.11ac WFI (60MHz, MCS9, 99pc duty cycle) WLAN 8.38 ± 9.6 %. 10553 AAB IEEE 802.11ac WFI (60MHz, MCS9, 99pc duty cycle) WLAN 8.42 ± 9.6 %. 10555 AAC IEEE 802.11ac WFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10555 AAC IEEE 802.11ac WFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10557 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10557 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.67 ± 9.6 %. 10566 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.73 ± 9.6 %. 10566 AAC </td
10547 AAB IEEE 802.11ac W/FI (80MHz, MCS3, 99pc duty cycle) WLAN 8.49 ± 9.6 %. 10550 AAB IEEE 802.11ac W/FI (80MHz, MCS6, 99pc duty cycle) WLAN 8.33 ± 9.6 %. 10551 AAB IEEE 802.11ac W/FI (80MHz, MCS7, 99pc duty cycle) WLAN 8.33 ± 9.6 %. 10552 AAB IEEE 802.11ac W/FI (80MHz, MCS9, 99pc duty cycle) WLAN 8.42 ± 9.6 %. 10554 AAC IEEE 802.11ac W/FI (80MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10555 AAC IEEE 802.11ac W/FI (80MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 %. 10556 AAC IEEE 802.11ac W/FI (160MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 %. 10556 AAC IEEE 802.11ac W/FI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 %. 10566 AAC IEEE 802.11ac W/FI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 %. 10566 AAC IEEE 802.11ac W/FI (160MHz, MCS9, 99pc duty cycle) WLAN 8.61 ± 9.6 %. 10566
10548 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc duty cycle) WLAN 8.51 ± 9.6 % 10568 AAC IEEE 802.11ac WIFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.51 ± 9.6 % 10564 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10564 AAC </td
10550 AAB IEEE 802.11ac WIFI (80MHz, MCSG, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10551 AAB IEEE 802.11ac WIFI (80MHz, MCSG, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10566 AAC IEEE 802.11ac WIFI (180MHz, MCS7, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10566 AAC IEEE 802.11ac WIFI (160MHz, MCS7, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10566 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10566 AAC<
10551 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10552 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10553 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10554 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10558 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10558 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10564 AAC IEEE 802.119 WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.61 ± 9.6 % 10566 <
10552 AAB IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10554 AAC IEEE 802.11ac WIFI (160MHz, MCS0, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10558 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.56 ± 9.6 % 10568 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10561 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10564 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.62 ± 9.6 % 10565 AAC IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mps, 99pc duty WLAN 8.72 ± 9.6 % 10566 <t< td=""></t<>
10553 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10554 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10555 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10556 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10558 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10562 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.15 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566<
10554 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duly cycle) WLAN 8.48 ± 9.6 % 10555 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duly cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duly cycle) WLAN 8.52 ± 9.6 % 10557 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duly cycle) WLAN 8.51 ± 9.6 % 10558 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duly cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duly cycle) WLAN 8.69 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duly cycle) WLAN 8.69 ± 9.6 % 10564 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duly WLAN 8.25 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duly WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duly WLAN 8.30 ± 9.6 % 10567<
10555 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10557 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10568 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.75 ± 9.6 % 10564 AAC IEEE 802.11g WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.43 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10568
10566 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) WILAN 8.50 ± 9.6 % 10557 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WILAN 8.52 ± 9.6 % 10568 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WILAN 8.73 ± 9.6 % 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WILAN 8.61 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WILAN 8.69 ± 9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WILAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WILAN 8.45 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WILAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WILAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WILAN 8.37 ± 9.6 %
10556 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10557 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10568 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10563 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.37 ± 9.6 %
10557 AAC IEEE 802.11ac WIF1 (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10558 AAC IEEE 802.11ac WIF1 (160MHz, MCS4, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WIF1 (160MHz, MCS6, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WIF1 (160MHz, MCS8, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10562 AAC IEEE 802.11ac WIF1 (160MHz, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10564 AAC IEEE 802.11ac WIF1 (24 GHz, MCS8, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WIF1 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WIF1 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 % <td< td=""></td<>
10588 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10564 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty wLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty wLAN 8.10 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty wLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty wLAN 8.10 ± 9.6 % 10568 AAA IEEE 802.11
10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duly cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duly cycle) WLAN 8.56 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duly cycle) WLAN 8.56 ± 9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duly cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1Mbps, 90pc duty cycle) WLAN 8.10 ± 9.6 %
10561 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle) WLAN 8.56 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.75 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 %
10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty
10563 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN
10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS. OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 0.5 Mbps, 90pc duty cycle)
cycle) ULAN E.E. 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 0 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFD
10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)
cycle) wiki 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty wLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty wLAN 8.00 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty wLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty wLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty wLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty wLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 0.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 %
10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) <t< td=""></t<>
cycle) vul vul 8.00 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 %
10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.6 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) <
cycle) Lie E 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi
10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN </td
cycle) Line 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10578 AAA IEEE 802.11g
10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 0FDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WL
cycle) wull and the state wull and the state wull and the state 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty wull and the state WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %
10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-0FDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN<
cycle) WLAN 1.99 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10579
10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA
10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA
10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty
10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) with 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty with 2.4 N 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) wiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty wLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
10577 AAA IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) WLAN 8.49 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
10578 AAA IÉEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) cycle) WLAN 8.76 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) United State State <thstate< th=""></thstate<>
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.6 %
cycle) view 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty WLAN 8.67 ± 9.6 %
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty WLAN 8.67 ± 9.6 % cycle)
10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 %
10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 %
10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 %

October 12, 2018

40500	1				
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	$\pm 9.6\%$ $\pm 9.6\%$
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN		
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.77	$\pm 9.6\%$
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, Sope duty cycle)		8.59	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN MI	8.82	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10620	AAB	IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB		WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFI (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WIFI (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
		IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WIFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WIFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WIFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WIFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.05	±9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	9.11 11.96	±9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	~**********	
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	11.96	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	3.45	$\pm 9.6\%$
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)		6.91	± 9.6 %
		<u></u>	LTE-TDD	7.42	±9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %

October 12, 2018

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	$\pm 9.6\%$
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	$\pm 9.6\%$
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	$\pm 9.6\%$
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	$\pm 9.6\%$
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	$\pm 9.6\%$

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

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





S

С

S

Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client PC Test

Certificate No: EUmmWV3-9407_Dec18/2

CALIBRATION CERTIFICATE (Replacement of No: EUmmWV3-9407_Dec18)

Object	EUmmWV3 - SN:9407
Calibration procedure(s)	QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2 Calibration procedure for E-field probes optimized for close near field evaluations in air
Calibration date:	December 7, 2018

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	04-Apr-18 (No. 217-02672/02673)	Арг-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ER3DV6	SN: 2328	09-Oct-18 (No. ER3-2328_Oct18)	Oct-19
DAE4	SN: 789	07-Aug-18 (No. DAE4-789_Aug18)	Aug-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	n-le
Approved by:	Katja Pokovic	Technical Manager	Elle
Pang a 100 10 /200 -			Issued: February 20, 2019
I his calibration certificate	e shall not be reproduced except in ful	without written approval of the labor	ratony

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

Glassan





Schweizerischer Kalibrierdienst

- S Service suisse d'étaionnage С
- Servizio svizzero di taratura S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Giussary.	
NORMx,y,z	sensitivity in free space
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 9	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 Sensor Angles k	information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization is the wave propagation direction

Calibration is Performed According to the Following Standards:

a) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005

Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization $\vartheta = 0$ for XY sensors and $\vartheta = 90$ for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- 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
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, Rp, inductance L and capacitors C, Cp).
- 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.
- Sensor Offset: The sensor offset corresponds to the mechanical 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).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k=2)
Norm $(\mu V/(V/m)^2)$	0.02306	0.02753	± 10.1 %
DCP (mV) ⁸	105.0	115.0	
Equivalent Sensor Angle	-58.5	31.3	

Calibration results for Frequency Response (750 MHz - 110 GHz)

Frequency GHz		Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.75	77.2	-0.18	0.36	± 0.43 dB
1.8	140.4	0.10	0.22	± 0.43 dB
2	133.0	0.10	0.17	± 0.43 dB
2.2	124.8	0.02	-0.01	± 0.43 dB
2.5	123.0	-0.05	-0.18	± 0.43 dB
3.5	256.2	0.10	-0.25	± 0.43 dB
3.7	249.8	0.15	-0.24	± 0.43 dB
6.6	41.8	0.55	0.41	± 0.98 dB
8	48.4	0.06	-0.24	± 0.98 dB
10	54.4	-0.04	-0.05	± 0.98 dB
15	71.5	0.53	-0.06	± 0.98 dB
18	85.3	-0.24	0.18	± 0.98 dB
26.6	96.9	-0.12	0.16	± 0.98 dB
30	92.6	0.09	0.19	± 0.98 dB
35	93.7	-0.34	-0.10	± 0.98 dB
40	91.5	-0.64	-0.52	± 0.98 dB
50	19.6	-0.05	0.05	
55	22.4	0.57	0.30	± 0.98 dB
60	23.0	0.01	-0.11	± 0.98 dB
65	27.4	-0.59	-0.30	± 0.98 dB
70	23.9	-0.36	-0.30	± 0.98 dB ± 0.98 dB
75	20.0	-0.28	-0.42	± 0.98 dB
75	14.8	0.03	0.22	+ 0.00 dp
80	22.5	0.23	0.32	± 0.98 dB
85	22.8	0.06	0.32	± 0.98 dB
90	23.8	-0.01	0.12	± 0.98 dB ± 0.98 dB
92	23.9	0.24	-0.03	± 0.98 dB
95	20.5	0.13	-0.14	± 0.98 dB
97	24.4	0.04	-0.19	± 0.98 dB
100	22.6	0.15	-0.13	± 0.98 dB
105	22.7	-0.19	-0.20	± 0.98 dB
110	19.7	-0.15	-0.20	± 0.98 dB

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%.

^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.

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	108.0	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		85.6		
10352-	Pulse Waveform (200Hz, 10%)	X	1.97	60.00	13.47	10.00	6.0	± 1.1 %	± 9.6 %
AAA		Y	2.54	60.00	13.53		6.0		
10353-	Pulse Waveform (200Hz, 20%)	X	1.29	60.00	12.43	6.99	12.0	± 1.1 %	± 9.6 %
AAA		Y	28.00	84.00	19.00		12.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.73	60.00	11.28	3.98	23.0	± 1.2 %	± 9.6 %
AAA		Y	0.89	60.00	11.74		23.0	1	
10355-	Pulse Waveform (200Hz, 60%)	X	0.43	60.00	10.58	2.22	27.0	± 1.1 %	± 9.6 %
AAA		Y	0.69	60.00	10.62		27.0	1	
10387-	QPSK Waveform, 1 MHz	X	1.23	60.00	5.65	0.00	22.0	± 1.1 %	± 9.6 %
AAA		Y	0.00	96.37	12.02		22.0	1	
10388-	QPSK Waveform, 10 MHz	Х	1.17	60.00	11.82	0.00	22.0	± 1.0 %	± 9,6 %
AAA		Y	1.56	60.00	11.24		22.0		
10396-	64-QAM Waveform, 100 kHz	X	2.08	61.53	14.15	3.01	17.0	± 0.7 %	± 9.6 %
AAA		Y	2.06	60.00	13.60		17.0		
10399-	64-QAM Waveform, 40 MHz	X	1.99	60.00	12.30	0.00	19.0	± 1.5 %	± 9.6 %
AAA		Y	2.40	60.00	12.02		19.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.00	60.00	12.75	0.00	12.0	± 1.2 %	± 9.6 %
AAA		Y	3.55	60.00	12.43		12.0	1	

Calibration Results for Modulation Response

Note: For details on all calibrated UID parameters see Appendix

Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
0.9	50.0	-0.01	-0.13	± 0.2 dB
0.9	100.0	0.01	0.05	± 0.2 dB
0.9	500.0	0.05	-0.01	± 0.2 dB
0.9	1000.0	0.07	0.01	± 0.2 dB
0.9	1500.0	0.05	0.01	± 0.2 dB
0.9	2000.0	0.00	0.01	± 0.2 dB

Sensor Frequency Model Parameters

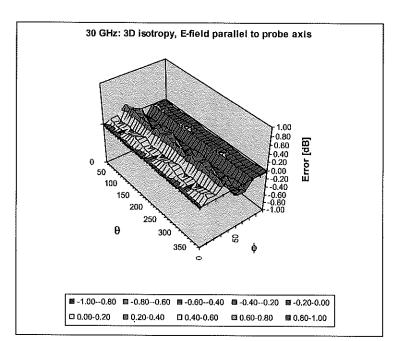
	Sensor X	Sensor Y
R (Ω)	41.52	42.76
R _p (Ω)	94.77	91.62
L (nH)	0.02912	0.03146
C (pF)	0.2597	0.2713
С _р (рF)	0.1361	0.1196

Sensor Model Parameters

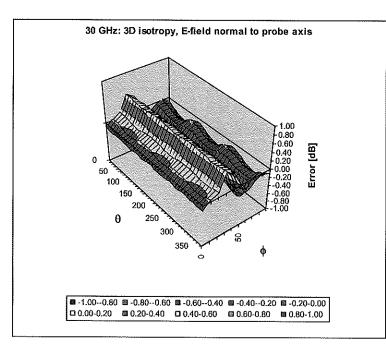
	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ^{−1}	T3 ms	T4 V ^{∽2}	T5 V ⁻¹	T6
X	31.8	224.82	32.11	0.92	3.62	4.98	0.00	1.03	1.01
Y	23.7	177.92	35.61	0.92	3.36	5.00	0.00	1.22	1.01

Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle (°)	201.4
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm



Deviation from Isotropy in Air



Probe isotropy for E_{tot} : probe rotated $\varphi = 0^{\circ}$ to 360°, tilted from field propagation direction \vec{k} Parallel to the field propagation ($\psi = 0^{\circ} - 90^{\circ}$): deviation within ± 0.33 dB Normal to field orientation ($\vartheta = 0^{\circ} - 90^{\circ}$): deviation within ± 0.53 dB

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	$\pm 9.6\%$
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.10	$\pm 9.6\%$
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS		± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	0.00	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	13.80	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)		10.79	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 MDps)	WLAN	2.83	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10069	CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 %
10005	CAB		WLAN	10.56	±9.6 %
10072	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 %
10075	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		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6 %
10081		CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082		IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6 %
	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6 %
0097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 %
0098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6%
0099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
0100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6 %
0101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
0102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
0103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
0104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6 %
0105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±96%
0108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

40400					
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9,92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	$\pm 9.6\%$
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6%
		IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN		±9.6%
10195	CAC			8.21	±9.6 %
10195		IEEE 802.11n (HT Mixed, 6.5 Mbns, RPSK)		040	+0001
10195 10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10195 10196 10197	CAC CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN WLAN	8.13	± 9.6 %
10195 10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN		

40000					
10220		IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6 %
10226		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)			
10241		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)		9.86	±9.6 %
10243		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	9.46	± 9.6 %
10244		LTE TDD (SC-FDIVIA, 50% RB, 3 MITZ, 10-QAIV)	LTE-TDD	10.06	± 9.6 %
10245		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6%
10249		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9,81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6%
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.00	± 9.6 %
10270	CAF	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		
10275	CAB	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.4)	WCDMA	4.87	$\pm 9.6\%$
10210	CAA	PHS (QPSK)		3.96	±9.6 %
10277		PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10277	CAA		PHS	11.81	±9.6 %
10278			1 DUO	40.40	
10278 10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10278 10279 10290	CAA AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6 %
10278 10279 10290 10291	CAA AAB AAB	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate	CDMA2000 CDMA2000	3.91 3.46	± 9.6 % ± 9.6 %
10278 10279 10290 10291 10292	CAA AAB AAB AAB	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate	CDMA2000 CDMA2000 CDMA2000	3.91 3.46 3.39	± 9.6 % ± 9.6 % ± 9.6 %
10278 10279 10290 10291 10292 10293	CAA AAB AAB AAB AAB	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	CDMA2000 CDMA2000 CDMA2000 CDMA2000	3.91 3.46 3.39 3.50	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10278 10279 10290 10291 10292 10293 10295	CAA AAB AAB AAB AAB AAB	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000 CDMA2000 CDMA2000 CDMA2000 CDMA2000	3.91 3.46 3.39 3.50 12.49	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10278 10279 10290 10291 10292 10293 10295 10297	CAA AAB AAB AAB AAB AAB AAD	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr. LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	CDMA2000 CDMA2000 CDMA2000 CDMA2000	3.91 3.46 3.39 3.50	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10278 10279 10290 10291 10292 10293 10295	CAA AAB AAB AAB AAB AAB	CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000 CDMA2000 CDMA2000 CDMA2000 CDMA2000	3.91 3.46 3.39 3.50 12.49	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %

10301 AAA IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) WIMAX 12.03 4.04 10302 AAA IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) WIMAX 12.52 19.6 % 10303 AAA IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) WIMAX 11.524 19.6 % 10304 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 WIMAX 11.624 19.6 % 10304 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 WIMAX 14.6 7 19.6 % 10306 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.4 9 19.6 % 10307 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, OPSK, PUSC, 18 WIMAX 14.58 19.6 % 10308 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.58 19.6 % 10308 AAA IEEE 802.16e WIMAX (29:14, 10ms, 10MHz, OPSK, AMC 2x3, 18 WIMAX 14.58 19.6 % 10308 AAA IEEE 802.16e WIMAX (29:16, 10ms, 10MHz, OPSK, AMC 2x3, 16 WIMAX 14.58 19.6 %	100					
10302 AAA IEEE 802-16e WIMAX (29:16, 5ms, 10MHz, 6QAM, PUSC) WIMAX 12.57 ±9.6 % 10303 AAA IEEE 802-16e WIMAX (21:15, 5ms, 10MHz, 6QAM, PUSC) WIMAX 11.86 ±9.6 % 10304 AAA IEEE 802-16e WIMAX (21:15, 5ms, 10MHz, 6QAM, PUSC, 15 WIMAX 11.86 ±9.6 % 10305 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 6QAM, PUSC, 16 WIMAX 14.67 ±9.6 % 10306 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 6QAM, PUSC, 16 WIMAX 14.49 ±9.6 % 10307 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC, 16 WIMAX 14.49 ±9.6 % 10308 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AUS (23, 18 WIMAX 14.67 ±9.6 % 10310 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AUS (23, 18 WIMAX 14.68 ±9.6 % 10311 AAA IEEE 802-16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AUS (23, 18 WIMAX 14.57 ±9.6 % 10311 AAA IEEE 802-16e WIMAX (29:16, 10ms, 10MHz, 142, QPSK, AMC 23, 18 WIMAX 14.58 ±9.6	10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)			
symbols Charles Boy Construction Constr					12.03	± 9.6 %
10303 AAA IEEE B02 169 WIMAX (21:15, 5ms, 10MHz, 64QAM, PUSC) WIMAX 11:86 10:90 10304 AAA IEEE B02 169 WIMAX (29:16, 5ms, 10MHz, 64QAM, PUSC, 15 WIMAX 11:86 10:90 10305 AAA IEEE B02 169 WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 WIMAX 14:67 ± 9.6 % 10306 AAA IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 10QRS, PUSC, 18 WIMAX 14:49 ± 9.6 % 10307 AAA IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14:46 ± 9.6 % 10309 AAA IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14:68 ± 9.6 % 10309 AAA IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14:68 ± 9.6 % 10310 AAA IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 0PSK) LEF EPD 0.606 ± 9.6 % 10311 AAD IEEE B02.169 WIMAX (29:18, 10ms, 10MHz, 0PSK) LEF EPD 1.60 ± 9.6 % 10311 AAA IDEN 11:3 IDEN 10:31 ± 9.6 % 10311 AAD IDEN 11:3 <	10302	AAA		Wimax	12.57	± 9.6 %
19304 AAA IEEE 802.169 WIMAX (29:16, 5ms, 10MHz, 64OAM, PUSC) WIMAX 11.6.6 15.9 19305 AAA IEEE 802.169 WIMAX (29:16, 10ms, 10MHz, 64OAM, PUSC, 15 WIMAX 11.6.7 19.6 % 19306 AAA IEEE 802.169 WIMAX (29:16, 10ms, 10MHz, 64OAM, PUSC, 18 WIMAX 11.4.67 19.6 % 19307 AAA IEEE 802.169 WIMAX (29:16, 10ms, 10MHz, 16OAM, PUSC) WIMAX 11.4.69 19.6 % 19308 AAA IEEE 802.169 WIMAX (29:16, 10ms, 10MHz, 16OAM, PUSC) WIMAX 14.4.68 19.6 % 19308 AAA IEEE 802.169 WIMAX (29:18, 10ms, 10MHz, 16OAM, AMC 2x3, 18 WIMAX 14.58 19.6 % 19308 AAA IEEE 802.169 WIMAX (29:18, 10ms, 10MHz, 0PSK, PUSC) WIMAX 14.65 19.6 % 19309 AAA IEEE 802.169 WIMAX (29:18, 10ms, 10MHz, 0PSK, AMC 2x3, 18 WIMAX 14.67 19.6 % 19313 AAA IEEE 802.110 WIF12.4 GHz (DSSS, 1 Mpps, 95pc duty cycle) WLAN 8.36 49.6 % 19314 AAA IEEE 802.110 WIF12.4 GHz (DSSS, 1 Mpps, 95pc duty cycle) WLAN 8.36 49.6 %	10303	ΔΔΔ		JAGS AA V	10.50	100%
10305 AAA IEEE 802:166 WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 WIMAX 15:24 29.6 % 10306 AAA IEEE 802:166 WIMAX (29:18, 10ms, 10MHz, 0PSK, PUSC, 18 WIMAX 14.67 2.9.6 % 10307 AAA IEEE 802:166 WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.49 2.9.6 % 10308 AAA IEEE 802:166 WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.46 1.9.6 % 10309 AAA IEEE 802:166 WIMAX (29:18, 10ms, 10MHz, OPSK, MC 2x3, 18 WIMAX 14.57 2.9.6 % 10310 AAA IEEE 802:166 WIMAX (29:16, 10ms, 10MHz, OPSK, MC 2x3, 18 WIMAX 14.57 2.9.6 % 10311 AAA IEEE 802:115 WIFI 2.4 CHz (DSSS, 1Mbps, 96pc duty cycle) WLAN 1.7.7 2.9.6 % 10314 AAA IEEE 802:115 WIFI 2.4 CHz (DSSS, 1Mbps, 96pc duty cycle) WLAN 8.36 2.9.6 % 10312 AAA IEEE 802:115 WIFI 2.4 CHz (DSSS, 1Mbps, 96pc duty cycle) WLAN 8.36 9.8.6 % 10314 AAA IEEE 802:116 WIFI 6:04:2 (OPM, 6 Mbps, 96pc duty cycle) WLAN 8.36 9						
symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 WIMAX 14.67 ± 9.6 % 10307 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC, 18 WIMAX 14.49 ± 9.6 % 10308 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.49 ± 9.6 % 10308 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.58 ± 9.6 % 10309 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % 10311 AAA IDEN 10.5 IDEN 10.51 + 9.6 % 10313 AAA IDEN 13 IDEN 10.51 + 9.6 % 10314 AAA IDEN 13 IDEN 11.74 + 9.6 % 10315 AAB IEEE 802.110 WIFI 2.4 GHz (DENS 5, 1Mbps, 96pc duty cycle) WIAN 8.38 + 9.8 % 10314 AAA IEEE 802.1110 WIFI 2.4 GHz (DENS 6, 1Mbps, 96pc duty cycle) WIAN 8.38 + 9.8 % 10315 AAB IEEE 802.1110 WIFI 2.4 GHz (DENS 6, 1Mbps, 96pc duty cycle)						
10306 AAA LiEEE 802.16e WIMAX (2918, 10ms, 10MHz, QPSK, PUSC, 18 WIMAX 14.67 ± 9.6 % symbols) 10307 AAA LIEEE 802.16e WIMAX (2918, 10ms, 10MHz, QPSK, PUSC, 18 WIMAX 14.49 ± 9.6 % symbols) 10309 AAA LIEEE 802.16e WIMAX (2918, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.46 ± 9.6 % symbols) 10310 AAA LIEEE 802.16e WIMAX (2918, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 % symbols) 10311 AAA DEN 13 DEN 10.51 ± 9.6 % symbols) UEEF 802.119 WIF 2.4 GHz (DPSK) UEE 802.119 WIF 2.4 GHz (DPC M, 6 Mpps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10311 AAA DEN 1.3 UEEF 802.119 WIF 2.4 GHz (DPSK), 5 Mpps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAB LEEE 802.119 WIF 2.4 GHz (DPSK), 5 Mpps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10351 AAA LEEE 802.119 WIF 2.4 GHz (DPSK), 5 Mpps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10352	10303			VVIIVIAX	15.24	± 9.6 %
symbols) IEEE 802,16e WMAX (20:16, 10ms, 10MHz, QPSK, PUSC, 16 WMAX 14.49 ± 9.6 % 10308 AAA IEEE 802,16e WMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WMAX 14.46 ± 9.6 % 10309 AAA IEEE 802,16e WMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 WMAX 14.56 ± 9.6 % 10310 AAA IEEE 802,16e WMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WMAX 14.57 ± 9.6 % 10311 AAA IDEN 1.3 IDEN 1.0.51 ± 9.6 % 10313 AA IDEN 1.3 IDEN 1.3 IDEN 1.3 IDEN 1.3 10.51 ± 9.6 % 10316 AAB IEEE 802,11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 1.71 ± 9.6 % 10317 AAC IEEE 802,11b WIFI 2.4 GHz (DCSS), 1 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAB IEEE 802,11b WIFI 2.4 GHz (DCSS), 1 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10327 AAA Pulse Wareform, 200Hz, 20% Generic 0.398 ± 9.6 % 10333 AAA Pulse Ware	10306	AAA		WIMAX	14 67	+96%
10307 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MH2, IG2MA, PUSC) WIMAX 14.49 ± 9.6 % 10308 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MH2, IG2AM, PUSC) WIMAX 14.58 ± 9.6 % 10309 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MH2, IG2AM, AMC 2x3, 18 WIMAX 14.58 ± 9.6 % 10310 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MH2, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.8 % 10311 AAA IDEEN 10.51 ± 9.6 % IDEN 13.4 # ± 9.8 % 10314 AAA IDEN 13 IDEN 13.4 # ± 9.8 % 10315 AAB IEEE 802.11 WIFI 2.4 GHz (DSSS, 1Mbps, 96pc duty cycle) WLAN 8.36 ± 9.8 % 10316 AAB IEEE 802.11 a WIFI 2.4 GHz (DFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.8 % 10322 AAA Pulse Waveform (2004z, 20%) Generic 6.99 ± 9.8 % 10335 AAA Pulse Waveform (2004z, 20%) Generic 6.22 ± 9.6 % 10356 AAA Pulse Waveform (2004z, 20%)						
10308 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) WIMAX 14.46 ± 9.6 %, 10309 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.58 ± 9.6 %, 10310 AAA IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WIMAX 14.57 ± 9.6 %, 10311 AAD LIEE FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LIEE FDD 6.06 ± 9.6 %, 10313 AAA DEN 1.6 IDEN 10.51 ± 9.6 %, 10314 AAA DEN 1.6 IDEN 13.44 ± 9.6 %, 10315 AAB IEEE 802.119 WIF12.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 %, 10317 AAC IEEE 802.119 WIF12.4 GPC/EDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 %, 10333 AAA Pulse Waveform (200Hz, 40%) Generic 5.22 ± 9.6 %, 10365 AAA Pulse Waveform, 100 HHz Generic 5.27 ± 9.6 %, 10384 AAA OPSK Waveform, 100 Hz Generic 5.	10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	± 9.6 %
10309 AAA IEEE 802.16e WiNAX (28:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) WINAX 14.58 ± 9.6 % symbols) 10310 AAA IEEE 802.16e WiNAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) WINAX 14.57 ± 9.6 % 10311 AAD LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-FDD 6.06 ± 9.6 % 10313 AAA IDEN 1.3 IDEN 10.51 ± 9.6 % 10314 AAA IDEN 1.3 IDEN 13.44 ± 9.6 % 10315 AAB IEEE 802.119 WIF12.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10317 AAC IEEE 802.119 WIF12.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10322 AAA Pulse Waveform (200Hz, 20%) Generic 6.09 ± 9.6 % 10334 AAA Pulse Waveform (200Hz, 80%) Generic 5.10 ± 9.6 % 10345 AAA Pulse Waveform (10Hz Generic 5.22 ± 9.6 % 10354 AAA Pulse Waveform (10Hz Generic 5.22	10308	ΔΔΔ			11.46	+06%
symbols Finde <						
10310 AAA LEEE 802.16 e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 WiMAX 14.57 ± 9.6 % 10311 AAD LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-FDD 6.06 ± 9.6 % 10313 AAA IDEN 13.3 IDEN 13.48 ± 9.6 % 10314 AAA IDEN 13.48 ± 9.6 % 10315 AAB IEEE 802.11g WIF1 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAB IEEE 802.11g WIF1 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10317 AAC IEEE 802.11g WIF1 2.4 GHz (DFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ± 9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 5.10 ± 9.6 % 10386 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10386 AAA GPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10386 A	10000	1000	symbols)	VVIIVIAA	14.50	I 9.0 %
10311 AAD LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-FDD 6.06 ± 9.6 % 10313 AAA IDEN 13. IDEN 10.51 ± 9.6 % 10314 AAA IDEN 13. IDEN 13.48 ± 9.6 % 10315 AAB IEEE 802.11g WIF1 2.4 GHz (DESS, 1 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAB IEEE 802.11g WIF1 2.4 GHz (DENM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10321 AAA Pulse Waveform (200Hz, 10%) Generic 6.99 ± 9.6 % 10352 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 5.10 ± 9.6 % 10364 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10386 AAA QPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10386 AAA QPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10400	10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	±9.6 %
10313 AAA IDEN 1:3 IDEN 1:3 IDEN 10.51 2.9.6 % 10314 AAB IEEE 802.11b WIF 1:4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 1.7.1 ± 9.6 % 10315 AAB IEEE 802.11g WIF 1:2 GHz (GFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10316 AAC IEEE 802.11g WIF 1:2 GHZ (GFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10325 AAA Pulse Waveform (200Hz, 10%) Generic 0.99 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 0.97 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 40%) Generic 0.97 ± 9.6 % 10386 AAA Pulse Waveform, 100 Hriz Generic 6.27 ± 9.6 % 10386 AAA 64-QAM Waveform, 100 Hriz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 Hriz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WIF (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.37	10311				0.00	
10315 AAA IDEN 13.48 ± 9.6 % 10315 AAB IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 1.71 ± 9.6 % 10316 AAB IEEE 802.11g WiFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10317 AAC IEEE 802.11g WiFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 1.9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 2.92 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 60%) Generic 0.97 ± 9.6 % 10356 AAA Pulse Waveform, 10 MHz Generic 6.27 ± 9.6 % 10386 AAA 04-GAM Waveform, 10 MHz Generic 6.27 ± 9.6 % 10396 AAA 64-GAM Waveform, 10 MHz Generic 6.27 ± 9.6 % 10401 AAD IEEE 802.11ac WiFi (20MHz, 64-CAM, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10404 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10315 AAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 1.71 ± 9.6 % 10316 AAB IEEE 802.11a WiFi 2.4 GHz (CRP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10317 AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10352 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 20%) Generic 2.22 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 40%) Generic 0.27 ± 9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 6.27 ± 9.6 % 10386 AAA QPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WiF (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ± 9.6 % 10404 AAB CDMA2000 3.77 ± 9.6 % 10402						
10316 AAB IEEE 802.11g WiFI 2.4 CHz (CFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10317 AAC IEEE 802.11a WiFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 ± 9.6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 6.99 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 2.92 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 80%) Generic 2.92 ± 9.6 % 10356 AAA Pulse Waveform (200Hz, 80%) Generic 5.22 ± 9.6 % 10358 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10398 AAA 64-GAM Waveform, 100 Hz Generic 6.27 ± 9.6 % 10399 AAA 64-GAM Waveform, 100 Hz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11a WiFI (40MHz, 64-GAM, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.76 ± 9.6 % <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10317 AAC IEEE 802.11a WiFi 5 GHz (OFDM, § Mbps, 96pc duty cycle) WLAN 8.36 ± 9,6 % 10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00 ± 9,6 % 10354 AAA Pulse Waveform (200Hz, 20%) Generic 3.98 ± 9,6 % 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 ± 9,6 % 10355 AAA OPIsK Waveform, 10 MHz Generic 5.22 ± 9,6 % 10386 AAA OPSK Waveform, 100 Htz Generic 5.22 ± 9,6 % 10387 AAA Generic 6.27 ± 9,6 % 10388 AAA QPSK Waveform, 100 Htz Generic 6.27 ± 9,6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9,6 % 10401 AAD IEEE 802.11ac WiFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.33 ± 9,6 % 10402 AAD IEEE 802.11ac WiFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9,6 % 10404 AAB			IEEE 002.110 WIFI 2.4 GHZ (DSSS, 1 Mbps, 96pc duty cycle)			
10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00 ± 9.6 % 10353 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 2.22 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 ± 9.6 % 10356 AAA Pulse Waveform (200Hz, 60%) Generic 5.22 ± 9.6 % 10387 AAA OPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10388 AAA GPSK Waveform, 100 HHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 HHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10401 AAD IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10444			TEEE 602.11g WIFI 2.4 GHZ (EKP-OFDIM, 6 Mbps, 96pc duty cycle)			
10353 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 ± 9.6 % 10354 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 ± 9.6 % 10365 AAA QPSK Waveform, 10 MHz Generic 5.10 ± 9.6 % 10388 AAA QPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 10 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10401 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10414 AAA ULAN 8.53 ± 9.6 % Subfarme=2,3,4,7,8,9, Subframe conf=4) 1.66 % <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10354 AAA Pulse Waveform (200Hz, 60%) Generic 3.98 ± 9.6 % 10355 AAA Pulse Waveform (200Hz, 60%) Generic 0.97 ± 9.6 % 10386 AAA QPISK Waveform, 10 MHz Generic 6.22 ± 9.6 % 10388 AAA QPSK Waveform, 10 MHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 KHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 602.11ac WIF (20MHz, 64-QAM, 9pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 602.11ac WIF (20MHz, 64-QAM, 9pc duty cycle) WLAN 8.63 ± 9.6 % 10402 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10414 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.72 ± 9.6 % 10415						
10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 ± 9.6 % 10366 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 ± 9.6 % 10387 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10388 AAA 64-OAM Waveform, 10 MHz Generic 6.27 ± 9.6 % 10399 AAA 64-OAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 602.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10401 AAD IEEE 802.11ac WIFI (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10402 AAD IEEE 802.11ac WIFI (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10414 AAA WLAN CDCD, 84-QAM, 40MHz CDMA2000 5.22 ± 9.6 %						
10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 ± 9.6 % 10387 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10386 AAA QPSK Waveform, 100 MHz Generic 6.227 ± 9.6 % 10399 AAA 64-QAM Waveform, 100 KHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 90pc duty cycle) WLAN 8.63 ± 9.6 % 10402 AAD IEEE 802.11ac WiFi (80MHz, 64-QAM, 90pc duty cycle) WLAN 8.63 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.72 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.72 ± 9.6 % 10414 AAA ICEE 802.110 WiF12.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10387 AAA QPSK Waveform, 1 MHz Generic 5.10 ± 9.6 % 10388 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10399 AAA 64-QAM Waveform, 10 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10402 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, DSK, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA IEEE 802.119 WIFI 2.4 GHz (DSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10416 AAA IEEE 802.119 WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN						
10388 AAA QPSK Waveform, 10 MHz Generic 5.22 ± 9.6 % 10399 AAA 64-QAM Waveform, 10 KHz Generic 6.27 ± 9.6 % 10309 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ± 9.6 % 10402 AAD IEEE 802.11ac WFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 5.22 ± 9.6 % 10414 AAA CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 5.22 ± 9.6 % 10415 AAA IEEE 802.116 WH12.4 GHz (DSSS, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA IEEE 802.119 WH12.4 GHz (DSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6		<u> </u>				
10396 AAA 64-QAM Waveform, 100 kHz Generic 6.27 ± 9.6 % 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ± 9.6 % 10402 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA IEEE 802.119 WiF1 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10415 AAA IEEE 802.119 WiF1 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.119 (WiF1 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc						
10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 ± 9.6 % 10400 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10401 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 ± 9.6 % 10402 AAD IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10402 AAB CDMA2000 (1KEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1KEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10404 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10416 AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA IEEE 802.119 WIFI 2.4 GHz (DSS3, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10415 AAA IEEE 802.119 WIFI 2.4 GHz (DSS3-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.119 WIFI 2.4 GHz (DSS3-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 %				Generic	5.22	
10400 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 19.6 % 10401 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 19.6 % 10402 AAD IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 ± 9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 5.22 ± 9.6 % 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10411 AAA WLAN R.54 ± 9.6 % 10415 AAA IEEE 802.11g WiF1 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10414 AAA IEEE 802.11g WiF1 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10415 AAA IEEE 802.11g WiF1 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14				Generic	6.27	± 9.6 %
10401 AAD IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 ± 9.6 % 10402 AAD IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 ± 9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10406 AAB CDMA2000, RC3, S032, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.119 WiF12.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.119 WiF12.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.119 WiF12.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10422 AAB IEEE 802.111 (HT Greenfield,				Generic	6.27	±9.6 %
10402 AAD IEEE 802.11ac WiFI (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 ± 9.6 % 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 ± 9.6 % 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10418 AAA IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.14 ± 9.6 % 10418 AAA IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-Q				WLAN	8.37	±9.6 %
10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 ± 9.6 % 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ± 9.6 % 10406 AAB CDMA2000, RC3, S032, SCHO, Full Rate CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL LTE-TDD T.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, B				WLAN	8.60	±9.6 %
10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 ± 9.6 % 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.116 WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10424				WLAN	8.53	
10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 ± 9.6 % 10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % <		AAB		CDMA2000	3.76	± 9.6 %
10410 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 ± 9.6 % 10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 16-QAM) WLAN 8.40 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 ± 9.				CDMA2000	3.77	±9.6 %
Subframe=2,3,4,7,8,9, Subframe Conf=4) Image: Conf_Start Start				CDMA2000	5.22	±9.6 %
10414 AAA WLAN CCDF, 64-QAM, 40MHz Generic 8.54 ± 9.6 % 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle), Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle), Short preambule) WLAN 8.14 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % <	10410	AAF		LTE-TDD	7.82	± 9.6 %
10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 ± 9.6 % 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11g WiFi 2.4 GHz (DFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle), Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle), Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps,	10414	AAA		Generic	8 54	+96%
10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10417 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 %						
10417 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 ± 9.6 % 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAC LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34						
10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 ± 9.6 % 10422 AAB IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 ± 9.6 % 10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10420 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 6 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAC LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 %			IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,			
10422AABIEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)WLAN8.32± 9.6 %10423AABIEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)WLAN8.47± 9.6 %10424AABIEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)WLAN8.40± 9.6 %10425AABIEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)WLAN8.41± 9.6 %10426AABIEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)WLAN8.41± 9.6 %10427AABIEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)WLAN8.41± 9.6 %10427AABIEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)WLAN8.41± 9.6 %10430AADLTE-FDD (OFDMA, 5 MHz, E-TM 3.1)LTE-FDD8.28± 9.6 %10431AADLTE-FDD (OFDMA, 10 MHz, E-TM 3.1)LTE-FDD8.34± 9.6 %10432AACLTE-FDD (OFDMA, 15 MHz, E-TM 3.1)LTE-FDD8.34± 9.6 %10433AACLTE-FDD (OFDMA, 20 MHz, E-TM 3.1)LTE-FDD8.34± 9.6 %10434AAAW-CDMA (BS Test Model 1, 64 DPCH)WCDMA8.60± 9.6 %10435AAFLTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)LTE-FDD7.56± 9.6 %10448AADLTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)LTE-FDD7.53± 9.6 %10449AACLTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)LTE-FDD7.51± 9.6 %	10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
10423 AAB IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 ± 9.6 % 10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-FD	10422	AAB		WLAN	8.32	+96%
10424 AAB IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 ± 9.6 % 10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-FDD (OFDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)						
10425 AAB IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 ± 9.6 % 10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)						
10426 AAB IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 ± 9.6 % 10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)						
10427 AAB IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ± 9.6 % 10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %						
10430 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 ± 9.6 % 10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %						
10431 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ± 9.6 % 10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %						
10432 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %						
10433 AAC LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ± 9.6 % 10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %					1	
10434 AAA W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ± 9.6 % 10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %		******			£	
10435 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %				*****************		
Subframe=2,3,4,7,8,9) LTE-FDD 7.56 ± 9.6 % 10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ± 9.6 %		<u></u>				
10447 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ± 9.6 % 10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.51 ± 9.6 %	10435	AAF		LTE-TDD	7.82	±9.6 %
10448 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ± 9.6 % 10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.51 ± 9.6 %	10447	AAD		LTE-FDD	7,56	±9.6%
10449 AAC LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 ± 9.6 %						
	10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458		CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459		CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460 10461		UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10467	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.0.4,7,0,0)	LTE-TDD	7.82	± 9.6 %
10468	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10469	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10470	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10471	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10472	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10474	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10475	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10477	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10478	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10479	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	±9.6 %
10480	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10481	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL			[
10482	AAB	LTE-TDD (304 DMA, 30% RB, 7.4 MHz, 04-QAM, 02 Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9,6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

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

10556 AAB IEEE 802.11ac WFI (40MHz, MCS2, 99pc duty cycle) WLAN 8.32 ± 9.6 % 10557 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10538 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10543 AAB IEEE 802.11ac WFI (40MHz, MCS8, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10543 AAB IEEE 802.11ac WFI (40MHz, MCS8, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS8, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10545 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10546 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10546 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10546 AAB <td< th=""><th><u>.</u></th><th>·</th><th></th><th></th><th></th><th></th></td<>	<u>.</u>	·				
10583 AAB LEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10587 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10587 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10540 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10541 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (40MHz, MCS3, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10544 AAB IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10555 AAC <t< td=""><td>10535</td><td>AAB</td><td>IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)</td><td>WLAN</td><td>8 45</td><td>+96%</td></t<>	10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8 45	+96%
10637 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10588 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.54 ± 9.6 % 10541 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10542 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10544 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10544 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10546 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10547 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10552 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10552 AAB IEEE B02.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10552 AAB		AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)			
10583 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) WLAN 8.39 4.9.6 % 10640 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 99pc duty cycle) WLAN 8.46 4.9.6 % 10641 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10642 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10544 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.67 ± 9.6 % 10544 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10544 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10544 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10555 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10555 AAC IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle) WLAN 8.40 ± 9.6 % 10555 AAC		AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)		*********	***
10640 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.34 4.9.6 % 10641 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.46 4.9.6 % 10543 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.465 4.9.6 % 10544 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.465 4.9.6 % 10545 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.45 4.9.6 % 10546 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10547 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.33 ± 9.6 % 10551 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.34 ± 9.6 % 10552 AAB IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WiFi (40MHz, MCSR, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10555 AAC		AAB	IEEE 802.11ac WIFi (40MHz, MCS4, 99pc duty cycle)			
10541 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 990c duty cycle) WLAN 8.46 ± 9.6 %. 10542 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 990c duty cycle). WLAN 8.67 ± 9.6 %. 10544 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 990c duty cycle). WLAN 8.47 ± 9.6 %. 10544 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 990c duty cycle). WLAN 8.35 ± 9.6 %. 10544 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 390c duty cycle). WLAN 8.35 ± 9.6 %. 10544 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 390c duty cycle). WLAN 8.35 ± 9.6 %. 10546 AAB IEEE 802.11ac WiFi (40M+tz, MCSR, 390c duty cycle). WLAN 8.33 ± 9.6 %. 10555 AAC IEEE 802.11ac WiFi (40M+tz, MCSR, 390c duty cycle). WLAN 8.42 ± 9.6 %. 10555 AAC IEEE 802.11ac WiFI (40M+tz, MCSR, 390c duty cycle). WLAN 8.42 ± 9.6 %. 10556 AAC IEEE 802.11ac WiFI (40M+tz, MCSR, 390c duty cycle). WLAN 8.42 ± 9.6 %. 1055		AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)		······································	
10842 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 99pc duty cycle) WLAN 6.65 ± 9.0 % 10843 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle) WLAN 6.65 ± 9.0 % 10945 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.55 ± 9.0 % 10946 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.45 ± 9.0 % 10954 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.49 ± 9.0 % 10954 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.49 ± 9.0 % 10955 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.42 ± 9.0 % 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc duty cycle) WLAN 6.42 ± 9.0 % 10554 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 6.42 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc duty cycle) WLAN 6.62 ± 9.6 % 10556 10556 <td>10541</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)</td> <td></td> <td></td> <td></td>	10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)			
10544 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99c duty cycle) WLAN 8.47 ± 9.6 % 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99c duty cycle) WLAN 8.47 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.35 ± 9.6 % 10547 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.37 ± 9.6 % 10548 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.37 ± 9.6 % 10553 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.42 ± 9.6 % 10554 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.42 ± 9.6 % 10554 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.42 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.42 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS3, 99c duty cycle) WLAN 8.52 ± 9.6 % 10556 AAC <te< td=""><td>10542</td><td>AAB</td><td>IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)</td><td></td><td></td><td></td></te<>	10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)			
10545 AAB IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle) WLAN 6.47 ± 9.6 % 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle) WLAN 6.85 ± 9.6 % 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.46 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle) WLAN 8.43 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 90pc duty cycle) WLAN 8.42 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 90pc duty cycle) WLAN 8.42 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 90pc duty cycle) WLAN 8.52 ± 9.6 % 10556 AAC <td>10543</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)</td> <td></td> <td></td> <td></td>	10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)			
10956 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.35 ± 9.6 % 10964 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10548 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10551 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10553 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10553 AAB IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10555 AAC IEEE 802.11ac WFI (60MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10555 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10557 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.57 ± 9.6 % 10567 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.56 ± 9.6 % 10568 AAC	10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)			
10546 AAB IEEE 802.11ac WFI (20MHz, MCS2, 99pc duty cycle) WLAN 6.33 2.86 % 10547 AAB IEEE 802.11ac WFI (20MHz, MCS3, 99pc duty cycle) WLAN 6.33 4.96 % 10550 AAB IEEE 802.11ac WFI (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 % 10550 AAB IEEE 802.11ac WFI (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10552 AAB IEEE 802.11ac WFI (20MHz, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10553 AAB IEEE 802.11ac WFI (20MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10554 AAC IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10556 AAC IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10567 AAC IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10568 AAC IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 % 10562 AAC IEEE 802.11ac WFI (100MHz, MCS3, 99pc duty cycle) WLAN 8.65 ± 9.6 % 1	10545		IEEE 802.11ac WiFi (80MHz_MCS1_99pc duty cycle)			
10547 AAB IEEE 802.11ac WFI (80MHz, MCS3, 99pc duty cycle) WLAN 8.49 ± 9.6 % 10558 AAB IEEE 802.11ac WFI (80MHz, MCS3, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10551 AAB IEEE 802.11ac WFI (80MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10553 AAB IEEE 802.11ac WFI (80MHz, MCS3, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10555 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10556 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10557 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10556 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10566 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10567 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty c	10546		IEEE 802.11ac WiFi (80MHz_MCS2_99pc duty cycle)			
10648 AAB IEEE 802.11ac WIFI (00MHz, MCS4, 99b; duby cycle) WULAN 8.37 ± 9.6 % 10550 AAB IEEE 802.11ac WIFI (00MHz, MCS6, 99b; duby cycle) WULAN 8.38 ± 9.6 % 10551 AAB IEEE 802.11ac WIFI (00MHz, MCS6, 99b; duby cycle) WULAN 8.42 ± 9.6 % 10552 AAB IEEE 802.11ac WIFI (00MHz, MCS9, 99b; duby cycle) WULAN 8.42 ± 9.6 % 10554 AAB IEEE 802.11ac WIFI (100MHz, MCS9, 99b; duby cycle) WULAN 8.42 ± 9.6 % 10555 AAC IEEE 802.11ac WIFI (100MHz, MCS3, 99b; duby cycle) WULAN 8.44 ± 9.6 % 10556 AAC IEEE 802.11ac WIFI (100MHz, MCS3, 99b; duby cycle) WULAN 8.56 ± 9.6 % 10560 AAC IEEE 802.11ac WIFI (100MHz, MCS3, 99b; duby cycle) WULAN 8.56 ± 9.6 % 10561 AAC IEEE 802.11ac WIFI (100MHz, MCS3, 99b; duby cycle) WULAN 8.56 ± 9.6 % 10563 AAC IEEE 802.11ac WIFI (100MHz, MCS9, 99b; duby cycle) WULAN 8.67 ± 9.6 % 10564	10547		IEEE 802 11ac WiEi (80MHz, MCS3, 99pc duty cycle)			
10550 AAB IEEE 802.11ac WFI (00MHz, MCS6, 99p; duty cycle) WUAN 6.3.6 ± 9.6 % 10551 AAB IEEE 802.11ac WFI (00MHz, MCS6, 99p; duty cycle) WUAN 8.5.6 ± 9.6 % 10552 AAB IEEE 802.11ac WFI (00MHz, MCS6, 99p; duty cycle) WUAN 8.42 ± 9.6 % 10553 AAB IEEE 802.11ac WFI (00MHz, MCS6, 99p; duty cycle) WUAN 8.46 ± 9.6 % 10554 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.46 ± 9.6 % 10556 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.45 ± 9.6 % 10566 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.51 ± 9.6 % 10567 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.61 ± 9.6 % 10568 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.66 ± 9.6 % 10568 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle) WUAN 8.65 ± 9.6 % 10568 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99p; duty cycle)			IEEE 802 11ac WIEI (80MHz, MCS4, 99nc duty cycle)			
10651 AAB IEEE 802.11ac WiFI (80MHz, MCS3, 99pc duly cycle) WLAN 8.50 19.68, % 10552 AAB IEEE 802.11ac WiFI (80MHz, MCS8, 99pc duly cycle) WLAN 8.42 ± 9.6 % 10553 AAB IEEE 802.11ac WiFI (80MHz, MCS8, 99pc duly cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duly cycle) WLAN 8.44 ± 9.6 % 10556 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duly cycle) WLAN 8.47 ± 9.6 % 10557 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duly cycle) WLAN 8.52 ± 9.6 % 10560 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duly cycle) WLAN 8.52 ± 9.6 % 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duly cycle) WLAN 8.52 ± 9.6 % 10564 AAC IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duly cycle) WLAN 8.73 ± 9.6 % 10565 AAC IEEE 802.11a WiFI (160MHz, MCS9, 99pc duly cycle) WLAN 8.73 ± 9.6 % 10566 AAA			IFFE 802 11ac WiFi (80MHz, MCS6, 99pc duty cycle)		*********	
10652 AAB IEEE 802.11ac WFI (60MHz, MCS9, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10553 AAC IEEE 802.11ac WFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.46 ± 9.6 % 10555 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10557 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10568 AAC IEEE 802.11ac WFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10569 AAC IEEE 802.11ac WFI (160MHz, MCS6, 99pc duty cycle) WLAN 8.56 ± 9.6 % 10564 AAC IEEE 802.11a WFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10564 AAA IEEE 802.11a WFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10564 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10566 AAA <td></td> <td></td> <td>IFEE 802 11ac W/IFI (80MHz, MCS7, 90pc duty cycle)</td> <td></td> <td>**************************************</td> <td></td>			IFEE 802 11ac W/IFI (80MHz, MCS7, 90pc duty cycle)		**************************************	
10553 AAB IEEE 802.11ac WiFI (80MHz, MCS3, 39pc duty cycle) WLAN 8.42 ± 9.6 % 10554 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.44 ± 9.6 % 10555 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.50 ± 9.6 % 10567 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.62 ± 9.6 % 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10563 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10564 AAA IEEE 802.11a WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.66 ± 9.6 % 10565 AAA IEEE 802.11a WiFI (2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566			IEEE 802 11ac WIT (00MHz, MCS7, 99pc duty cycle)			
10054 AAC IEEE 802.11a WIF (160MHz, MCS0, 38pc duty cycle) WLAN 8.44 ± 9.6 % 10555 AAC IEEE 802.11ac WIF (160MHz, MCS1, 39pc duty cycle) WLAN 8.47 ± 9.6 % 10556 AAC IEEE 802.11ac WIF (160MHz, MCS3, 39pc duty cycle) WLAN 8.50 ± 9.6 % 10557 AAC IEEE 802.11ac WIF (160MHz, MCS3, 99pc duty cycle) WLAN 8.51 ± 9.6 % 10568 AAC IEEE 802.11ac WIF (160MHz, MCS6, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10569 AAC IEEE 802.11ac WIF (160MHz, MCS6, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10561 AAC IEEE 802.11ac WIF (160MHz, MCS9, 99pc duty cycle) WLAN 8.72 ± 9.6 % 10564 AAA IEEE 802.11a WIF (160MHz, MCS9, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10566 AAA IEEE 802.11a WIF (160MHz, MCS9, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WIF 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566		····	IEEE 802 11ac WIFI (SOMITZ, MCSS, 99pc duty cycle)		······	
10555 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.47 ± 9.6 % 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.50 ± 9.6 % 10558 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.61 ± 9.6 % 10568 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.61 ± 9.6 % 10566 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.56 ± 9.6 % 10566 AAC IEEE 802.11ac WIFI (160MHz, MCS.) 99pc duty cycle) WLAN 8.67 ± 9.6 % 10566 AAC IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 90 Mps, 99pc duty WLAN 8.77 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.37 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 %			IEEE 802.11ac WIFI (800MHz, MCS9, 99pc duty cycle)		********	
10556 AAC IEEE 802.11ac WIFI (160MH-z, MCS2, 99pc duty cycle) WLAN 8.50 * 10557 AAC IEEE 802.11ac WIFI (160MH-z, MCS3, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10568 AAC IEEE 802.11ac WIFI (160MH-z, MCS6, 99pc duty cycle) WLAN 8.52 ± 9.6 % 10560 AAC IEEE 802.11ac WIFI (160MH-z, MCS6, 99pc duty cycle) WLAN 8.73 ± 9.6 % 10561 AAC IEEE 802.11ac WIFI (160MH-z, MCS6, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10563 AAC IEEE 802.11ac WIFI (160MH-z, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mpps, 99pc duty WLAN 8.75 ± 9.6 % 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 34 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.00 ± 9.6 %			IEEE 802.11ac WIFI (160MHZ, MCSU, 99pc duty cycle)			
10557 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc duty cycle) WLAN 8.02 ± 9.8 % 10568 AAC IEEE 802.11ac WiFI (160MHz, MCS4, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10560 AAC IEEE 802.11ac WiFI (160MHz, MCS7, 99pc duty cycle) WLAN 8.61 ± 9.6 % 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS7, 99pc duty cycle) WLAN 8.56 ± 9.6 % 10562 AAC IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle) WLAN 8.57 ± 9.6 % 10564 AAC IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10			IEEE 802.11ac WIFI (160MHz, MCS1, 99pc duty cycle)			± 9.6 %
10558 AAC IEEE 602.11ac WiFI (160MHz, WCS4, 99pc duty cycle) WLAN 8.01 19.6 % 10560 AAC IEEE 802.11ac WiFI (160MHz, WCS4, 99pc duty cycle) WLAN 8.73 19.6 % 10561 AAC IEEE 802.11ac WiFI (160MHz, WCS4, 99pc duty cycle) WLAN 8.76 19.6 % 10562 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.77 19.6 % 10563 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.77 19.6 % 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 19.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 19.6 % 10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.10 19.6 % 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.30 19.6 % 10569 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty WLAN 8.30 19.6 % 105			IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)		8.50	
10560 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WLAN 8.71 ±9.6 % 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle) WLAN 8.56 ±9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.68 ±9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle) WLAN 8.77 ±9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ±9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.13 ±9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.13 ±9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ±9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.30 ±9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty wuLAN 8.30 ±9.6 % 10571			IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10560 AAC IEEE 802.11a WiFI (160MHz, MCS6, 99pc duty cycle) WLAN 8.73 ±9.6 % 10661 AAC IEEE 802.11a WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.66 ±9.6 % 10563 AAC IEEE 802.11a WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.77 ±9.6 % 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.45 ±9.6 % 10565 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ±9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.13 ±9.6 % 10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ±9.6 % 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ±9.6 % 10569 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ±9.6 % 10570 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty WLAN 8.10 ±9.6 % 1			IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	
10661 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty oxcle) WLAN 8.56 ± 9.6 % 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty oxcle) WLAN 8.77 ± 9.6 % 10563 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty oxcle) WLAN 8.75 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mpps, 99pc duty WLAN 8.45 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % <t< td=""><td></td><td></td><td>IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)</td><td>WLAN</td><td>8.73</td><td></td></t<>			IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	
10562 AAC IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.69 ± 9.6 % 10563 AAA IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10569 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10571 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % <			IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)			
10563 AAC IEEE 802.11g WiFi (1600Hz, MCS9, 99pc duty cycle) WLAN 8.77 ± 9.6 % 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty vLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty vLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty vLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty vLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 0Hbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574		AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)			
10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-0FDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 <	10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)			
Image: Cycle) Cycle) WLAN 8.45 ± 9.6 % 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10573 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10573	10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM 9 Mbps 99pc duty			
10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10573 AAA IEEE 802.110 WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.111g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty			cycle)		0.20	± 9.0 %
Lockley Link 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-0FDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-0FDM, 12 Mbps,	10565	AAA		M/LAN	9.45	+06%
10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.13 ± 9.6 % 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS.OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS -0FDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) <td< td=""><td></td><td></td><td></td><td>AA PARTA</td><td>0.45</td><td>± 9.0 %</td></td<>				AA PARTA	0.45	± 9.0 %
cycle) cycle) WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WILAN 8.13 19.6 % 10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WILAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WILAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WILAN 8.30 ± 9.6 % 10570 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS.OFDM, 54 Mbps, 99pc duty WILAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WILAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 5.1 Mbps, 90pc duty cycle) WILAN 1.99 ± 9.6 % 10574 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS.OFDM, 6 Mbps, 90pc duty cycle) WILAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WILAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WILAN 8.60 </td <td>10566</td> <td>AAA</td> <td></td> <td></td> <td>0.12</td> <td>100%</td>	10566	AAA			0.12	100%
10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.00 ± 9.6 % 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS. OFDM, 54 Mbps, 99pc duty cycle) WLAN 1.99 ± 9.6 % 10571 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS.0FDM, 6 Mbps, 90pc duty WLAN 8.59 ± 9.6 % 10575 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN			cycle)	VVL/AIN	0.13	± 9.0 %
cycle order order <th< td=""><td>10567</td><td>AAA</td><td></td><td></td><td></td><td></td></th<>	10567	AAA				
10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ± 9.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN </td <td></td> <td> </td> <td></td> <td>VYLAN</td> <td>8.00</td> <td>± 9.6 %</td>				VYLAN	8.00	± 9.6 %
cycle) cycle) wLN 8.37 £3.6 % 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % <	10568	AAA				
10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.10 ± 9.6 % 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.88 ± 9.6 % 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)		1000	cycle)	WLAN	8.37	± 9.6 %
cycle) windle cycle windle windle </td <td>10569</td> <td></td> <td></td> <td></td> <td></td> <td></td>	10569					
10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.30 ± 9.6 % 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLA	10000			WLAN	8.10	± 9.6 %
cycle) with the field of the second sec	10570			1447 411		
10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty wLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty wLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty wLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty wLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	10070		avola)	WLAN	8.30	± 9.6 %
10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty VLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	10571	A A A				
10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.6 % 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582	····	· • • • • • • • • • • • • • • • • • • •	IEEE 602.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	**************************************	1.99	± 9.6 %
10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)			IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)			
10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10583 </td <td></td> <td></td> <td>IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)</td> <td>WLAN</td> <td>1.98</td> <td>± 9.6 %</td>			IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10583 AAB IEEE 802.11g WiFi 5.G Hz (OFDM, 6 Mbps, 90pc duty cycle)			IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6 %
cycle) WLAN 8.60 ± 9.6 % 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10584 <td>10575</td> <td>AAA</td> <td>IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty</td> <td>WLAN</td> <td>8.59</td> <td></td>	10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	
cycle) with an of a field	10	<u> </u>				
Cycle) WLAN 8.70 ± 9.6 % 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10586	10576	AAA		WLAN	8.60	± 9.6 %
cycle) with a map of a map		<u> </u>				}
Image: cycle) Image: cycle Image: cycle) Image: cy	10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	+96%
cycle) cycle) cycle) cycle) cycle) 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %			cycle)			
cycle) WLAN 8.36 ± 9.6 % 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10578	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8 4 9	+96%
Interference Interference<			cycle)			- 0.0 /0
cycle) WLAN 8.76 ± 9.6 % 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM. 24 Mbps. 90pc duty	WLAN	8.36	+96%
10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %		<u> </u>	cycle)		0.00	
cycle) WLAN 8.35 ± 9.6 % 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10580	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM: 36 Mbps: 90pc duty	WI AN	876	+96%
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %			cycle)	TTERM	0.70	± 5.0 %
cycle) WLAN 8.67 ± 9.6 % 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10581	AAA		10/LAN	9.25	+0.6 %
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %			cycle)	** * *///	0.30	19,0%
cycle) WLAN 8.67 ± 9.6 % 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10582	AAA		10/1 ANI	0.07	
10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %		,		VVLAIN	0.07	± 9.0 %
10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ± 9.6 % 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %	10583	AAR		10/1 0.51	+ 0.00	
10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %			IEEE 802.11 ant WILLO GHZ (OF DW, O Wipps, Supe duty Cycle)			
10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 % 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ± 9.6 %						
10597 AAD IEEE 000 11-1 MIEE OIL (OF DA 04 MBC, 000 444, 000) WEAN 0.49 13.0 %			IEEE 002.11am WIFL5 GHZ (UFUM, 12 Mbps, 90pc duty cycle)			
10307 AAD TIEEE 802.11a/n WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.6 %			TEE 002.11a/n WIFI 5 GHz (UFDM, 18 Mbps, 90pc duty cycle)			± 9.6 %
	10007	AAB	IEEE 002.11a/n WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6 %

10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WL		
	_AN 8.76	± 9.6 %
10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) WL	_AN 8.35	± 9.6 %
10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WL	_AN 8.67	± 9.6 %
10591 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) WL	_AN 8.63	± 9.6 %
10592 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) WL	_AN 8.79	± 9.6 %
10593 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) WL	_AN 8.64	± 9.6 %
10594 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) WL	_AN 8.74	± 9.6 %
10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) WL	_AN 8.74	±9.6 %
	_AN 8.71	±9.6 %
10597 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) WL	_AN 8.72	± 9.6 %
10598 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) WL	_AN 8.50	± 9.6 %
10599 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) WL	<u>_AN 8.79</u>	± 9.6 %
	_AN 8.88	± 9.6 %
10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WL	_AN 8.82	± 9.6 %
10602 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) WL	<u>AN 8.94</u>	± 9.6 %
10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WL	AN 9.03	± 9.6 %
10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) WL	AN 8.76	± 9.6 %
10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WL	_AN 8.97	± 9.6 %
10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) WL	AN 8.82	± 9.6 %
10607 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) WL	<u>AN 8.64</u>	± 9.6 %
	AN 8.77	± 9.6 %
10609 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) WL	and the second s	± 9.6 %
	AN 8.78	± 9.6 %
10611 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) WL		± 9.6 %
10612 AAB IEEE 802.11ac WiFI (20MHz, MCS5, 90pc duty cycle) WL		± 9.6 %
10613 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) WL		± 9.6 %
10614 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WL		± 9.6 %
10615 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) WL		± 9.6 %
10616 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) WL		± 9.6 %
10617 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) WL		± 9.6 %
10618 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WL		± 9.6 %
10619 AAB IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle) WL		± 9.6 %
10620 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WL		± 9.6 %
10621 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WL		± 9.6 %
10622 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WL		± 9.6 %
10623 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WL		± 9.6 %
10624 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WL 10625 AAB IEEE 802.44ac WiFi (40MHz, MCS8, 90pc duty cycle) WL		± 9.6 %
10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WL		± 9.6 %
10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WL 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WL		± 9.6 %
10627 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) WL		± 9.6 %
10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WL		± 9.6 %
10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WL		± 9.6 %
10630 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WL 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WL	AN 8.72	± 9.6 %
10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WL		± 9.6 %
10632 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WL 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WL		± 9.6 %
10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WL 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WI		± 9.6 %
(aaaa) (aaaa) (aaaa) (aaaa) (aaaa) (aaaa) (aaaa) (aaaaa) (aaaaa) (aaaaa) (aaaaa) (aaaaa) (aaaaa) (aaaaa) (aaaa		± 9.6 %
10635 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle) WL		± 9.6 %
10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WL		± 9.6 %
10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WL		± 9.6 %
10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WL		± 9.6 %
10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WL		± 9.6 %
10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WL 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WI		± 9.6 %
teo to the teo teo teo teo teo teo teo teo teo te		± 9.6 %
		± 9.6 %
10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WL		±9.6 %
10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WL		±9.6%
10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WL		± 9.6 %
	E-TDD 11.96	± 9.6 %
10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.7) I TE	E-TDD 11.96	± 9.6 %
(a)	MA2000 3.45	± 9.6 %
10648 AAA CDMA2000 (1x Advanced) CDI		
10648 AAA CDMA2000 (1x Advanced) CDI 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE	E-TDD 6.91	± 9.6 %
10648 AAA CDMA2000 (1x Advanced) CDI 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE		

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	$\pm 9.6\%$
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	$\pm 9.6\%$
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	$\pm 9.6\%$
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	$\pm 9.6\%$
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	$\pm 9.6\%$
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	$\pm 9.6\%$

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

Calibration Laboratory of

PC Test

Client

Schmid & Partner

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Certificate No: 5G-Veri30-1002_Mar19

Object 5G Verification Source 30 GHz - SN: 1002						
Calibration procedure(s)	QA CAL-45.v2 Calibration proc	cedure for sources in air above 6 GHz	enty			
		_	BNV 4-15-29			
Calibration date:	March 19, 2019	9				
The measurements and the unce	rtainties with confidence	ational standards, which realize the physical units of probability are given on the following pages and an atory facility: environment temperature (22 ± 3)°C an	e part of the certificate.			
Calibration Equipment used (M&	TE critical for calibration					
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration Dec-19			
Reference Probe EUmmWV3 DAE4	SN: 9374 SN: 1215	31-Dec-18 (No. EUmmWV3-9374_Dec18) 22-Feb-19 (No. DAE4-1215_Feb19)	Feb-20			
Secondary Standards	ID #	Check Date (in house)	Scheduled Check			
	·					
	Name	Function	Signature			
Calibrated by:	Name Jeton Kastrati	Function Laboratory Technician	Signature			
Calibrated by: Approved by:			Signature			

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



S

Schweizerischer Kalibrierdienst

Service suisse d'étalonnage

С Servizio svizzero di taratura S

Accreditation No.: SCS 0108

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





S Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage

Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary

CW

Continuous wave

Calibration is Performed According to the Following Standards

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018

Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions: (1) 10 GHz:* The forward power to the horn antenna is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable taking into account the 0.2dB horn loss. (2) 30, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- E- field distribution: E field is measured in two x-y-plane (10mm, 10mm + λ/4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm² and 4cm²) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

Calibrated Quantity

 Local peak E-field (V/m) and peak values of the total and normal component of the poynting vector |Re{S}| and n.Re{S} averaged over the surface area of 1 cm² (pStotavg1cm² and pSnavg1cm²) and 4cm² (pStotavg4cm² and pSnavg4cm²) at the nominal operational frequency of the verification source.

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%.

Measurement Conditions

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

DASY Version	cDASY6 Module mmWave	V1.6
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 2.5 mm	··· ,
Number of measured planes	2 (10mm, 10mm + λ/4)	
Frequency	30 GHz ± 10 MHz	

Calibration Parameters, 30 GHz

Distance Horn Aperture to Measured Plane	Prad1 (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density n.Re{S}, Re{S} (W/m2)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	34.8	139	1.27 dB	43.0, 43.6	35.6, 36.2	1.28 dB

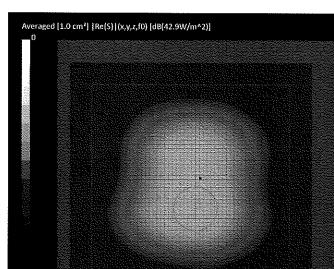
¹ derived from far-field data

DASY Report

Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions (mm]	IMEI	DUT Type	
5G Verification Source 30 G	GHz 100.0 x 100.0 x 1	00.0	SN: 1002	-	
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz] Channel Number	
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup					
Phantom	Medium		Probe, Cal	libration Date	DAE, Calibration Date
5G Phantom	Air		EUmmWV	/3 - SN9374, 2018-12-31	DAE4 Sn1215, 2019-02-22
Scan Setup			Measure	ement Results	
		5G S	can		5G Scan
Grid Extents [mm]		60.0 x 6	0.0 Date		2019-03-19, 12:21
Grid Steps [lambda]		0.25 x 0	.25 Avg. Are	a (cm²)	1.00
Sensor Surface [mm]		5	.55 pS _{tot} avg	[W/m²]	43.6
MAIA		MAIA not u	sed pS _n avg [.W/m²]	43.0
			E _{peak} (V/r	n]	139
			Power D	rift [dB]	0.02



Certificate No: 5G-Veri30-1002_Mar19

-10

Client PC Test		Certificate No: 5	G-Veri30-1015_Oct18
CALIBRATION	CERTIFICAT	E	
Object	5G Verification	Source 30 GHz - SN: 1015	
Calibration procedure(s)	QA CAL-45.v2 Calibration proc	cedure for sources in air above 6 GH	Z
Calibration date:	October 01, 20	18	
The measurements and the unc	ertaintles with confidence	ational standards, which realize the physical units probability are given on the following pages and a	are part of the certificate.
		tory facility: environment temperature $(22 \pm 3)^{\circ}$ C a	nd humidily < 70%.
Calibration Equipment used (M&	1		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Reference Probe EUmmWV3 DAE4	SN: 9374 SN: 1215	23-Mar-18 (No. EUmmWV3-9374_Mar18) 26-Feb-18 (No. DAE4-1215_Feb18)	Mar-19 Feb-19
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Calibrated by:	Name Leif Klysner	Function Laboratory Technician	Signature Sel Ille
Approved by:	Katja Pokovic	Technical Manager	Alle
This calibration certificate shall	not be reproduced excep	t in full without written approval of the laboratory.	Issued: October 4, 2018

Glossary

CW Continuous wave

Calibration is Performed According to the Following Standards

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018
- S. Pfeifer et al. Total Field Reconstruction in the Near Field Using Pseudo-Vector E-Field Measurements, *IEEE Transactions on Electromagnetic Compatibility*, TEMC.2018.2837897

Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions: (1) 10 GHz:* The forward power to the horn antenna is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable considering the 0.4dB horn loss. (2) 30, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cup and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- E- field distribution: E field is measured in two x-y-plane (10mm, 10mm + λ/4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima.
- *Power Density:* The power density values averaged over 1cm² and 4cm² at 10mm in front of the horn are reconstructed from the E-field according to TEMC.2018.2837897.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

Calibrated Quantity

Local peak E-field (V/m) and peak values of the total and normal component of the poynting vector |Re{S}| and n.Re{S} averaged over the surface area of 1 cm² (pStotavg1cm² and pSnavg1cm²) and 4cm² (pStotavg4cm² and pSnavg4cm²) at the nominal operational frequency of the verification source.

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%.

Measurement Conditions

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

DASY Version	cDASY6 Module mmWave	V1.4
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	<u> </u>
XY Scan Resolution	dx, dy = 2.5 mm	
Number of measured planes	2 (10mm, 10mm + \/4)	
Frequency	30 GHz ± 10 MHz	

Calibration Parameters, 30 GHz

Distance Horn Aperture to Measured Plane	P _{rad} i (mW)	Max E-field (V/m)	Uncertainty (<i>k</i> = 2)	n.Re{S}	Avg Power Density n.Re{S}, Re{S} (W/m²)	
				1 cm ² 4 cm ²		
10 mm	33.5	135	1.27 dB	41.7, 42.0 35.5, 36.1		1.28 dB

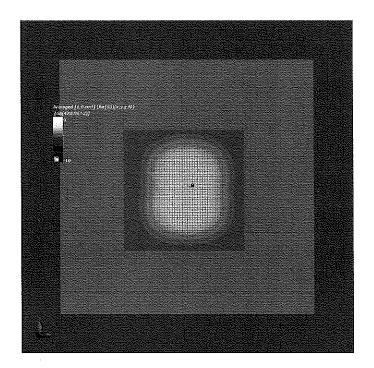
 $^{^{1}}$ derived from far-field data

DASY Report

Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IME		DUT Type	
5G Verification Source 30 G	Hz 100.0 x 100.0 x 1	00.0	SN: 101	.5	-	
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	Band	Grou	зр,	Frequency [MHz], Channei Number	Conversion Factor
5G -	5.55 mm	Validation band	CW		30000.0, 30000	1.0
Hardware Setup Phantom	Medium			Probe, Calibration Da		DAE, Calibration Date
5G Phantom	Air			EUmmWV3 - SN9374,	2018-03-23	DAE4 Sn1215, 2018-02-26
Scan Setup				Measurement Re	sults	
		5G S	Scan			5G Scan
Grid Extents [mm]		60.0 x		Date		2018-10-01, 17:20
Grid Steps [lambda]		0.25 x		Avg. Area [cm ²]		1.00
Sensor Surface [mm]			5.55	pS _{tot} avg [W/m²]		42.0
MAIA		MAIA not (used	pS _n avg [W/m ²]		41.7
				E _{peak} [V/m]		135
				Power Drift [dB]		-0.07



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

Accredited by the Swiss Accreditation Service (SAS)





S Schweizerischer Kalibrierdienst
 S Service suisse d'étalonnage
 S Servizio svizzero di taratura
 S Swiss Calibration Service

Accreditation No.: SCS 0108

Client PC Test

Certificate No: 5G-Veri30-1035_Jan19

CALIBRATION CERTIFICATE

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

Object	5G Verification Sc	ource 30 GHz - SN: 1035	
Calibration procedure(s)	QA CAL-45.v2 Calibration proced	lure for sources in air above 6 GHz	
Calibration date:	•	Gelegensen in Kommunikasi sa	KOL a
		nal standards, which realize the physical units of bability are given on the following pages and are	
All calibrations have been conducted	ed in the closed laboratory	facility: environment temperature (22 \pm 3)°C and	l humidity < 70%.
Calibration Equipment used (M&TE	critical for calibration)		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Reference Probe EUmmWV3	SN: 9374	31-Dec-18 (No. EUmmWV3-9374_Dec18)	Dec-19
DAE4	SN: 1215	26-Feb-18 (No. DAE4-1215_Feb18)	Feb-19
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
	[
	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	Sef The
Approved by:	Katja Pokovic	Technical Manager	ELE -
This calibration certificate shall not	be reproduced except in f	ull without written approval of the laboratory.	lssued: January 29, 2019

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





S

Schweizerischer Kalibrierdienst

Service suisse d'étalonnage С

S Swiss Calibration Service

Accreditation No.: SCS 0108

Servizio svizzero di taratura

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary

CW

Continuous wave

Calibration is Performed According to the Following Standards

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018

Methods Applied and Interpretation of Parameters

- Coordinate System: z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- Measurement Conditions: (1) 10 GHz: The forward power to the horn antenna is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable taking into account the 0.4dB horn loss. (2) 30, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- Horn Positioning: The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- *E- field distribution:* E field is measured in two x-y-plane (10mm, 10mm + $\lambda/4$) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-fieldmaxima and the averaged (1cm² and 4cm²) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

Calibrated Quantity

Local peak E-field (V/m) and peak values of the total and normal component of the poynting vector |Re{S}| and n.Re{S} averaged over the surface area of 1 cm² (pStotavg1cm² and pSnavg1cm²) and 4cm² (pŚtotavg4cm² and pSnavg4cm²) at the nominal operational frequency of the verification source.

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%.

Measurement Conditions

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

DASY Version	cDASY6 Module mmWave	V1.4
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 2.5 mm	
Number of measured planes	2 (10mm, 10mm + λ/4)	
Frequency	30 GHz ± 10 MHz	

Calibration Parameters, 30 GHz

Distance Horn Aperture to Measured Plane	Prad1 Max E-field (mW) (V/m)		Uncertainty (k = 2)	Avg Powe n.Re{S} (W/		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	31.8	131	1.27 dB	39.0, 39.4	34.8, 35.1	1.28 dB

¹ derived from far-field data

DASY Report

MAIA

Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm	-	IMEI	DUT Type	
5G Verification Source 30 G	Hz 100.0 x 100.0 x 1	.00.0	SN: 1035	~	
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup					
Phantom	Medium		•	bration Date	DAE, Calibration Date
5G Phantom	Air		EUMMWV3	- SN9374, 2018-12-31	DAE4 Sn1215, 2018-02-26
Scan Setup			Measure	ment Results	
		5G S	Scan		5G Scan
Grid Extents [mm]		60.0 x (60.0 Date		2019-01-28, 16:37
Grid Steps [lambda]		0.25 x (0.25 Avg. Area	[cm²]	1.00
Sensor Surface [mm]		!	5.55 pS _{tot} avg ['	W/m²]	39.0

pSn avg [W/m²]

E_{peak} [V/m] Power Drift (dB) 39.4 131

0.05

MAIA not used

<section-header><text>

APPENDIX D: TOTAL EXPOSURE RATIO

The total exposure ratio (TER) is calculated by combining all SAR measurements and power density measurements after normalizing to their respective limits. The general expression is below.

$$TER = \sum_{n=1}^{N} \frac{SAR_n}{SAR_n, limit} + \sum_{m=1}^{M} \frac{S_{m,avg}}{S_m, limit} < 1$$

The TER shall be less than unity to ensure compliance with the limits.

(*) For test positions that were not required to be evaluated for WLAN SAR per FCC KDB publication 248227, the worst case WLAN SAR result for the applicable exposure conditions was used for simultaneous transmission analysis.

Worst-case power density results for each test configuration among all antenna arrays (J Patch, K Patch, L Patch, J Dipole) were considered for Total Exposure Ratio (TER) analysis. Some bands and modes may be evaluated at a higher power or at a closer separation distance representing a more conservative TER analysis. LTE ULCA is not available during EN-DC operations with 5G NR.

						-ana -		Uuu i i		0000101					
Anchor Band		Reported	2.4 GHz WLAN Ant1 Reported SAR	WLAN Ant2	Reported SAR	Ant1 Reported	5 GHz WLAN Ant2 Reported SAR	n261 S	LTE + 2.4 GHz WLAN Ant1 + n261	LTE + 2.4 GHz WLAN Ant2 + n261	LTE + 2.4 GHz WLAN MIMO + n261	LTE + BT+ 5 GHz WLAN Ant1 + n261	LTE + BT+ 5 GHz WLAN Ant2 + n261	LTE + BT+ 5 GHz WLAN MIMO + n261	MIMO + 5 GHz WLAN MIMO +
	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	mW/cm ²							n261	
		1	2	3	4	5	6	7	1+2+7	1+3+7	1+2+3+7	1+4+5+7	1+4+6+7	1+4+5+6+7	1 + 2 + 3 + 5+ 6+ 7
Applicab	le Limit	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LTE B66	Reported Value	0.166	0.378	0.047	0.364	0.314	0.044	0.097							
LIE BOD	Ratio to Limit	0.104	0.236	0.029	0.228	0.196	0.028	0.097	0.437	0.230	0.466	0.625	0.457	0.653	0.690
LTE B2	Reported Value	0.199	0.378	0.047	0.364	0.314	0.044	0.097							
LIL DZ	Ratio to Limit	0.124	0.236	0.029	0.228	0.196	0.028	0.097	0.457	0.250	0.486	0.645	0.477	0.673	0.710

Table D-1 NR Band n261 Head Total Exposure Ratio

Worst-case front side total power density value was considered for Head Total Exposure Ratio analysis.

		- T	NR Bar	າd n26	1 Bod	y-Wor	n Tota	ıl Expo	sure	Ratio -	 Back 	Side a	t 15 m	m		
Ancho	or Band	LTE Reported SAR	2.4 GHz WLAN Ant1 Reported SAR	2.4 GHz WLAN Ant2 Reported SAR	Bluetooth Reported SAR	Ant1 Reported	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO at 16 dBm Reported SAR	n261 S	-		LTE + 2.4 GHz WLAN MIMO + n261	LTE + BT + 5 GHz WLAN Ant1 + n261	LTE + BT + 5 GHz WLAN Ant2 + n261	LTE + BT + 5 GHz WLAN MIMO at 16 dBm + n261	LTE + 2.4 WLAN MIMO + 5 GHz WLAN MIMO at 16 dBm + n261
		W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	mW/cm ²							
		1	2	3	4	5	6	7	8	1+2+8	1+3+8	1+2+3+8	1+4+5+8	1+4+6+8	1+4+7+8	1+2+3+7+8
Applica	able Limit	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LTE B66	Reported Value	0.868	0.095	0.019	0.026	0.177	0.261	0.131	0.239							
LTL 800	Ratio to Limit	0.543	0.059	0.012	0.016	0.111	0.163	0.082	0.239	0.841	0.794	0.853	0.909	0.961	0.880	0.935
LTE B2	Reported Value	0.823	0.095	0.019	0.026	0.177	0.261	0.131	0.239							
LIL DZ	Ratio to Limit	0.514	0.059	0.012	0.016	0.111	0.163	0.082	0.239	0.812	0.765	0.824	0.880	0.932	0.851	0.906

Table D-2 NR Band n261 Body-Worn Total Exposure Ratio - Back Side at 15 mm

1. Worst-case back side total power density was considered for Body-Worn Total Exposure Ratio analysis.

2. For J patch, K patch, and J dipole antennas, power density results for back side at 10 mm were considered as a more conservative evaluation for 15 mm body-worn.

3. For L patch antenna, power density results for back side at 2 mm were considered as a more conservative evaluation for 15 mm body-worn.

	C PCTEST	NEAR-FIELD POWER DENSITY	SAMSUNG	Approved by:
FCC ID: A3LSMG977T	•••• V ENGINEERING LABORATORY, INC.	EVALUATION REPORT	SAMSUNG	Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
03/12/2019 - 04/17/2019	Portable Handset			Page 1 of 6
© 2019 PCTEST Engineering Laboratory, Ir	IC.			REV 1.0

REV 1.0 03/26/2019

 Table D-3

 NR Band n261 Hotspot Total Exposure Ratio

Anchor Band			LTE Reported SAR	2.4 GHz WLAN Ant1 Reported SAR	2.4 GHz WLAN Ant2 Reported SAR	Bluetooth Reported SAR	5 GHz WLAN Ant1 Reported SAR	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO at 16 dBm Reported SAR	n261 S	LTE + 2.4 GHz WLAN Ant1 + n261	LTE + 2.4 GHz WLAN Ant2 + n261	LTE + 2.4 GHz WLAN MIMO + n261	LTE + Bluetooth + 5 GHz WLAN Ant1 + n261	LTE + Bluetooth + 5 GHz WLAN Ant2 + n261	. F. CUL- MILAN	LTE + 2.4 WLAN MIMO + 5 GHz WLAN MIMO at 16 dBm + n261
			W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	mW/cm ²							
			1	2	3	4	5	6	7	8	1+2+8	1+3+8	1+2+3+8	1+4+5+8	1+4+6+8	1+4+7+8	1+2+3+7+8
	Applicable Limit		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		Reported Value	0.505	0.204	0.060	0.052	0.108	0.362	0.141	0.239							
	Back Side at 10 mm	Ratio to Limit	0.316	0.128	0.038	0.033	0.068	0.226	0.088	0.239	0.683	0.593	0.721	0.656	0.814	0.676	0.809
		Reported Value	0.461	0.218*	0.060*	0.037	0.108*	0.362*	0.141*	0.097							
	Front Side at 10 mm	Ratio to Limit	0.288	0.136	0.038	0.023	0.068	0.226	0.088	0.097	0.521	0.423	0.559	0.476	0.634	0.496	0.647
		Reported Value	0	0.218*	0.060*	0.059	0.108*	0.362*	0.141*	0.165							
LTE B66	Top Edge at 10 mm	Ratio to Limit	0	0.136	0.038	0.037	0.068	0.226	0.088	0.165	0.301	0.203	0.339	0.270	0.428	0.290	0.427
LIE BOD	Bottom Edge at 10 mm	Reported Value	1.146	0	0	0	0	0	0	0.002							
	Bottom Edge at 10 mm	Ratio to Limit	0.716	0	0	0	0	0	0	0.002	0.718	0.718	0.718	0.718	0.718	0.718	0.718
	Right Edge at 10 mm	Reported Value	0.090	0	0	0	0	0	0	0.493							
	Kight Euge at 10 min	Ratio to Limit	0.056	0	0	0	0	0	0	0.493	0.549	0.549	0.549	0.549	0.549	0.549	0.549
	Left Edge at 10 mm	Reported Value	0.104	0.218	0.060*	0.052	0.108*	0.362*	0.141*	0.383							
	Left Edge at 10 mm	Ratio to Limit	0.065	0.136	0.038	0.033	0.068	0.226	0.088	0.383	0.584	0.486	0.622	0.549	0.707	0.569	0.710
	Back Side at 10 mm	Reported Value	0.485	0.204	0.060	0.052	0.108	0.362	0.141	0.239							
	back side at 10 mm	Ratio to Limit	0.303	0.128	0.038	0.033	0.068	0.226	0.088	0.239	0.670	0.580	0.708	0.643	0.801	0.663	0.796
	Front Side at 10 mm	Reported Value	0.419	0.218*	0.060*	0.037	0.108*	0.362*	0.141*	0.097							
	Front side at 10 mm	Ratio to Limit	0.262	0.136	0.038	0.023	0.068	0.226	0.088	0.097	0.495	0.397	0.533	0.450	0.608	0.470	0.621
	Top Edge at 10 mm	Reported Value	0	0.218*	0.060*	0.059	0.108*	0.362*	0.141*	0.165							
LTE B2	TOP Edge at 10 min	Ratio to Limit	0	0.136	0.038	0.037	0.068	0.226	0.088	0.165	0.301	0.203	0.339	0.270	0.428	0.290	0.427
LIL DI	Bottom Edge at 10 mm	Reported Value	1.162	0	0	0	0	0	0	0.002							
	oottom coge at 10 min	Ratio to Limit	0.726	0	0	0	0	0	0	0.002	0.728	0.728	0.728	0.728	0.728	0.728	0.728
	Right Edge at 10 mm	Reported Value	0.075	0	0	0	0	0	0	0.493							
	Right Edge at 10 mm	Ratio to Limit	0.047	0	0	0	0	0	0	0.493	0.540	0.540	0.540	0.540	0.540	0.540	0.540
	Left Edge at 10 mm	Reported Value	0.074	0.218	0.060*	0.052	0.108*	0.362*	0.141*	0.383							
		Ratio to Limit	0.046	0.136	0.038	0.033	0.068	0.226	0.088	0.383	0.565	0.467	0.603	0.530	0.688	0.550	0.691

1. The highest back side at 10 mm, and other surfaces at 2 mm power density values were considered for Hotspot Total Exposure Ratio analysis.

2. For L patch antenna, power density results for back side at 2 mm were considered as a more conservative evaluation for 10 mm Hotspot.

3. Per FCC guidance, the device edges that are not required to be evaluated for SAR are indicated as 0 for Total Exposure Ratio analysis.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
03/12/2019 - 04/17/2019	Portable Handset			Page 2 of 6
© 2019 PCTEST Engineering Laboratory	/, Inc.			REV 1. 03/26/201

	Anchor Band		LTE Reported 10g SAR W/kg	5 GHz WLAN Ant 1 Reported 10g SAR W/kg	5 GHz WLAN Ant 2 Reported 10g SAR W/kg	5 GHZ WLAN MIMO at 16 dBm Reported 10g SAR W/kg	n261 S	LTE + 5 GHz WLAN Ant1 + n261 S	LTE + 5 GHz WLAN Ant2 + n261 S	LTE + 5 GHz WLAN MIMO at 16 dBm + n261 S
			1	w/kg 2	w/kg 3	4	5	1+2+5	1+3+5	1+4+5
	Applicable Limit	4.0	4.0	4.0	4.0	1.0	1.0	1.0	1.0	
		Reported Value	1.113	0.174	0.180	0.863*	0.403*			
	Back Side at 7 mm	Ratio to Limit	0.278	0.044	0.045	0.216	0.403	0.725	0.726	0.897
		Reported Value	0.974	1.116	1.387	0.863	0.403			
	Back Side at 0 mm	Ratio to Limit	0.244	0.279	0.347	0.216	0.403	0.926	0.994	0.863
	Front Cide at One	Reported Value	1.522	1.116*	0.05	0.863*	0.097			
	Front Side at 0 mm	Ratio to Limit	0.381	0.279	0.013	0.216	0.097	0.757	0.491	0.694
	Top Edge at 0 mm	Reported Value	0	0.423	1.387*	0.863*	0.165			
LTE B66	TOP Edge at 0 mm	Ratio to Limit	0	0.106	0.347	0.216	0.165	0.271	0.512	0.381
	Detter Education	Reported Value	1.699	0	0	0	0.002			
	Bottom Edge at 0 mm	Ratio to Limit	0.425	0	0	0	0.002	0.427	0.427	0.427
	Right Edge at 0 mm	Reported Value	0.461	0	0	0	0.493			
	Right Euge at 0 mm	Ratio to Limit	0.115	0	0	0	0.493	0.608	0.608	0.608
	Loft Edge at 0 mm	Reported Value	0.603	1.116*	0.288	0.863*	0.383			
	Left Edge at 0 mm	Ratio to Limit	0.151	0.279	0.072	0.216	0.383	0.813	0.606	0.750
	Back Side at 7 mm	Reported Value	1.285	0.174	0.180	0.863*	0.403*			
	Back Side at 7 mm	Ratio to Limit	0.321	0.044	0.045	0.216	0.403	0.768	0.769	0.940
	Deals Cide at 0 mm	Reported Value	0.976	1.116	1.387	0.863	0.403			
	Back Side at 0 mm	Ratio to Limit	0.244	0.279	0.347	0.216	0.403	0.926	0.994	0.863
	Front Side at 0 mm	Reported Value	1.724	1.116*	0.05	0.863*	0.097			
	From Side at 0 mm	Ratio to Limit	0.431	0.279	0.013	0.216	0.097	0.807	0.541	0.744
LTE B2	Top Edge at 0 mm	Reported Value	0	0.423	1.387*	0.863*	0.165			
LIE BZ	Top Edge at 0 mm	Ratio to Limit	0	0.106	0.347	0.216	0.165	0.271	0.512	0.381
	Bottom Edge at 0 mm	Reported Value	2.33	0	0	0	0.002			
	Bottom Edge at 0 mm	Ratio to Limit	0.583	0	0	0	0.002	0.585	0.585	0.585
	Right Edge at 0 mm	Reported Value	0.667	0	0	0	0.493			
	Right Euge at 0 mm	Ratio to Limit	0.167	0	0	0	0.493	0.660	0.660	0.660
	Left Edge at 0 mm	Reported Value	0.609	1.116*	0.288	0.863*	0.383			
	Left Edge at 0 mm	Ratio to Limit	0.152	0.279	0.072	0.216	0.383	0.814	0.607	0.751

Table D-4 NR Band n261 Phablet Total Exposure Ratio

1. Per FCC guidance, the device edges that are not required to be evaluated for SAR are indicated as 0 for Total Exposure Ratio analysis.

- 2. Per FCC guidance, the bands/modes that are not required to be evaluated for Phablet SAR are not considered for Total Exposure Ratio analysis.
- 3. For back side at 7 mm, power density results for back side at 2 mm were considered as a more conservative evaluation.
- 4. Per FCC guidance, for power density measurements, a test separation distance of 2 mm was used for phablet configuration due to probe restraints.
- 5. For TER analysis for front at 0 mm and bottom at 0 mm, the highest reported SAR across all test distances was used as the most conservative evaluation for simultaneous transmission analysis for each device edge.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
03/12/2019 - 04/17/2019	Portable Handset			Page 3 of 6
© 2019 PCTEST Engineering Laboratory	/, Inc.			REV 1.0 03/26/2011

Table D-5
NR Band n260 Head Total Exposure Ratio

Anchor Band		LTE	2.4 GHz WLAN	2.4 GHz		5 GHz WLAN		1							LTE + 2.4 WLAN
		Reported SAR R	Ant1 Reported SAR	14/1 4 41 4	Bluetooth Reported SAR	Auto Devented		n260 S	LTE + 2.4 GHz WLAN Ant1 + n260	LTE + 2.4 GHz WLAN Ant2 + n260	LTE + 2.4 GHz WLAN MIMO + n260	WLAN Ant1 + n260	LTE + BT+ 5 GHz WLAN Ant2 + n260	WLAN MIMO + n260	MIMO + 5 GHz WLAN MIMO +
		W/kg		W/kg	W/kg	W/kg	W/kg	mW/cm ²	11200		11200	11200			n260
		1	2	3	4	5	6	7	1+2+7	1 + 3 + 7	1+2+3+7	1+4+5+7	1+4+6+7	1+4+5+6+7	1 + 2 + 3 + 5+ 6+ 7
Applicabl	le Limit	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LTE B66	Reported Value	0.166	0.378	0.047	0.364	0.314	0.044	0.137							
LIE BOD	Ratio to Limit	0.104	0.236	0.029	0.228	0.196	0.028	0.137	0.477	0.270	0.506	0.665	0.497	0.693	0.730
LTE B2	Reported Value	0.199	0.378	0.047	0.364	0.314	0.044	0.137							
LIE BZ	Ratio to Limit	0.124	0.236	0.029	0.228	0.196	0.028	0.137	0.497	0.290	0.526	0.685	0.517	0.713	0.750

Worst-case front side total power density value was considered for Head Total Exposure Ratio analysis.

Table D-6
NR Band n260 Body-Worn Total Exposure Ratio - Back Side at 15 mm

Ancho	or Band		2.4 GHz WLAN Ant1 Reported SAR W/kg	Ant2 Departed	Bluetooth	Ant1 Reported	5 GHz WLAN Ant2 Reported SAR	5 GHz WLAN MIMO at 16 dBm Reported SAR	n260 S mW/cm²			LTE + 2.4 GHz WLAN MIMO + n260	LTE + BT + 5 GHz WLAN Ant1 + n260	LTE + BT + 5 GHz WLAN Ant2 + n260	LTE + BT + 5 GHz WLAN MIMO at 16 dBm + n260	LTE + 2.4 WLAN MIMO + 5 GHz WLAN MIMO at 16 dBm + n260
		1	2	3	4	5	6	7	8	1+2+8	1+3+8	1+2+3+8	1+4+5+8	1+4+6+8	1+4+7+8	1+2+3+7+8
Applical	ble Limit	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LTE B66	Reported Value	0.868	0.095	0.019	0.026	0.177	0.261	0.131	0.207							
LIC DOD	Ratio to Limit	0.543	0.059	0.012	0.016	0.111	0.163	0.082	0.207	0.809	0.762	0.821	0.877	0.929	0.848	0.903
LTE B2	Reported Value	0.823	0.095	0.019	0.026	0.177	0.261	0.131	0.207							
LIL 02	Ratio to Limit	0.514	0.059	0.012	0.016	0.111	0.163	0.082	0.207	0.780	0.733	0.792	0.848	0.900	0.819	0.874

1. Worst-case back side total power density at 15 mm was considered for Body-Worn Total Exposure Ratio analysis.

2. For J patch, K patch, and L patch antennas, power density results for back side at 2 mm were considered as a more conservative evaluation for 15 mm body-worn.

FCC ID: A3LSMG977T	RCTEST	NEAR-FIELD POWER DENSITY	SAMSUNG	Approved by:
FCC ID: ASLSMG9771	V ENGINEERING LABORATORY, INC.	EVALUATION REPORT	SAMSUND	Quality Manager
Test Dates:	DUT Type:			APPENDIX D: Page 4 of 6
03/12/2019 - 04/17/2019	Portable Handset			Fage 4 01 0
2019 PCTEST Engineering Laboratory, Inc				REV 1 03/26/201

 Table D-7

 NR Band n260 Hotspot Total Exposure Ratio

Anchor Band		LTE Reported SAR	2.4 GHz WLAN Ant1 Reported SAR	Ant2 Reported SAR	Reported SAR	SAR	Ant2 Reported SAR	5 GHz WLAN MIMO at 16 dBm Reported SAR	n260 S	LTE + 2.4 GHz WLAN Ant1 + n260	LTE + 2.4 GHz WLAN Ant2 + n260	LTE + 2.4 GHz WLAN MIMO + n260	LTE + Bluetooth + 5 GHz WLAN Ant1 + n260	LTE + Bluetooth + 5 GHz WLAN Ant2 + n260	LTE + Bluetooth + 5 GHz WLAN MIMO + n260	LTE + 2.4 WLAN MIMO + 5 GHz WLAN MIMO at 16 dBm + n260	
			W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	W/kg	mW/cm ²							
			1	2	3	4	5	6	7	8	1+2+8	1+3+8	1+2+3+8	1+4+5+8	1+4+6+8	1+4+7+8	1+2+3+7+8
	Applicable Limit		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Back Side at 10 mm	Reported Value	0.505	0.204	0.060	0.052	0.108	0.362	0.141	0.310							
	Back Side at 10 mm	Ratio to Limit	0.316	0.128	0.038	0.033	0.068	0.226	0.088	0.310	0.754	0.664	0.791	0.727	0.885	0.747	0.879
	Front Side at 10 mm	Reported Value	0.461	0.218*	0.060*	0.037	0.108*	0.362*	0.141*	0.137							
	Front side at 10 mm	Ratio to Limit	0.288	0.136	0.038	0.023	0.068	0.226	0.088	0.137	0.561	0.463	0.598	0.516	0.674	0.536	0.686
	Top Edge at 10 mm	Reported Value	0	0.218*	0.060*	0.059	0.108*	0.362*	0.141*	0.190							
LTE B66	Top Edge at 10 mm	Ratio to Limit	0	0.136	0.038	0.037	0.068	0.226	0.088	0.190	0.326	0.228	0.363	0.295	0.453	0.315	0.451
LIE BOO	Bottom Edge at 10 mm	Reported Value	1.146	0	0	0	0	0	0	0.004							
	Bottom Loge at 10 min	Ratio to Limit	0.716	0	0	0	0	0	0	0.004	0.720	0.720	0.720	0.720	0.720	0.720	0.720
	Right Edge at 10 mm	Reported Value	0.090	0	0	0	0	0	0	0.388							
	Kight Euge at 10 min	Ratio to Limit	0.056	0	0	0	0	0	0	0.388	0.444	0.444	0.444	0.444	0.444	0.444	0.444
	Left Edge at 10 mm	Reported Value	0.104	0.218	0.060*	0.052	0.108*	0.362*	0.141*	0.260							
	Left Edge at 10 mm	Ratio to Limit	0.065	0.136	0.038	0.033	0.068	0.226	0.088	0.260	0.461	0.363	0.498	0.426	0.584	0.446	0.586
	Back Side at 10 mm	Reported Value	0.485	0.204	0.060	0.052	0.108	0.362	0.141	0.310							
	Back Side at 10 min	Ratio to Limit	0.303	0.128	0.038	0.033	0.068	0.226	0.088	0.310	0.741	0.651	0.778	0.714	0.872	0.734	0.866
	Front Side at 10 mm	Reported Value	0.419	0.218*	0.060*	0.037	0.108*	0.362*	0.141*	0.137							
	FIGHT SIDE AT 10 HILL	Ratio to Limit	0.262	0.136	0.038	0.023	0.068	0.226	0.088	0.137	0.535	0.437	0.572	0.490	0.648	0.510	0.660
	Top Edge at 10 mm	Reported Value	0	0.218*	0.060*	0.059	0.108*	0.362*	0.141*	0.190							
LTE B2	TOP Edge at 10 min	Ratio to Limit	0	0.136	0.038	0.037	0.068	0.226	0.088	0.190	0.326	0.228	0.363	0.295	0.453	0.315	0.451
LIE B2	Bottom Edge at 10 mm	Reported Value	1.162	0	0	0	0	0	0	0.004							
	Bottom Edge at 10 min	Ratio to Limit	0.726	0	0	0	0	0	0	0.004	0.730	0.730	0.730	0.730	0.730	0.730	0.730
1	Right Edge at 10 mm	Reported Value	0.075	0	0	0	0	0	0	0.388							
1	ment case at 10 mm	Ratio to Limit	0.047	0	0	0	0	0	0	0.388	0.435	0.435	0.435	0.435	0.435	0.435	0.435
1	Left Edge at 10 mm	Reported Value	0.074	0.218	0.060*	0.052	0.108*	0.362*	0.141*	0.260							
1	Leit Luge at 10 mm	Ratio to Limit	0.046	0.136	0.038	0.033	0.068	0.226	0.088	0.260	0.442	0.344	0.479	0.407	0.565	0.427	0.567

1. All surfaces at 2 mm power density values were considered for Hotspot Total Exposure Ratio analysis.

2. For J patch, K patch, L patch, and J dipole antennas, power density results for back side at 2 mm were considered as a more conservative evaluation for 10 mm hotspot.

3. Per FCC guidance, the device edges that are not required to be evaluated for SAR are indicated as 0 for Total Exposure Ratio analysis.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
03/12/2019 - 04/17/2019	Portable Handset			Page 5 of 6
2019 PCTEST Engineering Laboratory	/, Inc.			REV 1.0 03/26/2011

	Anchor Band		LTE Reported 10g SAR W/kg	5 GHz WLAN Ant 1 Reported 10g SAR W/kg	5 GHz WLAN Ant 2 Reported 10g SAR W/kg	5 GHZ WLAN MIMO at 16 dBm Reported 10g SAR W/kg	n260 S	LTE + 5 GHz WLAN Ant1 + n260 S	LTE + 5 GHz WLAN Ant2 + n260 S	LTE + 5 GHz WLAN MIMO at 16 dBm + n260 S
			1	2	3	4	5	1+2+5	1+3+5	1+4+5
	Applicable Limit		4.0	4.0	4.0	4.0	1.0	1.0	1.0	1.0
		Reported Value	1.113	0.174	0.180	0.863*	0.31*			
	Back Side at 7 mm	Ratio to Limit	0.278	0.044	0.045	0.216	0.310	0.632	0.633	0.804
		Reported Value	0.974	1.116	1.387	0.863	0.31			
	Back Side at 0 mm	Ratio to Limit	0.244	0.279	0.347	0.216	0.31	0.833	0.901	0.770
		Reported Value	1.522	1.116*	0.05	0.863*	0.137			
	Front Side at 0 mm	Ratio to Limit	0.381	0.279	0.013	0.216	0.137	0.797	0.531	0.734
		Reported Value	0	0.423	1.387*	0.863*	0.19			
LTE B66	Top Edge at 0 mm	Ratio to Limit	0	0.106	0.347	0.216	0.19	0.296	0.537	0.406
		Reported Value	1.699	0	0	0	0.004			
	Bottom Edge at 0 mm	Ratio to Limit	0.425	0	0	0	0.004	0.429	0.429	0.429
	Disht Education	Reported Value	0.461	0	0	0	0.388			
	Right Edge at 0 mm	Ratio to Limit	0.115	0	0	0	0.388	0.503	0.503	0.503
	Left Education	Reported Value	0.603	1.116*	0.288	0.863*	0.26			
	Left Edge at 0 mm	Ratio to Limit	0.151	0.279	0.072	0.216	0.26	0.690	0.483	0.627
	De el Cide et 7 eres	Reported Value	1.285	0.174	0.180	0.863*	0.31*			
	Back Side at 7 mm	Ratio to Limit	0.321	0.044	0.045	0.216	0.310	0.675	0.676	0.847
		Reported Value	0.976	1.116	1.387	0.863	0.31			
	Back Side at 0 mm	Ratio to Limit	0.244	0.279	0.347	0.216	0.31	0.833	0.901	0.770
	Front Side at 0 mm	Reported Value	1.724	1.116*	0.05	0.863*	0.137			
	Front Side at 0 mm	Ratio to Limit	0.431	0.279	0.013	0.216	0.137	0.847	0.581	0.784
LTE B2	Top Edge at 0 mm	Reported Value	0	0.423	1.387*	0.863*	0.19			
LIE B2	Top Euge at 0 mm	Ratio to Limit	0	0.106	0.347	0.216	0.19	0.296	0.537	0.406
	Bottom Edge at 0 mm	Reported Value	2.33	0	0	0	0.004			
	Bottom Edge at 0 mm	Ratio to Limit	0.583	0	0	0	0.004	0.587	0.587	0.587
	Right Edge at 0 mm	Reported Value	0.667	0	0	0	0.388			
	Right Euge at 0 mm	Ratio to Limit	0.167	0	0	0	0.388	0.555	0.555	0.555
	Loft Edge at 0 mm	Reported Value	0.609	1.116*	0.288	0.863*	0.26			
	Left Edge at 0 mm	Ratio to Limit	0.152	0.279	0.072	0.216	0.26	0.691	0.484	0.628

Table D-8 NR Band n260 Phablet Total Exposure Ratio

1. Per FCC guidance, the device edges that are not required to be evaluated for SAR are indicated as 0 for Total Exposure Ratio analysis.

- 2. Per FCC guidance, the bands/modes that are not required to be evaluated for Phablet SAR are not considered for Total Exposure Ratio analysis.
- 3. For back side at 7 mm, power density results for back side at 2 mm were considered as a more conservative evaluation.
- 4. Per FCC guidance, for power density measurements, a test separation distance of 2 mm was used for phablet configuration due to probe restraints.
- 5. For TER analysis for front at 0 mm and bottom at 0 mm, the highest reported SAR across all test distances was used as the most conservative evaluation for simultaneous transmission analysis for each device edge.

FCC ID: A3LSMG977T		NEAR-FIELD POWER DENSITY EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
03/12/2019 - 04/17/2019	Portable Handset			Page 6 of 6
2019 PCTEST Engineering Laboratory	y, Inc.			REV 1.0 03/26/2011